



Doc. 300.1.2

Date: 31.07.2023

Higher Education Institution's Response

- **Higher Education Institution:**
European University Cyprus
- **Town:** Nicosia, Cyprus
- **Programme of study
Name (Duration, ECTS, Cycle)**

In Greek:

“Βιοϊατρικές Επιστήμες (4 Έτη/240 ECTS, Πτυχίο)”

In English:

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”

- **Language(s) of instruction:** English
- **Programme's status:** Currently Operating
- **Concentrations (if any):**

In Greek: Concentrations

In English: Concentrations



The present document has been prepared within the framework of the authority and competencies of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education, according to the provisions of the “Quality Assurance and Accreditation of Higher Education and the Establishment and Operation of an Agency on Related Matters Laws” of 2015 to 2021 [L.136(I)/2015 – L.132(I)/2021].

A. Guidelines on content and structure of the report

- *The Higher Education Institution (HEI) based on the External Evaluation Committee's (EEC's) evaluation report (Doc.300.1.1 or 300.1.1/1 or 300.1.1/2 or 300.1.1/3 or 300.1.1/4) must justify whether actions have been taken in improving the quality of the programme of study in each assessment area. The answers' documentation should be brief and accurate and supported by the relevant documentation. Referral to annexes should be made only when necessary.*
- *In particular, under each assessment area and by using the 2nd column of each table, the HEI must respond on the following:*
 - *the areas of improvement and recommendations of the EEC*
 - *the conclusions and final remarks noted by the EEC*
- *The institution should respond to the EEC comments, in the designated area next each comment. The comments of the EEC should be copied from the EEC report **without any interference** in the content.*
- *In case of annexes, those should be attached and sent on separate document(s). Each document should be in *.pdf format and named as annex1, annex2, etc.*

1. Study programme and study programme's design and development (ESG 1.1, 1.2, 1.7, 1.8, 1.9)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>1. Despite the dedicated and successful coordination by the current Coordinator, the committee recommends a formal appointment of a co-coordinator to minimize the risk in case the coordinator is not available for some periods of time.</p>	<p>We would like to thank the Committee for taking the time to evaluate the B.Sc. Program of Biomedical Sciences (BMS) and for positively commenting on the program coordinator's work. This suggestion made by the committee for appointing a co-coordinator is excellent and we have therefore appointed Dr. Maria-loanna Christodoulou, Associate Professor of Immunology, as the program's co-coordinator.</p>	<p>Choose level of compliance:</p>
<p>2. Although the study programme remains current and consistent with developments in society and science, the committee believes that further improvements can be made to include modern concepts in biomedicine, including courses on human microbiome and its implications, precision medicine and health, and proactive aging and related regenerative medicine.</p>	<p>We thank the Committee for these suggestions. Indeed, based on these suggestions, we have incorporated the following four (4) courses into the BMS program of study in order to include additional modern concepts that are gaining ground in the biomedical sciences field (please find all new syllabi of the courses below in Appendix I):</p> <ol style="list-style-type: none"> 1) BMS300 Human Microbiome and its Implications in Health and Disease. With this course students will acquire a comprehensive overview of the role of microbiota in human health and disease and a deeper understanding of the current human microbiome research. 2) BMS430 Pathobiology and Precision Medicine. With this course, students will gain solid background in the molecular, and cellular basis of disease pathogenesis with emphasis on the ways in which cells, tissues and organs within the human body respond to injury and stress and in addition to that will get introduced into the next generation approaches in personalized medicine and healthcare research, based on the individual's genomic/transcriptomic/proteomic profile, which aim to provide significant benefits to patients over traditional therapeutic strategies. 	<p>Choose level of compliance:</p>

	<p>3) BMS440 Proactive Aging and Regenerative Medicine. With this course students will get introduced into proactive aging and gain in-depth knowledge of the field of regenerative medicine, from basic biology of stem cells to therapeutic applications giving special emphasis on age-related pathologies.</p> <p>4) BMS340 Drugs and Disease to replace the Molecular Pharmacology course. With this course students will get familiarized with the pathophysiology of a number of common conditions, including heart failure, hypertension, angina, arrhythmias, Parkinson disease, epilepsy, schizophrenia, depression, autoimmune diseases (asthma, rheumatoid arthritis), renal diseases, endocrine diseases, diabetes, osteoporosis and have a broader understanding of the basis and pathophysiology of each of these conditions as well as the therapeutic approaches used.</p>	
<p>3. Following the previous External Evaluation, the Programme has included practical placement for the students of the 7th semester. Although this is a great improvement, the current committee strongly suggests that a placement in laboratories that give opportunities for research will result in further improvement of the curriculum.</p>	<p>This is an excellent suggestion and we have included research institutions/laboratories in our updated list of organizations where practical placement takes place (please see Appendix II). In more specific, we have now added University of Cyprus, Institute of Neurology and Genetics, Embio Diagnostics Biotech Company, Cyprus Cancer Research Institute so that students are given the option to be involved in research-related projects during their placement. Thus, they can follow simple research protocols that are part of a bigger research project and get a glimpse of research practice. In addition, partner organizations such as the State General Laboratory, Pedieos IVF Center, the German Oncology Center and the Karaiskakion Foundation are involved both in diagnostics and research, so students who are interested in research may be given this option as well.</p>	<p>Choose level of compliance:</p>
<p>4. Despite the participation of a number of part-time</p>	<p>We agree with the recommendation made by the EEC, namely that the Visiting Faculty may</p>	<p>Choose level of compliance:</p>

<p>external collaborators mainly for teaching, Visiting Professors of highly recognized academic standards have not been recruited in the programme. Such a recruitment will contribute not only to the teaching but also to the research activities of the programme and will enhance the opportunities of the students and the Faculty. The academic staff has to take advantage of the established collaborations between the EUC and foreign Institutions to identify potential high-level Visiting Professors from the field of Biomedical Sciences.</p>	<p>contribute not only to the teaching but also to the research activities of the programme and will enhance the opportunities of the students and the Faculty. We have thus organized for the following Visiting Faculty to participate in the B.Sc. courses:</p> <ol style="list-style-type: none"> 1) Prof. Ourania Tsitsilonis, Professor of Immunology from the National and Kapodistrian University of Athens, Greece, to give lectures in the Basic Immunology and Clinical Immunology and Haematology courses. 2) Dr. Pavlos Kosteas, Executive Director/Founder at Karaiskakio Foundation and the Center for the Study of Hematological and other Malignancies, to give lectures in the Clinical Immunology and Haematology courses. 3) Prof. Konstantinos Drosatos, Professor of Pharmacology and Systems Physiology, University of Cincinnati College of Medicine, to give lectures in the BMS340 Drugs and Disease course (which will replace the course Molecular Pharmacology; please see new syllabus in Appendix I). 4) Dr. Antonia Vachou, Professor level Research Scientist in Systems Biology, Biomedical Research Foundation, Academy of Athens to give lectures on proteomics and biomarkers in the Systems Biomedicine course. 	
<p>5. Although the last academic year the new enrolments increased and the drop-outs dramatically decreased, the observation that a number of students have been successfully transferred in the School of Medicine in the previous years, according to the internal regulations and policies, rises a thread for the</p>	<p>The EEC has identified a significant issue that the Department and the programme are closely monitoring. We hereby confirm that the number of students that have transferred to the Doctor of Medicine (MD) degree after completing three (3) semesters in the BMS program (as per the respective Internal Regulation), is kept very low (maximum two students per academic year). As such it does not comprise a threat for the long-term sustainability of the programme. The exact number of drop-ins from the BMS programme to the MD degree are as follows:</p>	<p>Choose level of compliance:</p>

<p>long-term sustainability of the programme. The Programme should develop policies such engagement of students in exchange programmes and their involvement in high-level research projects during their placement and Thesis that will contribute to their high appreciation of the significance of their studies in the Biomedical Sciences programme.</p>	<ul style="list-style-type: none"> • 2019-2020: 1 student • 2020-2021: 2 students • 2021-2022: 2 students • 2022-2023: 2 students <p>At the same time, in alignment with the EEC recommendation, the BMS programme promotes its attractive components so that students highly appreciate the significance of their studies in the BMS programme including their participating in Erasmus exchange programs , as well as short-term visits in our collaborators' labs locally and abroad arranged as part of their Undergraduate Thesis II course (for example, Dr. Kosteas, Prof. Drosatos and Prof. Tsitsilonis will occasionally host students in their labs).</p>	
<p>6. The establishment of a well organised alumni society will provide longitudinal information for the career and employment path of the students post-graduation, which is a pivotal quality index for any academic programme.</p>	<p>Regarding the establishment of an alumni society, we confirm that there is an EUC Alumni Society (please see its website here https://alumni.euc.ac.cy/), and that actions have been already taken towards the establishment of a BMS Alumni Society, since the students who established the EUC-BMS Student Society (https://www.facebook.com/EUCBMSS/) are in our current graduates or will graduate next year and have therefore been involved in preparation of a respective alumni society.</p>	

2. Student – centred learning, teaching and assessment (ESG 1.3)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>2.1 Process of teaching and learning and student-centred teaching methodology</p> <p>1. During the interview, the students mentioned that there is an overlap between anatomy and physiology I and II, and suggested to combine these courses. The committee recommends that the course leadership looks into this.</p>	<p>Regarding the overlap between Anatomy and Physiology mentioned by the students, this is indeed the case in the current ongoing program. Based on students' recommendations, in the re-accredited programme of study, we have already changed that into two separate courses (BMS130 Anatomy & Physiology I and BMS200 Anatomy & Physiology II) and made sure to avoid any overlaps. The two new syllabi appear in Appendix IV.</p>	<p>Choose level of compliance:</p>
<p>2. Based on the previous external evaluation the course has been enriched with bioinformatics and systems biology components. However, the committee strongly recommend to strengthen these components with entrance level programming in R and Python, as these programming skills are crucial to deal with the large omics datasets that are increasingly dominating the biomedical research domains. In addition, the committee would like to suggest to include in the programme the following modern concepts in biomedicine: (i) the human microbiome and its implications, (ii) precision medicine and health, and (iii) proactive aging and related regenerative medicine. To</p>	<p>Following the Committee's recommendations and in collaboration with the Computer Science program at EUC and Dr. Vicky Papadopoulou-Lesta, Associate Professor in Algorithms and Complexity, we have modified the syllabi of "BMS320-Bioinformatics" and "BMS405-Systems Biomedicine" courses to include basic introductory lectures on programming in R and Python (please see modified syllabi in Appendix IV). We have highlighted for the convenience of the EEC and CY.Q.A.A. the additions and adjustments made on the respective syllabi with yellow highlights.</p> <p>In the same way, we are in alignment with the Committee's suggestion on including modern concepts in biomedicine in the programme's curriculum. The following three (3) courses have been added to the BMS program curriculum as described above:</p> <p>1) BMS300 Human Microbiome and its Implications in Health and Disease 2) BMS430 Pathobiology and Precision Medicine</p>	

<p>accommodate these concepts, the committee suggests to collaborate with e.g. the School of Medicine and the Department of Computer Science and Engineering.</p>	<p>3) BMS440 Proactive Aging and Regenerative Medicine. Please see the new three syllabi in Appendix I.</p> <p>Please also find the updated curriculum of the programme which demonstrates these changes in Appendix V. We have highlighted for the convenience of the EEC and CY.Q.A.A. the additions and adjustments made on the curriculum with yellow highlights.</p>	
<p>3. During the interview of students the committee was informed that 2 students decided to do their masters somewhere else because there is no M.Sc. course in systems biology and bioinformatics. The committee recommends the course leaders and the University to investigate the opportunity of a jointed master programme between the School of Medicine, Department of Computer Science and Engineering or Life Sciences, to provide for this need.</p>	<p>We thank the Committee for pointing out that there is a need for offering a Bioinformatics postgraduate degree. The Committee's suggestion came in a very timely fashion. Following the procedures described in the EUC internal regulations and procedures for introducing new programs of studies (please see a description and a chart describing the procedure in Appendix VI), we, at the Department of Life Sciences, have initiated the procedure for submitting a proposal for the establishment of a new interdepartmental E-Learning M.Sc. Program in "Bioinformatics and Systems Biomedicine" between the School of Sciences and the School of Medicine. Final decisions regarding this being submitted for accreditation at CY.Q.A.A. will take place during the meeting of the university-wide decision-making Ad-hoc Committee.</p>	
<p>4. One student indicated that she was unsure whether a good placement could be arranged, but during the interview with the course leadership it turned out that this was based on a miscommunication. Therefore, the committee recommends to communicate the procedure for placement better with the students.</p>	<p>As discussed with the EEC during the on-site meeting, this particular student will enter the placement scheme in Spring 2024 (based on the current curriculum) and therefore she hasn't been officially informed about the placement yet as it is quite early. Detailed presentation of all relevant information will be given for these students at the beginning of the coming Fall Semester 2023.</p> <p>Besides this individual case, our overall policy is that students are given details on</p>	

	<p>their placement at the beginning of the semester preceding the semester of their placement. Thus, based on the revised curriculum, students will be informed regarding placement at the beginning of the Spring semester of the 3rd year, while the actual placement will take place in the Fall semester of the 4th year (please see revised curriculum in Appendix V). Several presentations, meetings and discussions on every aspect of the placement take place during the academic year, starting with presentation of the participating organizations, their area of interest/diagnostics/research, the total number of hours they need to spend in the organization and the students' obligations or duties during placement. We also hold regular Q&A sessions for further clarifications.</p>	
<p>5. Finally, the committee recommends to include an introductory course on how to implementation, registration and use of animal models in biomedical research.</p>	<p>Based on the Committee's suggestion lectures on the use of animal models (e.g. <i>Caenorhabditis elegans</i>, <i>Drosophila melanogaster</i>, <i>Mus musculus</i>, <i>Zebra danio</i>), transgenic, and knock-out animals have been included in the learning outcomes and description of the following courses:</p> <ol style="list-style-type: none"> 1) BMS210 Molecular Biology 2) BMS240 Introduction to Genetics 3) BMS225 Biotechnology 4) BMS335 Cancer Biology <p>Please see modifications in the respective syllabi in Appendix IV. We have highlighted for the convenience of the EEC and CY.Q.A.A. the additions and adjustments made on the syllabi with yellow highlights.</p>	
<p>2.2 Practical training 1. The committee recommends to defragment the practical training during the courses so that the students can perform</p>	<p>We are in agreement with the Committee's recommendation regarding practical training and we have now modified the laboratory schedule to fit realistic day-long experiments. For instance, students can now have 5-6 hour-long combined lab sessions on one week to continuously</p>	<p>Choose level of compliance:</p>

<p>realistic day-long experiments.</p>	<p>perform a particular experimental procedure (such as molecular cloning, real-time PCR or western blotting) and they can have a lab-free week right after that.</p>	
<p>2. The committee recommends that the Thesis II research project comprises at least 3 months fulltime lab work.</p>	<p>Following the Committee's suggestion and in aligning with its concern, 4th year students in the newly accredited program will start working in the lab in early January (immediately after their Fall semester final exams and a month earlier to the beginning of the Spring semester classes) and will end their lab-based thesis by the end of the spring semester in late May. Thus, they will have 1 month of lab work without any other courses being taught. Hence, 4th year students can focus on learning the necessary techniques and better understanding their project and will then have 4 additional months of lab work while following regular coursework.</p>	
<p>3. During the interview with the course leaders it became clear that students can chose a literature study for their Thesis II project. The committee strongly recommends against this, because lab training is crucial in biomedical training and cannot be replaced by a literature study. Moreover, literature studies are already part of other courses in the curriculum.</p>	<p>We do understand this and we are grateful to the committee for bringing it up. In the newly accredited program students will no longer be given the option of conducting a literature review for their Thesis II course. They will only have the option to conduct research-based projects and research-based systematic reviews or bioinformatics-based research thesis projects.</p>	
<p>2.3 Student assessment The committee has no specific recommendation concerning student assessment.</p>	<p>We thank the Committee for reviewing and approving the relevant material.</p>	<p>Choose level of compliance:</p>

3. Teaching staff (ESG 1.5)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>3.1 Teaching staff recruitment and development</p> <p>1. A system to follow up and award competence development within the pedagogic field should be considered in order to encourage systematic and continuous improvement of teaching for the students.</p>	<p>We appreciate this suggestion and are actively taking steps towards ensuring that the growth and development of our personnel is internationally recognized. We joined Advance HE as an international member in November 2021. The past academic year (F2022-S2023), the ‘New to Teaching’ Professional Learning Program by Advance HE was incorporated into our continuous professional development (CPD) curriculum.</p> <p>Moreover, a ‘Connect Benefit Series’ of webinars and informational material has become available to all faculty members on our CPD platform, offering guidance on how to benefit from EUC’s membership with Advance HE.</p>	<p>Choose level of compliance:</p>
<p>2. Create incentives to test and implement new pedagogic models in the B.Sc. programme. This also has the potential to lead to scientific publications within the field of pedagogic development in biomedical education.</p>	<p>In addition to taking steps towards embedding our CPD in externally recognized professional frameworks, our staff members complete at least 35 hours of compulsory educational training at the beginning of their employment. This training focuses on contemporary issues in teaching and research in tertiary education, including the use of latest communication technologies for effective teaching and learning. The training period is internally recognized by the award of a certificate, which describes the courses attended/successfully completed by the participant. We are thus committed to enhancing the pedagogical knowledge and skills of our instructors, as we understand that this will ultimately contribute to the overall improvement of the educational experience for our students (please see Appendix VII the</p>	

	<p>2022-23 Annual Faculty Professional Development Program).</p> <p>As demonstrated in the 2022-23 Annual FPDP, a significant Faculty Professional Development topics and aspects refer to the pedagogic development may lead to scientific publications and scientific project applications and funding in competitive procedures (we have highlighted for the convenience of the EEC and CY.Q.A.A. examples of such activities with yellow highlights).</p>	
<p>3.2 Teaching staff number and status</p> <p>1. The Dean of the School and Department Head must work together with the Programme Coordinator to ensure that the University follows the regulations regarding full-time vs. part-time teaching staff. At this point, it appears to this committee that this is not the case for the B.Sc. in Biomedical Science programme. If this is indeed the case, this must be dealt with swiftly and effectively. A suggestion could be to employ a dedicated bioinformatics teacher as this part needs to be expanded to meet the requirements on scientists of the future.</p>	<p>We are committed to conforming to the regulations and student numbers will be closely monitored so that if they continue to rise, new faculty members will be recruited to teach in the program. A bioinformatician will certainly be employed to accommodate the increasing needs in teaching courses in this field of science, upon the successful introduction of a new e-learning M.Sc. program in “Bioinformatics and Systems Biomedicine”, as described in section 2.1.3 above.</p> <p>Please see in Appendix VIII the list of teaching staff (full time or part time) per course in the new curriculum.</p>	<p>Choose level of compliance:</p>
<p>2. Another firm recommendation is to involve teaching staff from other parts of the University, especially from the School of Medicine (for clinical background) and the Department of Computer Science and Engineering (e.g. for</p>	<p>Conforming to the Committee’s recommendations, teaching staff from the Computer Science program has been appointed to give lectures in the BMS320 Bioinformatics and BMS405 Systems Biomedicine courses (Please see revised syllabi in Appendix IV). Specifically, Dr. Vicky Papadopoulou-Lesta from the Computer Science programme has been appointed to give</p>	

<p>bioinformatics, programming, Excel skills etc) to broaden the scope covered by the teachers' team.</p>	<p>lectures in the "Bioinformatics" and "Systems Biomedicine" courses.</p> <p>In addition, teaching staff from the School of Medicine are now more actively involved in the Biomedical Sciences Program. Specifically:</p> <ol style="list-style-type: none"> 1) Dr. Iacovos Nomikos (teaching Surgery in the School of Medicine) is teaching Anatomy in the Biomedical Sciences Program 2) Prof. Elpida-Niki Emmanouil Nikoloussi is teaching Developmental Biology and Embryology in both programs. 3) Dr. Stephanos Christodoulides (teaching Biochemistry in the School of Medicine) is teaching Clinical Chemistry in the Biomedical Sciences Program. 4) Dr. Sophia Themistocleous is teaching Histology in both programs. <p>In addition, the following faculty members from the School of Medicine will be providing lectures to the Biomedical Sciences students to enrich the program's material and give a more medical perspective, as per the EEC's recommendation. Specifically:</p> <ol style="list-style-type: none"> 1) Dr. Ilias Nikas (Assistant Professor of Pathology, School of Medicine), will offer lectures in the BMS430 Pathobiology course. 2) Dr. Iva Tzvetanova (Assistant Professor in Pharmacology, School of Medicine), will offer lectures in the BMS340 "Drugs and Disease" course. 	
<p>3.3 Synergies of teaching and research</p> <p>1. Teaching skills and pedagogic merits should be as important as research when it comes to promotions and annual reviews. Staff reads about</p>	<p>Teaching skills and pedagogic merits are indeed taken into account when it comes to promotions and appraisals and evaluations, as there are specific criteria regarding teaching indicated in the EUC Charter. In more specific, there is in place a clear, transparent promotion process as indicated in the</p>	<p>Choose level of compliance:</p>

<p>this in documents but do not experience it in reality.</p>	<p>University Charter (please see Faculty Promotion section, pp. 74-79. in the EUC Charter).</p> <p>In addition, as discussed during the EEC's on-site visit, there is also in place a Performance Appraisal policy for all Faculty (please find the relevant Internal Regulation in Appendix IX). Even though these two processes are distinct, for Faculty promotion, the Performance Appraisal is one of the most significant data sources evaluated by promotion committees for their decision on the promotion of a Faculty applicant. The Performance Appraisal information for the years between the previous promotion of the Faculty member and the one in evaluation is taken into consideration for the respective promotion criteria as follows:</p> <ul style="list-style-type: none"> - Positive and substantial evidence of high competency in teaching - Research and scholarly publications or recognized creative work in the individual's field - Evidence of service to the University and Community in general <p>This provides a clear and transparent link between the two procedures, aiming at the enhancement of staff performance and align it with the promotion process. The expectation and standards for promotion are clearly communicated to all staff members, thus ensuring that staff are aware of the factors considered during evaluations and understand what is required for career advancement.</p>	
<p>2. Now that the publication numbers appear to be increasing for the University it is time to turn</p>	<p>We are in full agreement with the committee's rationale and we as well aim at improving the quality of our research work in the field. In fact, this</p>	

<p>the focus from quantity to the quality/impact/citations of the studies published by the teaching staff. This will be in line with changing recommendations in the ranking systems of the future. The committee strongly believe it to be important for the credibility of the B.Sc. programme that the teaching staff continues to improve the level at which they perform competitive research in the field of biomedical science.</p>	<p>has been and will be a continuous effort. We hence, publish and aim at enhancing our publications in high impact factor journals and this information is used by the Research Office in awarding points in the Teaching Hour Reduction scheme.</p> <p>In fact, EUC provides continuous support for staff development with regard to research. As per our Internal Regulation on Research Policy which has been recently updated (please see Appendix X; <i>EUC's Internal Regulation on Research Policy; pages 24-25</i>), University Research Funds are used to finance non-economic research activities such as:</p> <ol style="list-style-type: none"> i. Participation of academic researchers in conferences, seminars. ii. The administration costs associated with providing support services to academic researchers. iii. Organization of training seminars for the faculty and research personnel of the University; provided that they will help/assist and/or facilitate researchers to enhance and further develop their knowledge in subjects related to their research fields and help them design and implement research projects. iv. Purchase of software, hardware and equipment that are needed by faculty and research personnel for research projects. v. The funding for the University's Internal Research Awards vi. The funding of Ph.D. scholarships vii. Development of Infrastructure related to the research activity of the University. viii. Funding of the activities of the Research Office of the University 	
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	<p>ix. Open Access Publication Fees x. Any other activities pertaining to the wide dissemination of research-generated outputs.</p> <p>Moreover, EUC provides the staff the opportunity for a grant through the Annual Awards for Excellence in Research. In particular, the Annual Awards for Excellence in Research are launched by the Senate Research Committee and are awarded to EUC faculty in order to pursue research and other creative work. They provide support for exploratory research projects, which might result in proposals submitted for external funding or creative work that is likely to enhance the recognition of the faculty and research personnel and the University at large. The awards prize may be used for funding travel, equipment, supplies, Ph.D. student assistants' scholarships, student assistants, research assistants, and other expenses (for further information, please see Appendix X; <i>Internal Regulation on EUC's Annual Awards for Excellence in Research</i>).</p> <p>The University also supports research activity of members of staff by awarding them Teaching Hours Reduction (THR) in order to further enhance their engagement with research. A THR may be awarded if the member of the staff fulfills the conditions in one or more of the three schemes outlined below (please see Appendix X; <i>EUC's Internal Regulation on Research Policy; pages 26-28</i>):</p> <ol style="list-style-type: none"> i. Award of a THR for participation in research projects: Staff members are eligible to apply for a THR when conducting funded research. ii. Award of a THR for writing a book: A three-hour teaching reduction per semester is awarded for the purpose of writing a book 	
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	<p>upon submission of a publishing contract by a reputable publisher.</p> <p>iii. Award of a THR by accumulation of points: A third scheme for the award of a THR takes into account the research activity of members of staff and the points they accumulate according to their research activity.</p>	
<p>3. The formal role of Deputy Programme Coordinator should be re-introduced to decrease the risk for the programme when key personnel divide their time between research, teaching and course administration (this point also applies to the two above headings 3.1 and 3.2).</p>	<p>As mentioned above (item 1.1) Dr. Maria-loanna Christodoulou, Associate Professor, has been appointed the program's co-coordinator/Deputy programme coordinator. The co-coordinator of the programme will be informed on all student and/or faculty related issues and will be fully involved in decision making so that she can take over the coordinator's responsibilities whenever that is needed.</p>	

4. Student admission, progression, recognition and certification (ESG 1.4)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>1. Although it was not a general a consensus among the students who were interviewed, the committee recommends that the course leadership may consider more coordination or even integration between the courses on anatomy and physiology I and II, since it appears to be considerable overlap.</p>	<p>We have addressed this recommendation above in item 2.1.1. This change has been incorporated in the list of courses submitted to CY.Q.A.A. via the 200.1 document that the EEC committee evaluated. In the modified re-accredited version of the program that has been submitted for accreditation Anatomy and Physiology are offered as one course (Anatomy & Physiology I & II).</p>	<p>Choose level of compliance:</p>
<p>2. Despite the very good communication between teachers and students, there was some uncertainties about the placement and electives, that could be easily been solved with proactive or more efficient communications on these matters.</p>	<p>Please see our response to this above in item 2.1.4.</p>	
<p>3. Concerns were raised by the students regarding the demanding or “overwhelming” curriculum of clinical immunology, prompting the suggestion for a foundational course. Furthermore, students emphasized the importance of introducing programming as a vital skill for those interested in bioinformatics.</p>	<p>This observation is indeed true and had been communicated to us by the students that is why we have included the courses BMS315 “Basic Immunology” and BMS330 “Clinical Immunology and Haematology” in the revised curriculum that was submitted for accreditation to the CY.Q.A.A.</p> <p>Regarding programming, as mentioned in item 2.1.2 above, relevant lectures have been added in the courses BMS320 “Bioinformatics” and BMS405 “Systems Biomedicine” courses (please see revised syllabi in Appendix IV).</p>	<p>Choose level of compliance:</p>

<p>4. Another issue that emerged was help with the use of Excel in the first year to optimize its application during the whole programme, e.g. during academic skills training.</p>	<p>This is an excellent comment and we have thus incorporated lectures related to the use of Excel in the courses HLS100 “Academic Skills” and BMS115 “Laboratory Calculations in Biomedical Sciences” (please see revised syllabi in Appendix IV). We have highlighted for the convenience of the EEC and CY.Q.A.A. the additions and adjustments made on the respective syllabi with yellow highlights.</p>	<p>Choose level of compliance:</p>
<p>5. The committee thinks that lab experience is vital in a programme like this. However, it is apparently possible to do a non-lab based Thesis II project. The committee strongly recommends to abandon this and make lab-based research obligatory, since literature review is already a part of many of the other courses. This recommendation is in line with the course purpose and objectives in the Thesis II syllabus, which really does not appear to allow for a literature-only Thesis II project. This would also abolish the discrepancy between the course purpose and objectives and learning outcomes described in the syllabus. In addition, the actual time in the lab seems insufficient. The Department indicated that the research project covers 4 months of practical work in the laboratory, but the students indicated that this is considerably shorter in reality. In fact, both Thesis I and II run in parallel with 4</p>	<p>Please see our response to this above in item 2.2.2 above.</p>	<p>Choose level of compliance:</p>

<p>other courses per semester with equal ECTS values, with further reduces the substantial research project.</p>		
<p>6. A number of students emphasized the importance of possibility to perform a introducing programming as a vital skill for those interested in bioinformatics. The committee strongly recommends to strengthen the bioinformatics course by including entrance level programming in R and Python. In addition, we would suggest to include modern concepts in biomedicine, including the human microbiome and its implications, precision medicine and health, and proactive aging and related regenerative medicine. This provides ample opportunities for deeper interactions with e.g. the School of Medicine and the Department of Computer Sciences and Engineering. The committee also noted a relative absence of an introduction to the use of animal models in biomedical research.</p>	<p>All these comments are valid and have been addressed above (please see our response in sections 2.1, 3.2 and modifications in the modified syllabi found in Appendix IV).</p>	<p>Choose level of compliance:</p>

5. Learning resources and student support
(ESG 1.6)

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>5.1 Teaching and Learning resources</p> <p>1. The committee recommends to apply a more systematic implementation and evaluation of modern pedagogic teaching forms by the staff.</p>	<p>Academic staff of the Departments and Schools have extensive experience of instruction in tertiary education and research in their fields of study. All instructors receive ongoing professional development and training in e-learning, particularly in the use of communication technologies for teaching and learning.</p> <p>The University has established a rich Professional Development Programme under the C.I.Q.A Committee for Professional Development which comes under the Office of the Vice Rector of Academic Affairs. The Professional Development Programme is available to new and existing staff, both full-time and part-time faculty, and consists of a compulsory component on e-learning and other issues relating to teaching and e-learning in particular. The optional component is ongoing for all members of staff, part time and full time, via dedicated blackboard platform with available resources which are regularly updated and include webinars and materials on the latest developments affecting e-learning such as for example, the use of AI and Chat GPT for education.</p> <p>The Committee has an annual system of receiving the suggestions by colleagues on the topics they would like to receive bespoke training on, such as for example, teaching of foreign languages via e-learning. Training at School level is also available to cater to the needs of more discipline specific exchange of good practices such as for example use of tools for teaching literary texts via e-learning.</p>	<p>Choose level of compliance:</p>

<p>2. An important strength is the ease with which students can contact and interact with the teaching staff. This should be cherished and maintained when student numbers are increasing.</p>	<p>We thank the EEC for its observation. Being fully aware of this, we are thus closely monitoring the number of students and are ready to hire new faculty when needed.</p>	
<p>5.2 Physical resources There should be sufficient bench fees available for the students to perform at least 3 months of full-time practical research during their Thesis II research project. This is currently not always the case.</p>	<p>We thank the Committee for this particular comment. Based on their recommendation the amount of €1500 (3 x €500 per student performing Thesis II lab-based research project for the duration of 3 months) will be introduced into next year's program's and School's budget.</p>	<p>Choose level of compliance:</p>
<p>5.3 Human support resources The human support resources appear to be excellent and the committee has no specific recommendations.</p>	<p>We thank the Committee for this positive assessment.</p>	<p>Choose level of compliance:</p>
<p>5.4 Student support The student support appears to be excellent and the committee has no specific recommendations.</p>	<p>We thank the Committee for this positive assessment.</p>	<p>Choose level of compliance:</p>



6. Additional for doctoral programmes (ALL ESG)

N/A

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
Click or tap here to enter text.	Click or tap here to enter text.	Choose level of compliance:



7. Eligibility (Joint programme) (ALL ESG)

N/A

Areas of improvement and recommendations by EEC	Actions Taken by the Institution	For Official Use ONLY
Click or tap here to enter text.	Click or tap here to enter text.	Choose level of compliance:

B. Conclusions and final remarks

Conclusions and final remarks by EEC	Actions Taken by the Institution	For Official Use ONLY
<p>1. Based on the written and orally presented material, the external evaluation committee is of the opinion that the B.Sc. in Biomedical Science programme is generally of good quality, and that the responsible team has made considerable improvement since the previous external evaluation in 2016.</p>	<p>We thank the Committee for the overall evaluation of the Biomedical Sciences program.</p>	<p>Choose level of compliance:</p>
<p>2. Focus on intertwined research-based teaching The most valuable asset for the programme, apart from the students themselves, is the very enthusiastic, engaged and competent teacher group who also devote themselves to research in parallel to their teaching assignments. This is crucially important to form the basis for a research-based education. This particularly applies to a programme of this type, and the overall goal of the programme (according to slide 14 in the oral presentation by the programme coordinator) is to form the students into scientists of the future.</p> <p>Until now, most of the research output, with some exceptions, has had a focus on quantity (number of publications) rather than quality (impact, citations etc). The committee feels that the timing is now right for the faculty and the Department as such to change this, in line with the changes that are about to happen in ranking systems worldwide. Incentives to publish better, not necessarily more, need to come from the management team at</p>	<p>Regarding the quality of research output, EUC has taken several steps and has introduced a number of policies to enhance the research efforts made by faculty members. Please see our response to this in item 3.3.3.2 above.</p>	

<p>University, School and/or Department level.</p> <p>The Department has chosen to focus on cancer biology and we think, given the number of staff available, that this is mostly a strength since it stimulates collaborations, sharing of knowledge and resources as well as increases the competitive edge of the environment.</p>		
<p>3. Strengthen student supervision and support. The frequency of student feedback on the lectures is very high, and the students are very positive about the lectures and teachers in general. There is close contact between the students and the teachers, which is facilitated by the good staff:student ratio. We noted that this has resulted in long-term professional relationships through which students continue to M.Sc. programmes, thanks to the bonds formed between project/supervisor and students.</p> <p>There were some issues in the beginning about the elective courses because of the low student numbers. This has now been solved by letting them select courses provided by other parts of the University.</p> <p>The future plans of the University appear to be an expansion of student numbers for this and other programmes and specifically to attract more foreign students. This can pose risks, both to the interaction frequency and quality between students and staff, and the potentially decreasing time that the staff can dedicate to their research.</p>	<p>We thank the committee for their positive evaluation. The quality of the Programme and the student-faculty relationship is closely monitored and we intend to maintain and further enhance this successful interaction between our faculty and our students.</p>	<p>Choose level of compliance:</p>

4. Finally, despite the fact there is a very good communication between teachers and students, there were some uncertainties about the placements and electives. This can easily be solved with proactive information on these matters.	As far as the issue of students' placement is concerned, please see our response to this above in item 2.1.4.	
5. Future-proof the programme content Based on the previous external evaluation the course leadership has enriched the course with bioinformatics and systems biology parts. We would however strongly recommend further strengthening the bioinformatics course by including entrance level programming in R and Python. In addition, we would suggest to include modern concepts in biomedicine, such as the human microbiome and its implications, precision medicine and health, as well as proactive aging and related regenerative medicine approaches. This will provide ample opportunities for deeper interactions with e.g. the School of Medicine and the Department of Computer Science and Engineering. The committee also noted a relative absence of an overview and introduction to the use of animal models in biomedical research, which should be included.	We fully agree with all the suggestions made by the Committee and have proceeded with their implementation, as explained in detail in sections 2.1 and 3.2 above.	Choose level of compliance:
6. Related to this, there is currently no possibility to perform M.Sc. studies in bioinformatics/systems biology at this University, which in fact resulted in the loss of 2 out of the 9 students we met. They had to move	Regarding the issue of introduction of a new M.Sc. programme of studies in Bioinformatics and Systems Biomedicine, please see our response to this above in item 2.1.3 and Appendix VI.	

<p>elsewhere to perform their M.Sc. studies in the topic of their choice/interest, whereas they would have preferred to stay. A third student left to follow a M.Sc. programme in precision medicine elsewhere. These examples are likely to constitute only a tip of the iceberg. This raises again the question whether joint master programmes could be set up between the School of Medicine and other Departments in the School of Sciences, to cater to these students as their numbers may well increase over time.</p>		
<p>7. Although there was not a consensus among the students that were interviewed, the committee recommends that the programme leadership considers more coordination or even integration between the courses on anatomy and physiology I and II, since there appears to be considerable overlap.</p>	<p>As far as the issue of a combined Anatomy & Physiology course, please see our response to this in item 2.1.1 and 4.1 above.</p>	
<p>8. Another issue that emerged was help with the use of Excel in the first year to optimize its application during the whole programme. This can be implemented e.g. during the academic skills training.</p>	<p>Regarding the introduction of lectures on “Basic use of Excel” please see our response in section 4.4 above</p>	
<p>9. Secure teacher positions and pedagogic development Considering the official regulations, the fraction of permanent staff must increase. This could be facilitated by sharing staff with other Departments and Schools within the University or by utilizing the services of Visiting Professors of high standard and with niche expertise that will benefit the students and the whole environment.</p>	<p>As regards to assigning lectures in the revised Biomedical Sciences curriculum to visiting faculty and faculty from other departments of the University, please see our response in items 1.4, 2.1.2 and 3.2.</p>	<p>Choose level of compliance:</p>

<p>10. It may also be time to invest in a full-time position in bioinformatics or similar topic. This would also benefit future <i>in-silico</i> support to experimental <i>in-vitro</i> and <i>in-vivo</i> research.</p>	<p>As far as full-time position in bioinformatics is concerned, please see our response to this in item 3.2.1</p>	
<p>11. The success of the programme relies strongly on the presence of a well-functioning programme coordinator (which is currently the case). Since formally there is nobody second in command right now, this poses a risk to the programme in case the coordinator would not be available for extended periods of time. Therefore, we recommend the formal appointment of a co-/deputy-/vice-coordinator of the programme.</p>	<p>As for the assignment of a co-coordinator, please see our response to this in items 1.1 and 3.3.3 above.</p>	
<p>12. We recommend to interact much closer with the School of Medicine (and to some degree also the Department of Computer Science and Engineering in the School of Sciences), both for teaching and teacher exchange, but also for research infrastructure and dual supervision of projects. This has the potential to foster joint interdisciplinary research.</p>	<p>Regarding closer interaction with the School of Medicine and the Computer Science Program, please see our response in items 2.1.2, 3.2.2, 4.3 and 4.6 above.</p>	
<p>13. Even though we noted that flipped class room, team-based learning and integrated teaching approaches have been tested by individual enthusiastic teachers, a continuous and more systematic development of newer pedagogic models used in the courses should be encouraged by the course leadership.</p>	<p>As for systematic development of newer pedagogic models, please see our response to this in items 3.1 and 5.1 above.</p>	
<p>14. Increase the practical aspects of becoming a scientist. A key goal of the programme is to provide society with the scientists of the future. This requires strong education in</p>	<p>As regards to practical aspects of courses, please see our response in item 2.2.1, and 2.2.2 above.</p>	<p>Choose level of compliance:</p>

<p>different kinds of laboratory skills. Considering this, we would like to recommend the following:</p> <p>Make sure that practical courses are not split in (too short) 2-3 hour blocks but are combined into full days so that students can complete experiments as performed normally in real life. This will develop their trouble-shooting skills and simply make them better scientists.</p>		
<p>15. The committee thinks that lab experience is vital in a programme like this. However, it is apparently possible to do a non-lab-based Thesis II project. The committee strongly recommends to abandon this practice and make lab-based research obligatory, since literature review is already a part of many of the other courses. This recommendation is in line with the course purpose and objectives in the Thesis II syllabus, which really does not appear to allow for a literature-only Thesis II project. This would also abolish the discrepancy between the course purpose and objectives and learning outcomes described in the syllabus.</p>	<p>Regarding Undergraduate Thesis II project, please see our response in item 2.2.3 above.</p>	
<p>16. In addition, the actual time in the lab seems insufficient. The Department indicated that the research project covers 4 months of practical work in the laboratory, but the students indicated that this is considerably shorter in reality. In fact, both Thesis I and II run in parallel with four other courses per semester with equal ECTS values, which further reduces the possibility to perform a substantial, thought-provoking and potentially even competitive research project.</p>	<p>As for the time spent in the lab during Thesis II, please see our response in item 2.2.2 above.</p>	

<p>17. Finally, the current funding is around 500 euros per student for the whole thesis research project. Based on their own experiences, the committee members feel that this is insufficient. In fact, there were some students who reported having been restricted in their experimental work due to a lack of fund for materials. A rule of thumb for modern biomedical science laboratory work is 500 euros per researcher per month. A doubling of the bench fee seems reasonable and financially doable considering the number of students. We also noted that this is also a problem for the master research projects, where students receive only 600 euros for their total bench fee costs.</p> <p>Although the M.Sc. programme is beyond the scope of this evaluation, the committee deems it necessary to increase the bench fee to allow the students to be able to perform competitive biomedical research as part of the thesis work.</p> <p>The above suggestions to improve the hands-on experience and the research projects performed, has the potential to attract and retain students in the programme.</p>	<p>Regarding the funding of undergraduate thesis projects, please see our response in item 5.2 above.</p>	
<p>In summary, the B.Sc. in biomedical science programme has developed into an appreciated programme with increasing student cohorts and a very dedicated teacher team who stay in close contact with the student throughout the four years of study. The external evaluation committee see many strengths and examples of good practice in this programme. The implementation of the above recommendation will secure its validity when student cohorts become larger</p>	<p>We sincerely thank the EEC for the positive feedback and its constructive recommendations. We found the EEC's candid discussions a constructive learning process as we were provided with critical input on moving forward effectively.</p> <p>We have thoroughly reviewed the findings, strengths, and areas of improvement indicated by the EEC following its review and addressed all comments in full. By embracing the</p>	



<p>and more internationally diverse. In this way, the programme can be future-proofed and stay relevant, thereby enabling that the highly set goal to provide society with tomorrow's scientists is fully achieved.</p>	<p>EEC's comments and suggestions, we are convinced that our program will effectively ensure its students' learning outcomes.</p> <p>In closing, we are grateful to the EEC for their suggestions and insightful comments with regard to the program of Biomedical Sciences.</p>	
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C. Higher Education Institution academic representatives

<i>Name</i>	<i>Position</i>	<i>Signature</i>
Dr. Vasiliki Gkretsi	Program Coordinator	<u><i>Vasiliki Gkretsi</i></u> Vasiliki Gkretsi (Jul 31, 2023 12:11 GMT+3)
Dr. Anastasios Theodorou	Chairperson, Department of Life Sciences	<u><i>Anastasios A. Theodorou</i></u> Anastasios A. Theodorou (Jul 31, 2023 12:14 GMT+3)
Prof. Panagiotis Papageorgis	Dean, School of Sciences	<u><i>Panagiotis Papageorgis</i></u> Panagiotis Papageorgis (Jul 31, 2023 11:39 GMT+3)

Date: 31.7.2023

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”

<u>A/A</u>	<u>COURSE CODE DESCRIPTION</u>		<u>PAGE</u>
1.	BMS300	Human Microbiome and its Implications in Health and Disease	2
2.	BMS340	Drugs and Disease	4
3.	BMS430	Pathobiology and Precision Medicine	6
4.	BMS440	Proactive aging and regenerative medicine	8

Course Title	Human Microbiome and its Implications in Health and Disease				
Course Code	BMS300				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 5 th Semester				
Teacher's Name	Dr. Antonia Sophocleous				
ECTS	6	Lectures / week	3 Hours/14 weeks	Laboratories / week	None
Course Purpose and Objectives	The main objective of the 'Human microbiome and its implications in health and disease' course is to provide a comprehensive overview of the role of microbiota in human health and a deeper understanding of the current human microbiome research.				
Learning Outcomes	<p>Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Describe the endosymbiotic theory of life; holobionts and their hologenome; holobionts vs. superorganisms • Articulate a deeper understanding of the concept of humans as an ecological community consisting of host cells, bacteria, archaea, and viruses, fungi and protists • Explain how human microbial variation has essential roles for human health and physiology including digestion and immunity Explain how dysbiosis of commensal microbiota is associated with the pathogenesis of several diseases • Learn the historical and current state of human microbiome research and the potential of the microbiome to prevent and treat diseases. • Describe the main approaches used in studying the microbiome 				
Prerequisites	BMS135	Co-requisites	BMS305		
Course Content	<p>Description:</p> <ul style="list-style-type: none"> • Microbiome definition and overview • Endosymbiotic theory • Holobionts vs. superorganisms • The Human Microbiome Project • Beginning and maturing of human microbiome: pregnancy, birth, infancy and old age - The hygiene hypothesis • Diversity of the Human Microbiome (oral, gut, skin, lung and urogenital) • The Gut Microbiota in Health and Disease • Microbiota changes associated with diseased states (dysbiosis) • Effects on digestion 				

	<ul style="list-style-type: none"> • Effects on immunity • Techniques used to analyze microbiome data • Manipulating the indigenous microbiota in humans: prebiotics, probiotics and synbiotics • Microbiome research: a tool for new opportunities for diagnosis, prognosis, and treatment of a variety of human diseases. 								
Teaching Methodology	Face- to- face								
Bibliography	<p>The Human Microbiota and Microbiome (Advances in Molecular and Cellular Microbiology), 1st Edition, by Julian K. Marchesi. CABI publishing (2014)</p> <p>Human Microbiome: Clinical Implications and Therapeutic Interventions, 1st Edition, by Sabo Thomas. Springer (2022)</p> <p>The Human Microbiome Handbook Hardcover, by Jason Tetro, Emma Allen-Vercoe, Sydney M. Finegold. DEStech Publications Inc (2016)</p> <p>Selected scientific articles in pdf format that will be provided in advance by the lecturer</p>								
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>70%</td> </tr> <tr> <td>Assignments</td> <td>20%</td> </tr> <tr> <td>Class participation & Attendance</td> <td>10%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Examinations	70%	Assignments	20%	Class participation & Attendance	10%		100%
Examinations	70%								
Assignments	20%								
Class participation & Attendance	10%								
	100%								
Language	English								

Course Title	Drugs and Disease				
Course Code	BMS340				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 6 th Semester				
Teacher's Name	Dr. Christiana Neophytou, Konstantinos Drosatos & Iva Tzvetanova				
ECTS	6	Lectures / week	3 Hours/14 weeks	Laboratories / week	None
Course Purpose and Objectives	The main objective of the course is to familiarize students with the pathophysiology of a number of common conditions, including Autonomic and Central nervous diseases and accompanied complications. Specifically diseases to be studied will include heart failure, hypertension, angina, arrhythmias, Parkinson disease, epilepsy, schizophrenia, depression, autoimmune diseases (asthma, rheumatoid arthritis), renal diseases, endocrine diseases, diabetes, osteoporosis etc and understand the basis and pathophysiology of each of these conditions as well as the main therapeutic approaches.				
Learning Outcomes	<p>Upon successful completion of the course, students should be able to:</p> <ul style="list-style-type: none"> • describe the pathophysiological basis of common disease conditions at the molecular, cellular and organ level • describe the pathophysiology of Autonomic, Central Nervous diseases, Autoimmune and endocrine diseases • describe the physiological function of cells and organs, and the main changes that result in disease conditions/states described • recall the pharmacological intervention based on the pathophysiology of the disease • explain and understand the pharmacological basis of therapeutics for common conditions • discuss a disease state, critically evaluate the condition and understand the rationale behind a prescribed pharmacotherapy. 				
Prerequisites	None	Co-requisites	None		
Course Content	<p>Description:</p> <ul style="list-style-type: none"> • role of a number of receptors including adrenergic, dopaminergic, or other relevant receptors, ion channels (Ca⁺, 				

	<p>Na+, K+, Cl-) on the normal physiology and homeostasis of organs in each case</p> <ul style="list-style-type: none"> • appropriate drug therapy will be suggested and considered, and each drug therapy will be discussed from the perspective of altering the pathophysiology to treat or alleviate the symptoms for each disease. • each drug will be examined at the level of modulating receptors or enzymes (inhibiting or activating) that result in therapeutic response. • the rationale behind the proper use of drugs will be examined for each disease, aiming at a better understanding of how each drug modulates the cell-organ physiology to bring about a therapeutic effect. 								
Teaching Methodology	Face- to- face								
Bibliography	Principles of Pharmacology: The pathophysiological Basis of Drug Therapy. David E. Golan <i>et al.</i> , <i>Latest edition</i>								
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>70%</td> </tr> <tr> <td>Assignments</td> <td>20%</td> </tr> <tr> <td>Class participation & Attendance</td> <td>10%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Examinations	70%	Assignments	20%	Class participation & Attendance	10%		100%
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Class participation & Attendance	10%								
	100%								
Language	English								

Course Title	Pathobiology and Precision Medicine				
Course Code	BMS430				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	4 th Year / 8 th Semester				
Teacher's Name	Dr. Maria-Ioanna Christodoulou, Dr. Vasiliki Gkretsi & Ilias Nikas				
ECTS	6	Lectures / week	3 Hours/14 weeks	Laboratories / week	None
Course Purpose and Objectives	<p>The Pathobiology and Precision Medicine course aims to:</p> <ul style="list-style-type: none"> • provide a solid background in the molecular, and cellular basis of disease pathogenesis with emphasis on the ways in which cells, tissues and organs within the human body respond to injury and stress. • introduce the next generation approaches in personalized medicine and healthcare research, based on the individual's genomic/transcriptomic/proteomic profile, which aim to provide significant benefits to patients over traditional therapeutic strategies. 				
Learning Outcomes	<p>Upon completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • explain the way in which cells, tissues and organs within the human body respond to injury that may lead to disease, as well as main repair mechanisms • differentiate between apoptosis and necrosis • describe characteristics of acute and chronic inflammation • recall major characteristics, at the molecular and cellular level, of the pathogenesis of common human diseases such as atherosclerosis, aneurysms, diabetes, environmental and nutritional diseases. • recognize the basic principles for applying data from human genome to medicine • describe the major -omics technologies currently used in personalized medicine • discuss the use of next-generation sequencing for developing personalized anti-cancer therapeutic approaches • describe how genomics (i.e. DNA sequencing, SNP and mutation identification), transcriptomics (i.e bulk, single-cell RNA-sequencing and spatial transcriptomics) and proteomics (i.e. mass spectrometry) can be applied for precision medicine. 				
Prerequisites	BMS135		Co-requisites	None	
Course Content	Description:				

	<ul style="list-style-type: none"> Cellular responses to stress and toxic insults: adaptation, injury, and death. Mechanisms of cell injury (mitochondrial damage, oxidative stress, defects in membrane permeability, damage to DNA and proteins) Necrosis (ischemic and hypoxic injury, ischemic reperfusion injury, toxic injury) and apoptosis- causes, mechanisms and examples Acute and chronic inflammation and repair Cell and tissue regeneration. Role of extracellular matrix in tissue repair-scar formation Examples of specific disease pathogenesis (atherosclerosis, aneurysms, diabetes, environmental and nutritional diseases) Principles for applying human genome information to clinical practice, therapy and human health Basic technologies for developing personalized medicine Genomics and precision medicine Transcriptomics and precision medicine Quantitative proteomics in personalized medicine Big Data and translational bioinformatics in precision and medicine Current targeted therapies for major human diseases Ethical social, regulatory and financial considerations for personalized medicine 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Robbins and Cotran, Pathologic Basis of Disease, Kumar, Abbas, Fausto, Elsevier, Saunders (latest edition).</p> <p>Genomic and Precision Medicine (Foundations, Translation and Implementation), by Geoffrey Ginsburg and Huntington Willard, Elsevier, (latest edition).</p> <p>Textbook of Personalized Medicine, by KK Jain, Springer, ISBN: 978-1441907684, (latest edition).</p> <p>The ethics of personalized medicine – critical perspectives, by Jochen Vollmann (Author), Verena Sandow (Author), Jan Schildmann (Author), Routledge, (latest edition).</p>								
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Assignments	20%								
Class participation & Attendance	10%								
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Language	English								

Course Title	Proactive aging and regenerative medicine				
Course Code	BMS440				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	4 th Year / 8 th Semester				
Teacher's Name	Dr. Styliani Michael				
ECTS	6	Lectures / week	3 Hours/14 weeks	Laboratories / week	None
Course Purpose and Objectives	The main objective of the course is to provide insights into proactive aging as well as an in-depth knowledge of the field of regenerative medicine, from basic biology of stem cells to therapeutic applications giving special emphasis on age-related pathologies.				
Learning Outcomes	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • define proactive aging and its basic stages • discuss societal challenges related to proactive aging • describe different types of stem cells and their specific characteristics • describe methods of applications to replace damaged or destroyed cells including tissue engineering • account for regenerative medicine applications to human diseases related to aging • evaluate current methods within the research field, their practical execution and application 				
Prerequisites	BMS135	Co-requisites	None		
Course Content	<p>Description:</p> <ul style="list-style-type: none"> • proactive aging and its basic stages • societal challenges related to proactive aging • current knowledge, future potential use and development of regenerative medicine • different kinds of stem cells (pluripotent stem cells, human embryonic stem cells, induced-pluripotent stem cells, neural stem cells, hematopoietic stem cells, mesenchymal stem cells, cord blood hematopoietic stem cells) • tissue engineering and their applications in accelerating the healing process to restore injured or damaged tissues and organs • basic stem cell biology as well as cellular programming and reprogramming 				

	<ul style="list-style-type: none"> • clinical applications of stem cell therapies on age-related diseases, such as e.g. Parkinson's, Alzheimer's, diabetes and cancer • stem cells gene therapy • biobanking of stem cells • ethical considerations in regenerative medicine 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Essentials of Stem Cell Biology, Robert Lanza and Anthony Atala, <i>Latest edition</i>.</p> <p>Principles of Regenerative Medicine, Anthony Atala, Robert Lanza, James Thomson, and Robert Nerem, Academic Press, <i>Latest edition</i>.</p>								
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>70%</td> </tr> <tr> <td>Assignments</td> <td>20%</td> </tr> <tr> <td>Class participation & Attendance</td> <td>10%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Examinations	70%	Assignments	20%	Class participation & Attendance	10%		100%
Examinations	70%								
Assignments	20%								
Class participation & Attendance	10%								
	100%								
Language	English								

List of organizations for placement of Biomedical Sciences students

Organization	Type of work (Diagnostics, pharmaceutical company, Research or education)	Region
Clinical Laboratories of Maria & Athinoula Neou	Diagnostics	Famagusta
PANKEMI LAB	Diagnostics	Larnaca
Giannouka's Laboratory	Diagnostics	Nicosia
Aretaeio Hospital	Diagnostics	Nicosia
Laboratory Melathron Agoniston EOKA	Diagnostics	Limassol
BIOMEDICAL LABORATORY - Spyroula Christou	Diagnostics	Limassol
K.L. Clinical Laboratory Center Ltd	Diagnostics	Larnaca
Charis Charilaou Biomedical Laboratory	Diagnostics	Nicosia
Clinical labs Maria Lafazani	Diagnostics	Larnaca
Synlab	Diagnostics	Nicosia
Clinical Labs N. THEOCHARIDES LTD	Diagnostics	Nicosia
Remedica Ltd	Pharmaceutical company & Research	Limassol
Apollonion Clinical Laboratory	Diagnostics	Nicosia
Clinical Lab Larnaka General Hospital	Diagnostics	Larnaca
Nicosia General Hospital	Diagnostics	Nicosia
Pascal Private English School	Education	Nicosia
State General Laboratory	Diagnostics & Research	Nicosia
Pedieos IVF Center	Diagnostics & Research	Nicosia
German Oncology Center	Diagnostics & Research	Limassol
Karaiskakion Foundation	Diagnostics & Research	Nicosia
University of Cyprus	Research	Nicosia
Institute of Neurology & Genetics	Research	Nicosia
Embio Diagnostics Biotech company	Research	Nicosia
Cyprus Cancer Research Institute	Research	Nicosia

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”

A/A	NAME	PAGE
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22.	Panagiotis Papageorgis	144

23.	Konstantinos Drosatos	152
24.	Iva Tzvetanova	160
25.	Andreas Stylianos	166
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27.	Antonia Vlachou	185
28.	Stephanos Christodoulides	194
29.	Ilias Nikas	201
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Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Gkretsi
Name:	Vasiliki
Rank:	Associate Professor
Faculty:	Sciences
Department:	Life Sciences
Scientific Domain: *	Cellular and molecular Pathology

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
Ph.D	2006	University of Pittsburgh Medical School, PA, USA	Department of Cellular and Molecular Pathology	Role of integrin-proximal complexes in cancer cell behavior and normal liver function.
Diploma in Biology	2001	National and Kapodistrian University of Athens, Greece	Biology Department	Familial Mediterranean Fever (FMF) and screening for mutations of the MEFV gene in Greeks and in the Greek population of Cyprus.

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2021	Present	European University Cyprus	Nicosia, Cyprus	Associate Professor
2017	2020	European University Cyprus	Nicosia, Cyprus	Assistant Professor
2015	2017	University of Cyprus	Nicosia, Cyprus	Senior Scientist
2009	2015	Centre for Research and Technology, Hellas (CE.R.T.H), Institute of Research and Technology-Thessaly (IRETETH), Department of Biomedical Sciences	Larissa, Greece	Research Assistant Professor (Researcher C)

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Fascin-1 in cancer cell metastasis: old target-new insights	Sarantelli E., Mourkakis A., Zacharia LC., Stylianos A., and Gkretsi V.	International Journal of Molecular Sciences	24	11253
2	2023	Ras Suppressor 1 long form (RSU1L) silencing promotes apoptosis in invasive breast cancer cells	Christou C., Christodoulou Ml., Zaravinos A., and Gkretsi V.	Cellular Signalling	101	11052 2
3	2022	Effects of 2-Methoxyestradiol on hydrogen peroxide-induced neuronal cell death and Tau hyperphosphorylation.	Zacharia LC., Eleftheriou C., and Gkretsi V.	Life Sciences	309	12104 7
4	2022	LincRNAs and snoRNAs in Breast Cancer Cell Metastasis: The Unknown Players.	Louca M. and Gkretsi V	Cancers	14	4528
5	2020	ILK silencing inhibits migration and invasion of more invasive glioblastoma cells by downregulating ROCK1 and Fascin-1	Louca M., Zaravinos A., Stylianopoulos T, and Gkretsi V	Molecular and Cellular Biochemistry	471(1-2)	143-153
6	2019	Inhibition of Breast Cancer cell invasion by Ras Suppressor-1 (RSU-1) silencing is reversed by	Gkretsi V , Louca M, Stylianos A, Minadakis G, Spyrou GM, Stylianopoulos T.	International Journal of Molecular Sciences	20 (1)	Pii:E1 63

		Growth Differentiation Factor-15 (GDF-15).				
7	2019	Depletion of Ras Suppressor-1 (RSU-1) promotes cell invasion of breast cancer cells through a compensatory upregulation of a truncated isoform.	Gkretsi V* , Kalli M., Efstathiades C., Papageorgis P., Papanikolaou V., Zacharia LC., Tsezou A., Athanassiou E., Stylianopoulos T.*	Scientific Reports	9(1)	10050
8	2019	Ras suppressor-1 (RSU-1) promotes cell invasion in aggressive glioma cells and inhibits it in non-aggressive cells through STAT6 phospho-regulation	Louca M., Stylianou A., Minia A., Pliaka V., Alexopoulos LG., Gkretsi V.* , and Stylianopoulos T*.	Scientific Reports	9(1)	7782
9	2015	Ras Suppressor-1 promotes apoptosis in breast cancer cells by inhibiting PINCH-1 and activating p53-upregulated-modulator of apoptosis (PUMA); verification from metastatic breast cancer human samples	Giotopoulou N., Valiakou V., Papanikolaou V., Dubos S., Athanassiou E., Tsezou A., Zacharia LC, Gkretsi V.*	Clinical & Experimental Metastasis	32(3)	255-65
10	2008	Liver specific ablation of Integrin-Linked Kinase in mice results in abnormal histology, enhanced cell proliferation and hepatomegaly	Gkretsi V. , Apte U., Mars WM., Bowen WC., Luo JH., Yang Y., Yu YP., Orr A., St.-Arnaud R., Dedhar S., Kaestner KH., Wu C., Michalopoulos GK.	Hepatology	48 (6)	1932-1941

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	April 9 th 2022	<i>In vitro</i> models of cancer cell metastasis	Local	17 th Conference of the Biologists' association	Oral presentation
2	March 29-30 th , 2019	Targeting metastasis. Could RSU-1 be the key?	Local	1st SynBio Conference in Cyprus, Nicosia, Cyprus	Oral presentation
3	December 7 th 2018	Inhibition of breast cancer cell invasion by Ras suppressor-1 (RSU-1) silencing is reversed by Growth Differentiation Factor-15 (GDF-15)	International	International Conference of the Cyprus Society of Human Genetics, Nicosia Cyprus	Oral presentation
4	November 15-17, 2018	Depletion of Ras Suppressor-1 promotes cell invasion of breast cancer cells through a compensatory upregulation of a truncated isoform	International	6 th International Multithematic Bio-Medical Congress, Nicosia, Cyprus	Oral presentation
5	June 25-28, 2017	Identification of Ras Suppressor-1 (RSU-1) and Vasodilator-Stimulated Phosphoprotein (VASP) as potential breast cancer metastasis biomarkers using a three-dimensional <i>in vitro</i> approach.	International	7 th International Conference on Tumor-Host Interaction and Angiogenesis, Ascona, Switzerland	Poster presentation
6	October 6-8, 2016	Targeting breast cancer metastasis: a bioengineering approach	International	21 st World Congress on Advances in Oncology & 19 th International Symposium of Molecular	Oral presentation

				Medicine, Athens, Greece	
7	November 9, 2008	Validation of therapeutic siRNA approaches in animal models of TNF mediated chronic inflammatory diseases. Therapy for rheumatoid arthritis (RA): Targeting the actin cytoskeleton?	International	RIGHT Symposium "RNAi for Therapy", Lisbon, Portugal	Oral presentation
8	April 1-5, 2006	Depletion of Integrin-linked kinase (ILK) from primary mouse hepatocytes leads to apoptosis	International	FASEB, Experimental Biology meeting, San Francisco, CA, USA	Oral presentation
9	April 2-6, 2005	Physical and functional association of migfilin with cell-cell adhesions	International	Experimental Biology meeting, San Diego, CA, USA	Oral presentation

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2022-2024	Identification of Medicinal/Aromatic Plants properties and improving quality, nutritive value and storability of fresh and dry products to support SME competitiveness	Research Promotion Foundation (Excellence hub)	Participant
2	2022-2024	Nanomechanical FingerPrints of Pulmonary Fibrosis»-MechanoLung	Research Promotion Foundation (Excellence hub)	substitute WP leader
3	2013-2014	The role of integrin-proximal protein complexes during hepatocellular carcinoma metastasis (renewal)	European Society for the Study of the Liver, 2012 EASL	Principal investigator (project coordinator)

			Sheila Sherlock award	
4	2012-2013	The role of integrin-proximal protein complexes during hepatocellular carcinoma metastasis	European Society for the Study of the Liver, 2012 EASL Sheila Sherlock award	Principal investigator (project coordinator)
5	2012-2015	Smart pole of specialization and development-Thessaly; Research, innovation and strategics	Ministry of Education, religious affairs, culture and sports / General Secretariat for Research and Technology (GSRT)	Co-Principal investigator (co-coordinator)
6	2007-2013	Osteoarthritis: complete systematic analysis for targeted biologic therapy	General Secretariat for Research and Technology (GSRT). Action: NSFR 2007-2013, Cooperation, Protocol number: 12-11/09 #705	Co-Principal investigator (co-coordinator)

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2024-2025	International Journal of Molecular Sciences with an impact factor of 5.6	Special Issue Editor. Title "Tumor Microenvironment and Actin Cytoskeleton in Cancer Cell Metastasis"	Evaluation and selection of articles to be published in the special issue of the journal.
2	2020-2022	Journal " Life " with an impact factor of 3.817	Special Issue Editor. Title "Cancer cell metastasis: the <i>in vitro</i> approach"	Evaluation and selection of articles to be published in the special issue of the journal.
3	2018-2021	Committee of Bioethics Evaluation of Biomedical and Clinical Research B	Member	Evaluation of research proposals submitted to the committee from the perspective of bioethics.
4	2018-present	European University Cyprus	Representative of the School of Sciences at the Internal Quality Assurance Committee of the European University Cyprus.	Quality assurance for academic programs in the School of Sciences.
5	2016-2017	Frontiers in Oncology journal with an impact factor of 6.244	Topic Editor	Title of Research Topic "Metastasis: from cell adhesion and beyond".

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2023	Annual Award for Excellence in Teaching 2023 , in memory of Dr. Mary Eleftheriadou	European University Cyprus
2	2012-2014	European Association for the Study of the Liver (EASL*) Sheila Sherlock fellowship 2012 , International Liver Congress 2012, April 18-22, Barcelona, Spain. Title of the research project: "The role of integrin-proximal protein complexes during hepatocellular carcinoma metastasis". *EASL is the leading association in Europe attracting the foremost experts in hepatology, exhibiting an impressive track record in promoting cutting edge research in liver disease, supporting wider education and promoting changes in European liver policy. http://www.easl.eu/fellowship/list-of-awardees/2012	European Association for the Study of the Liver (EASL)
3	2012	Travel award to attend the International Liver Congress 2012, April 18-22, Barcelona, Spain.	European Association for the Study of the Liver (EASL)
4	2006	invited as student honoree and received the yellow ribbon at the Honors Convocation 2006 of the University of Pittsburgh, Carnegie Library, February 24 th 2006, Pittsburgh, PA, USA	University of Pittsburgh, PA, USA
5	2005	received the 2005-2006 Stephen L. Phillips Scientific Achievement Award at the 10 th Annual University of Pittsburgh Biomedical Graduate Student Research Symposium, October 2005, Pittsburgh, PA, USA. This	University of Pittsburgh, PA, USA

		award is given in recognition of an outstanding first author publication and contribution to graduate research.	
6	2004	2004: received the American Society for Investigative Pathology (ASIP) Trainee Travel Award for the Experimental Biology meeting 2005, San Diego, CA, USA.	American Society for Investigative Pathology

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1	2005-present	<ul style="list-style-type: none"> • 49 peer reviewed articles and 3 book chapters • 1st author in 20, 2nd in 11 and corresponding in 25 • 1531 citations (Scopus), h index 20 • 2214 citations (Google Scholar), h index 25 • Reviewer in 31 scientific journals 	
2	2005	Journal of Cell Science (IF=6,144) cover photo from the article: Gkretsi V., et al.(2005) Physical and functional association of migfilin with cell-cell adhesions, J Cell Sci 118 (4), 697-710.	An image from this work was selected for the cover of the Journal of Cell Science.
3	2009	Draft US provisional patent application- Application No. 61175960, Date of application: May 06, 2009 Title: "METHODS FOR TREATING INFLAMMATION". Inventors: Georgios Kollias, Vasiliki Gkretsi , Yiannis Vasilopoulos.	Patent

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Appiou Nikiforou
Name:	Marina
Rank/Position:	Assistant Professor
Faculty:	School of Sciences
Department:	Computer Science and Engineering
Scientific Domain: *	Mathematics

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Ph.D.	2003	University of South Florida	Mathematics	Extensions of Quandles and Cocycle Knot Invariants
M.A.	1998	University of South Florida	Mathematics	
B.Sc.	1996	University of Cyprus	Mathematics and Statistics	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
October 2007	Today	European University Cyprus	Nicosia, Cyprus	Assistant Professor
September 2003	September 2007	Cyprus College	Nicosia, Cyprus	Assistant Professor
August 1996	December 2002	University of South Florida	ΗΠΑ	Graduate Teaching Assistant

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2017	Using Learning Trajectories as a tool for Differentiated Instruction in STEM Education	Theodosiou T.	Proceedings of the International Conference: Differentiation of instruction for teacher professional Development and students' Success (DiDeSu), Nicosia, Cyprus, Ministry of Education and Culture ISBN: 978-9963-0-9199-7		33
2	2017	Mathematics Teaching Enhanced with technology	Constantinou P., Meletiou-Mavrotheri M., Papatistodemou E.	Proceedings of the International Conference: Differentiation of instruction for teacher professional Development and students' Success (DiDeSu), Nicosia, Cyprus, Ministry of Education and Culture ISBN: 978-9963-0-9199-7		
3	2016	Η στατιστική σκέψη προπτυχιακών φοιτητών μέσα από ομαδική μελέτη		Κυριακίδης Λ., Τσαγγαρίδου Ν., Ορφανός Σ.,		https://drive.google.com

				<p>Σολωμού Α., Παπαλεοντίου Ε., Συμεού Λ., Φτιάκα Ε. (2016). Έκπαίδευση, Διεπιστημονικότητα και Σύγχρονος Κόσμος: Ο Ρόλος και η Συνεισφορά της Εκπαιδευτικής Έρευνας, Πρακτικά 14ου Συνεδρίου Παιδαγωγικής Εταιρείας Κύπρου, 21-22 Οκτωβρίου 2016, Λευκωσία: Πανεπιστήμιο Κύπρου</p>		om/file/d/0By3MHWf-3yJpSjMyZmhOci1NTUk/view
4	2016	Group projects and statistical thinking of undergraduates.	Meletiou-Mavrotheris, M	Csikós, C., Rausch, A., & Szitányi, J. (Eds.). Proceedings of the 40th Conference of the International Group for Psychology of Mathematics Education, Szeged, Hungary: PME	1	113
5	2015	Prospective primary school teachers and their statistical reasoning		E. Theodorou, C. Charalambous, A. Liasidou, K. Mavrou, A. Zmas, Proceedings of the International Conference Teacher Professionalism & Educational Change: Possibilities for Policy & Practice. Nicosia, Cyprus		

6	2015	Using models and modeling to support the development of college-level students' reasoning about statistical inference	Meletiou-Mavrotheris, M.	H. Oliveira, A. Henriques, A.P. Canavarro, C. Monteiro, C. Carvalho, J. P. da Ponte, R. T. Ferreira, & S. Colaço (Eds), Proceedings of the International Conference on International Conference Turning data into knowledge: New opportunities for statistics education Lisbon, Portugal: Instituto de Educação da Universidade de Lisboa.		44
7		Graph reading and interpretation: An investigation of introductory statistics college students' knowledge	Meletiou-Mavrotheris, M.	H. Oliveira, A. Henriques, A.P. Canavarro, C. Monteiro, C. Carvalho, J. P. da Ponte, R. T. Ferreira, & S. Colaço (Eds), Proceedings of the International Conference on International Conference Turning data into knowledge: New opportunities for statistics education Lisbon, Portugal: Instituto de Educação da Universidade de Lisboa.		124

8	2003	Extensions of quandles and cocycle knot invariants	S. Carter, M. Elhamdadi, and M. Saito	Journal of Knot Theory and Its Ramifications	12, n.6	725
9	2002	Cocycle knot invariants, quandle extensions, and Alexander matrices	S. Carter, A. Harris, M. Saito	Low-dimensional topology of tomorrow, RIMS Kokyuroku, Kyoto University	1272	12

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	January 2022 – March 2024	<i>"GEPARD - Gender Equality Programme in Academia - Raising Diversity"</i> (Ref. # 2021-1-PL01-KA220-HED-000027532)	KA2 - Cooperation Partnerships in higher education	Coordinator of EUC team
2	February 2022 – April 2023	<i>"DJM-CYBER - Designing a Joint Master in Cybersecurity"</i> (Ref. # 101050263)	Erasmus -EDU-2021-EMJM-DESIGN	Research Team Member
3	October 2019 – December 2021	<i>"BE-COM: Between Interaction and Innovation - Creating Communication Space in the Digital World"</i> (Ref. # 2019-1-PL01-KA203-065691)	KA2 - Cooperation for Innovation and the Exchange of Good Practices - Strategic Partnerships for higher education	Coordinator of EUC team

4	October 2017 – November 2019	<i>JUPYTER@EDU – Infrastructure for cloud-based system education: Scalable implementation of Jupyter notebook system for scientific explorations (Ref. #: 2017-1-PL01-KA203-038747)</i>	Erasmus+ / Key action 2, Strategic Partnerships for Higher Education	Coordinator of EUC team
5	September 2015 – August 2017	<i>Constructivism in Teaching Maths - open educational resources (Ref. #: 2015-1-PL01-KA201-017121)</i>	Erasmus+/ Key action 2, Strategic Partnerships for School Education	Scientific researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	1996-2003	Graduate Teaching Assistant Scholarship	University of South Florida
2	Fall2000, Fall2001, Fall2002	Fred L. & Helen M. Tharp Endowed Scholarship	University of South Florida

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	KELIS
Name:	PANAYIOTA
Rank/Position:	SPECIAL SCIENTIST
Faculty:	SCHOOL OF SCIENCES
Department:	LIFE SCIENCES
Scientific Domain: *	CHEMISTRY

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MSC – MEDICINAL AND BIOLOGICAL CHEMISTRY	2019	THE UNIVERSITY OF EDINBURGH	CHEMISTRY	
BSC - CHEMISTRY	2018	IMPERIAL COLLEGE LONDON	CHEMISTRY	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2022	Present	AMERICAN INTERNATIONAL SCHOOL IN CYPRUS	CYPRUS - NICOSIA	CHEMISTRY TEACHER
2021	Present	EUROPEAN UNIVERSITY CYPRUS	CYPRUS - NICOSIA	SPECIAL SCIENTIST
2020	2021	UNIVERSITY OF CYPRUS	CYPRUS - NICOSIA	SPECIAL SCIENTIST

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Versatile Chemo-Biocatalytic Cascade Driven by a Thermophilic and Irreversible C–C Bond-Forming α -Oxoamine Synthase	Ben Ashley Arnaud Baslé Mariyah Sajjad Ahmed el Ashram Jon Marles-Wright Dominic J. Campopiano	ACS Sustainable Chem. Eng.	11	7997–8002

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

**Specify venue, geographic location etc*

**Research Projects. List the five (5) more recent and other five (5) selected
(max total 10)**

Ref. Number	Date	Title	Funded by	Project Role*
1	2021	SYNTHESIS OF CANTHIN-4-ONE	DIDAKTOR	RESEARCHER
2	2019	A CHEMO-BIOCATALYTIC APPROACH OF SYNTHESISING PYRROLES FOR SYNTHESIS	THE UNIVERISTY OF EDINBURGH	MSC RESEARCH PROJECT

3	2018	UNDERSTANDING THE ROLE OF PRENYL GROUPS IN OLEFIN METATHESIS	IMPERIAL COLLEGE LONDON	BSC RESEARCH PROJECT
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2019	HIGHLY SKILLED WORKFORCE SCHOLARSHIP	THE UNIVERSITY OF EDINBURGH

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Panayiotou
Name:	Panos
Rank/Position:	Senior Instructor (Special Teaching Personnel/ STP)
Faculty:	School of Humanities, Social and Education Sciences
Department:	Humanities
Scientific Domain: *	English

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MA in Creative & Transactional Writing		Brunel University		
MA in Educational Management		Brunel University		
BA(Hons) Modern English Studies		University of Luton		

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2004	present	Cyprus College/European University Cyprus	Nicosia, Cyprus	

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1						

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1				

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2011-present	CYTEA (Cyprus Teachers of English Association)	Treasurer	Organisation of Annual Conference, Summer Workshop, Talks and Seminars

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	Neophytou
Name:	Christiana
Rank/Position:	Assistant Professor
Faculty:	SCHOOL OF SCIENCES
Department:	Life Sciences
Scientific Domain: *	Cancer Biology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
DPHil (PhD) in Molecular Biology	2014	University of Cyprus	Biological Sciences	Chemotherapeutic mechanism of action of d-alpha Tocopheryl Polyethylene Glycol Succinate (TPGS) in Breast Cancer
MSc in Experimental Molecular Biology	2010	University of Cyprus	Biological Sciences	Investigation of the apoptotic mechanism induced by natural isoforms and synthetic derivatives of Vitamin E in prostate cancer cell lines
BSc in Biology	2008	National and Kapodistrian University of Athens	Biology	Investigation of the mechanism of action of Benzopyrene in prostate cancer cell lines

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
January 2019	August 2022	European University Research Center	Nicosia, Cyprus	Post Doctoral Researcher
January 2015	August 2019	University of Cyprus	Nicosia, Cyprus	Post Doctoral Researcher
2013	2014	University of Cyprus	Nicosia, Cyprus	Special Scientist

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Dynamic monitoring of PD-L1 and Ki67 in circulating tumor cells of metastatic non-small cell lung cancer patients treated with pembrolizumab.	Spiliotaki, M.; Vogazianos, P.; Stylianos, I.; Gregoriou, G.; Constantinou, A.I.; Deltas, C.; Charalambous, H.	Molecular Oncology/Wiley	17	792-809
2	2023	Implementation of effect biomarkers in human biomonitoring studies: A systematic approach synergizing toxicological and epidemiological knowledge	Rodriguez-Carrillo, A., et al.,	Int J Hyg Environ Health/Elsevier	249	114140
3	2022	DNA Damage Response in Cancer Therapy and Resistance: Challenges and Opportunities.	Jurkovicova, D.; Gasparovic, A. C.; Goncalves, A. C	International journal of molecular sciences/MDPI	23	23
4	2022	Regulation of Metastatic Tumor Dormancy and Emerging Opportunities for Therapeutic Intervention	Tamamouna, V., Pavlou, E., Papageorgis, P., Costeas, P.,	International journal of molecular sciences/MDPI	23	22
5	2022	Amygdalin acts as a chemoprotective agent in combination with the platinum drug Cisplatin	Christodoulou P, Boutsikos P, Neophytou CM, Kyriakou TC, Christodoulou M, Papageorgis P, Stephanou A, Patrikios I	Frontiers in Pharmacology/MDPI	13	1013692
6	2021	Apoptosis Deregulation and the Development of Cancer Multi-Drug Resistance	Trougakos I., Nuray E., and Papageorgis P.	Cancers/MDPI	13	17

7	2021	Anti-Cancer Activity and Phenolic Content of Extracts Derived from Cypriot Carob (<i>Ceratonia siliqua</i> L.) Pods Using Different Solvents	Gregoriou G., Vasincu A., Gregoriou Y., Hatzipakkou H., Pinakoulaki E., Stavrou I., Christou A., Kapnisi C., Aigner S., Stuppner H., Kakas A., Constantinou A.I.	Molecules/MDPI	26	17
8	2019	d- α -Tocopheryl Polyethylene Glycol 1000 Succinate and a small-molecule Survivin suppressant synergistically induce apoptosis in SKBR3 breast cancer cells	Mesaritis A., Gregoriou G., Constantinou A.I.	Scientific Reports/Nature	9(1)	14375
9	2015	Targeting IL13Ra2 activates STAT6-TP63 pathway to suppress breast cancer lung metastasis	Papageorgis P., Ozturk S., Lambert A.W., Tzatsos A., Wong C.K., Thiagalingam S. and Constantinou A.I.,	Breast Cancer Research/Springer Nature	17(1)	98
10	2014	D-alpha-tocopheryl polyethylene glycol succinate (TPGS) induces cell cycle arrest and apoptosis selectively in Survivin-overexpressing breast cancer cells	Constantinou C., Papageorgis P., Constantinou A.I.,	Biochemical Pharmacology/Elsevier	89	31-42

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	3 rd - 5 th November 2022	Effects of Dietary Acrylamide on Gene Expression of Colon Tissue in BALB/c Mice	International	10th International Multithematic Bio-Medical Congress (IMBMC), Nicosia, Cyprus.	Poster Presentation
2	22-23 October 2022	Identification of candidate genes regulating the dormant state of metastatic breast cancer cells to the lungs	International	1st βιοϕ-SBSCy National Conference on Molecular Life Sciences,	Poster Presentation

3	18-20 November 2021	Functional validation of genes implicated in metastatic breast cancer dormancy, Unveiling the transcriptional landscape that regulates colonization of dormant metastatic breast cancer cells to the lungs,	International	9th International Multithematic Scientific Bio-Medical Congress (IMBMC), Nicosia, Cyprus.	Poster Presentation
4	18-20 November 2021	Combination of platinum agent Cisplatin with small molecule PI ₃ K/AKT inhibitor MK2206 in lung cancer cells,	International	9th International Multithematic Scientific Bio-Medical Congress (IMBMC), Nicosia, Cyprus	Poster Presentation
5	18-20 November 2021	Unveiling the transcriptional landscape that regulates colonization of dormant metastatic breast cancer cells to the lungs	International	9th International Multithematic Scientific Bio-Medical Congress (IMBMC), Nicosia, Cyprus.	Invited talk
6	5-9 September 2021	Unveiling the role of ATF4 in metastatic breast cancer dormancy	International	4th Annual Conference of STRATAGEM “New Diagnostic and Therapeutic Tools against Multi-Drug Resistant Tumours”, Prague	Invited talk
7	1 - 3 February 2018	d- α -tocopheryl polyethylene glycol 1000 succinate and a small molecule inhibitor of survivin synergistically induce apoptosis in breast cancer cells	International	EARC conference series, A Matter of Life or Death: From Basic Cell Death Mechanisms to Novel Cancer Treatments, Amsterdam, Netherlands	Poster Presentation
8	4-5th of December, 2020	Unveiling novel molecular mechanisms that regulate colonization of dormant metastatic breast cancer cells	International	8th International Conference of The Cyprus Society of Human Genetics, online	Invited talk
9	24-26 June 2019	Unveiling novel molecular mechanisms that regulate	Local	Advances in the Applications of Monoclonal Antibodies	Invited talk

		colonization of dormant metastatic breast cancer cells		in Clinical Oncology, Grecian Park Hotel, Konnos Bay, Cyprus	
10	November 3rd, 2017	Nanoparticle applications in cancer chemoprevention and therapy	Local	5th International Bio-Medical Scientific Cyprus Congress, Nicosia	Invited talk

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2023-2026	Development of a novel biomarker detection tool to predict breast cancer metastases	The Research & Innovation Foundation	Researcher
2	2023-2027	Precision medicine in biliary tract cancer (Precision-BTC-Network)	The European Commission	Management Committee member
3	2020-2024	Lobular Breast Cancer: Discovery Science, Translational Goals, Clinical Impact	The European Commission	Management Committee member
4	2022-2024	Targeting the desmoplastic tumor microenvironment to improve the efficacy of pancreatic cancer immunotherapy.	The Research & Innovation Foundation	Researcher
5	2021-2022	Examination of the chemopreventive and anti-cancer properties of plant extracts.	Alpinamed	Researcher
6	2019-2022	Carobs: The BlackGold of Cyprus	The Research & Innovation Foundation	Researcher
7	2018-2022	New diagnostic and therapeutic tools against multidrug resistant tumors (STRATAGEM)	The European Commission	Management Committee member
8	2019-2021	Unveiling novel molecular mechanisms that regulate colonization of dormant metastatic breast cancer cells	The Research & Innovation Foundation	Researcher

9	2017-2021	The European Human Biomonitoring Initiative	The European Commission	Researcher
10	2011-2014	A Social Collaborative Working Space Semantically Interlinking Biomedical Researchers, Knowledge and Data for The Design and Execution of In-Silico Models and Experiments in Cancer Chemoprevention	The European Commission	Researcher

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2023-2027	The European Commission	Management Committee member	Precision medicine in biliary tract cancer (Precision-BTC-Network)
2	2021-2024	The European Commission	Management Committee member	Lobular Breast Cancer: Discovery Science, Translational Goals, Clinical Impact
3	2019-2022	The European Commission	Management Committee member	New diagnostic and therapeutic tools against multidrug resistant tumors

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2023	Early Career Woman Researcher award	European University of Cyprus, Nicosia, May 2023.
2	2021	Third Prize for the Best Oral Presentation for the talk "Unveiling the Role of ATF4 in Metastatic Breast Cancer Dormancy"	4th Annual Conference of STRATAGEM "New Diagnostic and Therapeutic Tools against Multi-Drug Resistant Tumours"
3	2019	Second place prize for the poster presentation "Experimental Strategies to Unveil Novel Molecular Mechanisms that Regulate	European University Cyprus at the 7th International Multithematic Bio-Medical Congress (IMBMC),

		Colonization of Dormant Metastatic Breast Cancer Cells”	
4	2017	Second place award for the abstract entitled synergistic effect of d- α -tocopheryl polyethylene glycol 1000 succinate and a small molecule inhibitor of survivin in breast cancer	The 3rd Cyprus Oncology Conference
5	2016	1st Place award in the category of Post-Doctoral fellows	The Molecular Medicine Research Center University of Cyprus as part of the Euro-BioCy Research Proposal Competition.
6	2015	New Researcher Grant for the submission of a research proposal to the Horizon2020 Call “H2020-PHC-2015-two-stage” under the topic PHC-14-2015.	University of Cyprus
7	2013	New Researcher Grant for the submission of a research proposal to the MARIE CURIE ACTIONS-PEOPLE Call: FP7-PEOPLE-2013-IAPP Industry-Academia Partnerships and Pathways (IAPP).	University of Cyprus
8	2010	1st Poster award for the poster presentation at the 10th Marianna Lordos Symposium	Marianna Lordos Cancer Memorial Fund.
9	2010	Award for the highest GPA obtained in the MSc in Experimental Biology Graduating class of 2010	C.Georgiou (Lab Supplies) LTD.

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	Panteli
Name:	Panayiota
Rank/Position:	Scientific Collaborator
Faculty:	SCHOOL OF SCIENCES
Department:	Life Sciences
Scientific Domain: *	Organic Chemistry

Academic qualifications

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctor of Philosophy (PhD) in Polymer Science	2013-2019	University of Cyprus	Chemistry	Investigation of the Enhancement of the Mechanical Properties of Polymer Network Hydrogels via Network Multiplicity, Amphiphilicity, and Reversibility.
Bachelor Degree (BSc) in Chemistry	2009-2013	University of Cyprus	Chemistry	Synthesis of Amphiphilic Diblock Copolymers of 2-(1-Imidazolyl)ethyl methacrylate and Styrene

Employment history in Academic Institutions/Research Centers

Period of employment		Employer	Location	Position
From	To			
February 2021	June 2023	European University Cyprus	Nicosia, Cyprus	Scientific Collaborator
September 2014	January 2019	University of Cyprus	Nicosia, Cyprus	Teaching Assistant

Key refereed journal papers, monographs, books, conference publications etc.

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	The Charge-dependent Microphase Separation in Thin Films from a Multi- Responsive Pentablock Quaterpolymer: A GISAXS Investigation.	Florian A. Jung, Dorthe Posselt, Detlef-M. Smilgies, Constantinos Tsitsilianis, Costas S. Patrickios, Christine M. Papadakis	Macromolecules ACS Publications	53	6255
2	2019	Multiply Interpenetrating Polymer Networks: Preparation, Mechanical Properties, and Applications.	Costas S. Patrickios	Gels MDPI	5	36
3	2019	Multiple Network Hydrogels: A Study of Their Nanoindentation Hardness.	Costas S. Patrickios, Marios Constantinou, and Georgios Constantinides	Macromolecular Symposia Wiley Online Library	385	1800201
4	2019	Structural Properties of Micelles formed by Telechelic Pentablock Quaterpolymers with pH-responsive Midblocks and Thermo-responsive End Blocks in Aqueous Solution.	Florian Jung, Chia-Hsin Ko, Jia-Jhen Kang, Lester C. Barnsley, Constantinos Tsitsilianis, Costas S. Patrickios, Christine M. Papadakis	Macromolecules ACS Publications	52	9746
5	2018	Complex Hydrogels Based on Multiply-interpenetrated Polymer Networks: Enhancement of Mechanical Properties via Network Multiplicity and Monomer Concentration.	Costas S. Patrickios	Macromolecules ACS Publications	51	7533
6	2014	Synthesis and Characterization of	Maria Rikkou-Kalourkoti, Costas S. Patrickios	Polymer Chemistry RSC Publishing	5	4339

		Amphiphilic Diblock Copolymers of 2-(1-Imidazolyl) Ethyl Methacrylate and Styrene.				
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Other Achievements.			
Ref. Number	Date	Title	Key activities:
1	2017	Academic PhD Scholarship, Department of Chemistry, University of Cyprus	PhD

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	Tryfonos
Name:	Andrea
Rank/Position:	Lecturer
Faculty:	SCHOOL OF SCIENCES
Department:	Life Science
Scientific Domain: *	Cardiovascular Exercise Physiology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Post-doc	2022	Karolinska Institutet	Laboratory Medicine Division of Clinical Physiology	Exercise intolerance in post- COVID syndrome
PhD	2020	Liverpool John Moores University	School of Science Sport and Exercise Science	The impact of arterial catheterization on vascular function in healthy subjects and patients with coronary artery disease
MSc	2015	National University of Athens	Medical School Experimental Physiology	Angiogenesis-related gene profile following 12 weeks cardiac rehabilitation in heart failure patients
BSc	2013	National University of Athens	Physical Education and Sport Science	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
08/2022	09/2023	Karolinska Institutet	Sweden	Post-doc researcher

04/2021	10/2021	Supersapiens	Ireland & USA (remote)	Research Associate
09/2020	-	European University Cyprus	Cyprus	Scientific Collaborator/Lecturer
9/2016	9/2019	Liverpool John Moores University	UK	Teaching support officer and Research (PhD candidate)
9/2016	9/2018	Liverpool Heart and Chest Hospital	UK	PhD Research Internship

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Post-exercise endothelial function is not associated with extracellular vesicle release in healthy young males.	Tryfonos A , Cocks M, Browning N & Dawson EA.	Applied Physiology, Nutrition, and Metabolism	48	209-218
2	2023	Inflammation- and Tissue Remodeling-Related Gene Responses in Skeletal Muscle of Heart Failure Patients Following High-Intensity Interval Training.	Tryfonos A , Tzani G, Karatzanos E, Koutsilieris M, Nanas S & Philippou A.	RCM	24	
3	2022	Elevated shear rate-induced by exercise increases eNOS ser(1177) but not PECAM-1 Tyr(713) phosphorylation in human conduit artery endothelial cells.	Tryfonos A , Rasoul D, Sadler D, Shelley J, Mills J, Green DJ, Dawson EA, and Cocks M	Eur J Sport Sci	23	561-570
4	2021	Exercise Training Enhances Angiogenesis-Related Gene Responses in Skeletal Muscle of	Tryfonos A , Tzani G, Pitsolis T, Karatzanos E, Koutsilieris M, Nanas S & Philippou A.	Cells	10	1915

		Patients with Chronic Heart Failure				
5	2021	Expression of tissue remodelling, inflammation- and angiogenesis-related factors after eccentric exercise in humans	Philippou A, Tryfonos A , Theos A, Nezos A, Halapas A, Maridaki M & Koutsilieris M.	Molecular Biology Reports	48	4047–4054
6	2020	Impact of catheterization on shear-mediated arterial dilation in healthy young men	Tryfonos A , Cocks M, Rasoul D, Mills J, Green DJ & Dawson EA.	Eur J Appl Physiol	120	2525-2532
7	2020	A systematic review of the complications of high-risk third molar removal and coronectomy: development of a decision tree model and preliminary health economic analysis to assist in treatment planning	Pitros P, O'Connor N, Tryfonos A & Lopes V.	Br J Oral Maxillofac Surg	58	16-24
8	2020	Exercise-induced vasodilation is not impaired following radial artery catheterization in coronary artery disease patients.	Tryfonos A , Cocks M, Mills J, Green DJ & Dawson EA.	J Appl Physiol (1985)	128	422-428.
9	2019	Effects of Catheterization on Artery Function and Health: When Should Patients Start Exercising Following Their Coronary Intervention?	Tryfonos A , Green DJ & Dawson EA.	Sports Med	49	397-416

10	2018	Chronic heart failure: The role of exercise in the associated myopathy and angiogenesis of skeletal muscle	Tryfonos A , Karatzanos, E, Nanas, & Philippou A	Arch Hellen Med	35	313-321
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	07/2023	Uncovering physical limitation and exercise intolerance in post-COVID syndrome	International European Collage of Sport Science Annual Meeting 2023	Paris	Oral Presentation
2	06/2023	EXILE: Study design and Preliminary results	Local Karolinska University Hospital	Stockholm	Invited Oral Presentation
3	11/2021	Elevated shear rate-induced by exercise increases eNOS ser ¹¹⁷⁷ but not PECAM-1 Tyr ⁷¹³ phosphorylation in human conduit artery endothelial cells.	International 9 th International Multithematic Bio-Medical Congress EUC	Nicosia	Oral Presentation
4	02/2020	Impact of catheterization on shear-mediated arterial dilation in healthy young men	International European Collage of Sport Science Annual Meeting 2020	Online (pandemic)	Oral Presentation
5	05/2019	Vascular responses to acute exercise following catheterization-induced damage in humans	International American College of Sport Medicine Annual Meeting 2019	Orlando	Oral Presentation

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2022-	Exercise Intolerance in Post-COVID syndrome	CIMED 2022-2024 2 000 000 SEK & 50 000 SEK Torspiran Schoraship & 100 000 SEK Magnus Bergvalls & 42 000 SEK Lars Hierta Memorial Foundation	Post-doc researcher
2	2021-	EXICAN: Exercise in paediatric cancer	Erasmus Plus+	Researcher
3	2016-2019	Determine <i>in vivo</i> and <i>in vitro</i> vascular function following catheterization in healthy individuals and patients with coronary artery disease	LJMU £15 000 & £4 500 x 3 year & LHCH £10 000	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:

1	2019	ACSM International Student Award, excellence of abstract submitted to ACSM Orlando 2019 (\$1000)	American College of Sport Medicine
2	2019	Michael L. Pollack studentship, excellence of abstract related to clinical exercise physiology submitted to ACSM Orlando 2019 (\$200)	American College of Sport Medicine

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1	2006 & 2008	Cyprus Olympic Committee – 1 st Best Woman for Cano-Kayak	Cano-Kayak

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Christodoulou
Name:	Maria-Ioanna (Marianna)
Rank/Position:	Associate Professor
Faculty:	School of Sciences
Department:	Life Sciences
Scientific Domain: *	Immunology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2010	National and Kapodistrian University of Athens	School of Medicine	Study of regulatory T-lymphocytes in autoimmune epithelitis - Sjögren syndrome (in the context of a detailed analysis of the inflammatory lesions of the disease)
MSc	2015	National and Kapodistrian University of Athens	School of Biology	Study of the synergistic action of metformin with anti-cancer drugs: in-vitro investigation on human ovarian cancer cell lines
BSc	2003	Aristotle University of Thessaloniki	School of Biology	DNA isolation and identification of <i>Brachionus species</i> (Rotifera) based on mitochondrial markers

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2019	today	European University Cyprus	Nicosia, Cyprus	Assistant Professor
2017	2019	University of Glasgow	Glasgow, UK	Post-doctoral fellow
2012	2016	National and Kapodistrian University of Athens	Athens, Greece	Post-doctoral fellow

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	The Role of TLR4 in the Immunotherapy of Hepatocellular Carcinoma: Can We Teach an Old Dog New Tricks?	Papadakos SP, Arvanitakis K, Stergiou IE, Lekakis V, Davakis S, Christodoulou MI , Germanidis G, Theocharis S	Cancers (Basel)	15(10)	2795
2	2023	Deregulated Expression of IL-37 in Patients with Bladder Urothelial Cancer: The Diagnostic Potential of the <i>IL-37e</i> Isoform	Papasavva M, Amvrosiou S, Pilala KM, Soureas K, Christodoulou P, Ji Y, Stravodimos K, Xu D, Scorilas A, Avgeris M, Christodoulou MI	Int J Mol Sci.	24(11)	9258
3	2023	Single-Cell Analysis in Immuno-Oncology	Christodoulou MI , Zaravinos A	Int J Mol Sci.	24(9)	8422
4	2023	Aberrant Expression and Prognostic Potential of IL-37 in Human Lung Adenocarcinoma	Christodoulou P, Kyriakou TC, Boutsikos P, Andreou M, Ji Y, Xu D, Papageorgis P, Christodoulou MI	Biomedicines	10(12)	3037
5	2023	Ras suppressor 1 long form (RSU1L) silencing promotes apoptosis in invasive breast cancer cells	Christou C, Christodoulou MI , Zaravinos A, Gkretsi V	Cell Signal	101	110522
6	2021	Common Genetic Aberrations Associated with Metabolic Interferences in Human Type-2 Diabetes and Acute Myeloid Leukemia: A Bioinformatics Approach.	Kyriakou TC, Papageorgis P, Christodoulou MI .	Int J Mol Sci.	22(17)	9322
7	2020	Blood-based analysis of 84 microRNAs identifies	Avgeris M, Kokkinopoulou I, Maratou E, Mitrou P,	Diabetes Res Clin Pract.	164	108187

		molecules deregulated in individuals with type-2 diabetes, risk factors for the disease or metabolic syndrome	Boutati E, Scorilas A, Fragoulis EG, Christodoulou MI			
8	2019	Decreased expression of microRNAs targeting type-2 diabetes susceptibility genes in peripheral blood of patients and predisposed individuals.	Kokkinopoulou I, Maratou E, Mitrou P, Boutati E, Sideris DC, Fragoulis EG., Christodoulou MI.	Endocrine	66(2)	226-239
9	2010	Characteristics of the minor salivary gland infiltrates in Sjögren's syndrome	Christodoulou MI , Kapsogeorgou EK, Moutsopoulos HM.	J Autoimmunity	34(4)	400-7
10	2008	Foxp3+-T Regulatory Cells in Sjögren's Syndrome: Correlation with the Grade of the Autoimmune Lesion.	Christodoulou MI , Kapsogeorgou EK, Moutsopoulos NM, Moutsopoulos HM.	American Journal of Pathology	173(5)	1389-86

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	December 2022	IL-37 isoforms as potential biomarkers for human bladder cancer	International	8th Symposium on Advances in Cancer Immunology & Immunotherapy, Athens, Greece	Poster presentation
2	November 2022	High IL-37 levels correlate with tumor development and longer overall survival in patients with bladder urothelial cancer	International	4th Cyprus Oncology Conference 'Making progress in Cancer Care with Research Innovation and	Poster presentation

				Multidisciplinary Collaboration', Limassol, Cyprus	
3	November 2022	IL-37e levels associate with development of type-2 diabetes and metabolic syndrome: preliminary data	International	10 th Multi-thematic Bio-medical Congress, Nicosia, Cyprus	Poster presentation
4	November 2022	Amygdalin as a Chemoprotective Agent in Co-Treatment with Cisplatin	International	10 th Multi-thematic Bio-medical Congress, Nicosia, Cyprus	Oral presentation
5	November 2022	High levels of IL-37 in patients with bladder urothelial cancer: a favorable prognostic factor for overall survival	International	10 th Multi-thematic Bio-medical Congress, Nicosia, Cyprus	Poster presentation
6	November, 2021	Aberrant Expression and Prognostic Potential of Interleukin-37 in Lung Adenocarcinoma Patients	International	9 th Multi-thematic Bio-medical Congress, Nicosia, Cyprus	Oral presentation
7	September , 2016	Investigation of the peripheral blood gene-expression signature in patients with type-2 diabetes mellitus, using mRNA next-generation sequencing.	International	41 st FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES CONGRESS, Ephesus/Kusadasi , Turkey	Oral presentation
8	June, 2014	Incidence and localization of tumor-infiltrating CD163+ macrophages and T-cells in early breast cancer patients.	International	2014 AMERICAN SOCIETY OF CLINICAL ONCOLOGY ANNUAL MEETING, Chicago, Illinois	Poster presentation
9	November, 2010	Evolution of Autoimmune Minor Salivary Gland (MSG) Lesions in Sjögren's Syndrome (SS)	International	74 th ANNUAL SCIENTIFIC MEETING OF THE AMERICAN COLLEGE OF	Poster presentation (Included in 2010 ACR Highlights: Sjögren's Syndrome)

				RHEUMATOLOG Y, Atlanta, Georgia	
10	October, 2009	The Distribution of Inflammatory Cells at the Autoimmune Minor Salivary Gland (MSG) Lesions of Sjögren's Syndrome (SS) Varies According To Lesion Severity: Correlation with Adverse Prognostic Factors	International	73rd ANNUAL SCIENTIFIC MEETING OF THE AMERICAN COLLEGE OF RHEUMATOLOG Y, Philadelphia, Pennsylvania	Oral presentation

** Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2022-2024	Targeting the tumor microenvironment to improve the efficacy of pancreatic cancer immunotherapy	Research and Innovation Foundation; Excellence Hubs	Researcher
2	2021-2023	Investigating the phytochemical profile and in-vitro bioactive properties of endemic plant extracts from Cyprus for potential use in medicine and agriculture- PlantexCY	Research and Innovation Foundation; RESTART 2016-2020	Researcher
3	2019-2021	Unveiling novel molecular mechanisms that regulate colonization of dormant metastatic breast cancer cells.	Research and Innovation Foundation; POST-DOC	Researcher
4	2017-2019	IL-37a: a novel immunosuppressive cytokine in autoimmune arthritis	Arthritis Research UK	Post-Doctoral Researcher

5	2017-2019	Investigation of the molecular profile of patients with type-2 diabetes mellitus utilizing high throughput, new generation sequencing technologies: development of a panel of microRNAs (miRNAs)-potential biomarkers for the disease.	Greek State Scholarships Foundation	Post-Doctoral Researcher (individual scholarship)
6	2014-2015	Utilization of bioinformatics and microchip Emerging Technologies towards a next generation architecture health system for diabetes mellitus type 2 management, prevention and personalized medical care - ARETAEUS"	European Regional Development Fund- ERDF & Greek national funds, Operational Program "Competitiveness & Entrepreneurship" of the National Strategic Reference Framework (NSRF); SYNERGASIA (COOPERATION) 2011	Post-Doctoral Researcher
7	2011-2014	Integrating the emerging research potential of the University of Athens Cancer Research Group in the European research area – InsPiRe	Commission of the European Community; EU-FP7 REGPOT-2011-1	Post-Doctoral Researcher
8	2008	Study of the role of regulatory T cells in autoimmune epithelitis (Sjögren syndrome)	The Special Account for Research Grants of the National and Kapodistrian University of Athens; Kapodistrias	PhD student

9	2005-2007	The role of enteroviral sequences in autoimmune lesion	General Secretariat of Research and Technology (Greece); PYTHAGORAS II- Funding of Research Groups in the Universities	PhD student
10	2002-2004	Genetic implications in the production of rotifers in commercial finfish hatcheries - ROTIGEN	Commission of the European Community	Undergraduate student; Thesis-project

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2022-today	European University Cyprus	Co-Ordinator of the MSc Cancer Biology program	Co-ordination of the program of study, mentoring of the students, in-charge of the submission/presentation of the program during the evaluation processes by external committees.
2	2020-today	European University Cyprus	Member of the EUC School of Sciences Council	Attendance of meetings and participation in voting decisions on subjects regarding academic operations, general welfare and the development of the School
3	2020-today	European University Cyprus	Supervision of Theses' Projects	Mentoring and supervision of seven BSc and four MSc theses project
4	2020-today	1. Applied Sciences; Special Issue on Big Data Analytics for Cancer Research and Precision Medicine 2. Biomedicines; Omics Approaches to Immune-	Guest Editor	Invitation of authors/submissions and reviewers, decision making on acceptance/rejection of manuscripts upon reviewers' comments

		<p>Mediated Inflammatory Diseases: Towards Novel Biomarkers and Potential Therapeutic Targets</p> <p>3. Biomedicines; Omics Approaches to Immune-Mediated Inflammatory Diseases: Towards Novel Biomarkers and Potential Therapeutic Targets vol. 2</p> <p>4. Biomedicines; Regulatory T Lymphocytes: Three Decades with Odette-and-Odile in Human Diseases</p> <p>5. Frontiers in Oncology: Immune-checkpoint Inhibitors in Anti-cancer Armamentarium: a Double-edged Sword in Risk of Developing Autoimmunity and Immune-related Adverse Effects</p>		
5	2019-today	<p>Journals:</p> <ol style="list-style-type: none"> 1. The International Journal of Immunology and Immunobiology (2017-today) 2. Obesity and Diabetes Research Journal (2019-today) 3. Annals of Molecular and Genetic Medicine (2021-today) 	Editorial board member	Review of submitted manuscripts, invitation of new authors/submissions

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	December 2002	IL-37 isoforms as potential biomarkers for human bladder cancer	8th Symposium on Advances in Cancer Immunology & Immunotherapy, Athens, Greece
2	November 2007	Outstanding Abstract Award for exceptional research in Sjögren's syndrome: "FOXP3+ T Regulatory Cells (Tregs) in the Autoimmune Lesions of Sjögren's Syndrome (SS): Correlation with the Number of the Infiltrating Dendritic Cells and Macrophages"	Sjögren's Syndrome Foundation at the 71st Annual Scientific Meeting of the American College of Rheumatology, Boston, Massachusetts, USA
3	December 2006	Best Abstract Award: Regulatory T lymphocytes (Tregs) in Sjögren syndrome (SS): correlation with progression of tissue damage	Hellenic Society for Rheumatology at the 19 th Hellenic Rheumatology Congress, Athens, Greece
4	December 2004	Best Abstract Award: Detection of enteroviral sequences in Sjögren syndrome: persistent infection of salivary gland epithelial cells	Hellenic Society for Rheumatology at the 18 th Hellenic Rheumatology Congress, Athens, Greece

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1	2006-today	26 articles in international peer-reviewed journals First/Last author in 14 Citations: 932; h-index=15 (Scopus, as of 20/07/2023)	Author/Researcher
2	2019-today	"Ambassador" Bentham Science in Greece	Promote Bentham Science journals, invitations for submission of articles

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Polycarpou
Name:	Irene
Rank/Position:	Assistant Professor
Faculty:	School of Sciences
Department:	Department of Health Sciences
Scientific Domain: *	Medical Physics

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (optional entry)
Ph.D. in Imaging Sciences	2010-2014	King's College London	Medical Physics	The impact of respiratory motion correction methods on tumour detection and quantification in (PET)
MSc in Medical Engineering and Physics	2008-2009	King's College London	Medical Engineering and Physics	Evaluation of Scatter Correction Approaches in PET
BSc in Physics	2004-2008	University of Cyprus	Physics	Attenuation correction of SPECT images using CT or Gd-156 sources.

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2014	2018	European University Cyprus	Cyprus	Lecturer and Coordinator of the program Radiodiagnostics/Radiotherapy
2017	2018	German Oncology Centre	Cyprus	Positron Emission Tomography (PET), Nuclear Medicine Medical Physicist
2013	2014	St Thomas' Hospital, King's College London	London, UK	Postdoctoral Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2017	Synthesis of Realistic Simultaneous Positron Emission Tomography and Magnetic Resonance Imaging Data	Polycarpou I , Soultanidis G and Tsoumpas C	<i>IEEE Transactions on Medical Imaging,</i>	35(3)	pp. 703-711
2	2017	Impact of respiratory motion correction on SPECT myocardial perfusion imaging using a mechanically moving phantom assembly with variable cardiac defects	Polycarpou I , Chrysanthou I, Demetriadou O, Parpottas Y, Panagidis C, Marsden P K and Livieratos L	<i>Journal of Nuclear Cardiology,</i>	24(4)	pp. 1216 – 1225
3	2015	Quantitative evaluation of PET respiratory motion correction using real time PET/MR simulated data	Polycarpou I , Tsoumpas C, King A and Marsden P K	<i>IEEE Transactions on Nuclear Science,</i>	62(6)	pp. 3110 – 3116
4	2015	Respiratory motion correction of PET using MR-constrained PET-PET registration	Balfour D, Marsden P K, Polycarpou I , Kolbitsch C and King A P	<i>BioMedical Engineering OnLine,</i>	14(85)	
5	2015	Appropriately regularized OSEM can improve the reconstructed PET images of data with low count statistic	Karaoglanis K, Polycarpou I , Efthimiou N and Tsoumpas C	<i>Hellenic Journal of Nuclear Medicine,</i>	18(2)	pp. 140–145

6	2013	Impact of respiratory motion correction and spatial resolution on lesion detection in PET: A simulation study based on real MR dynamic data	Polycarpou I , Tsoumpas C, King A and Marsden P K	<i>Physics in Medicine and Biology</i> ,	59(3)	pp. 697–713
7	2013	A 5D Computational Phantom for Pharmacokinetic Simulation Studies in Dynamic Emission Tomography	Kotasidis A, Tsoumpas C, Polycarpou I and Zaidi H.	<i>Computerized Medical Imaging and Graphics</i> ,	38(8)	pp. 764–773
8	2011	The effect of regularisation in motion compensated PET image reconstruction: A realistic numerical 4D simulation study	Tsoumpas C, Polycarpou I , Thielemans K, Green Buerger K, King A, Schaeffter T and Marsden P K	<i>Physics in Medicine and Biology</i> ,	58(6)	pp. 1759–1773
9	2012	Analysis and comparison of two methods for motion correction in PET imaging	Polycarpou I , Tsoumpas C and Marsden P K	<i>Medical Physics</i> ,	39(10)	pp. 6474–6483
10	2011	Comparative evaluation of scatter correction in 3D PET using different scatter-level approximations	Polycarpou I , Thielemans K, Manjeshwar R, Aguiar P, Marsden P K and Tsoumpas C	<i>Annals of Nuclear Medicine</i> ,	25(9)	pp. 643–649

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2018-2022	Optimizing the diagnostic value of myocardial perfusion imaging under the influence of liver activity	Biomedical Research Foundation, Cyprus Restart 2016-2020, Επιστήμες Ζωής, Πρόγραμμα Νησίδες Αριστείας EXCELLENCE/1216/0085	Partner leader / Researcher
2	2013-2014	Optimizing the diagnostic value of SPECT myocardial perfusion images under the influence of respiratory motion	Biomedical Research Foundation, Cyprus ΥΓΕΙΑ/ΔΥΓΕΙΑ/0311(BIE)/27	Partner leader / Researcher
3	2013-2014	PET-MR motion correction	Sublima, FP7 EU project (no. 241711),	Researcher
4	2012	Optimizing Diagnostic Value in SPECT myocardial perfusion imaging	Biomedical Research Foundation, Cyprus ΥΓΕΙΑ/ΔΥΓΕΙΑ/0308/11	Researcher
5	2017	Magnetic Resonance Imaging Biomarkers for Chronic Kidney Disease	COST Action CA16103	Research Team Member

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	6/2/2015 to present	Society of Medical Physicists Cyprus (ΣΦΙΚ)	Vice President	Stands-in for the President, in all duties, when the President is unavailable (i.e. Chairs the AGM's, Council and Executive Board Meetings).
2	10/12/2016 to present	Cyprus Association of Medical Physics and Biomedical Engineering (CAMPBE)	Vice President	Stands-in for the President, in all duties, when the President is unavailable (i.e. Chairs the AGM's, Council and Executive Board Meetings).
3	1/05/2018 to present	European Federation of Organizations for Medical Physics (EFOMP)	Council delegate for Cyprus	Represent Cyprus in the EFOMP. In contact with EFOMP for the newest updates on medical physics aspects. Right to vote in elections that take decisions for subjects related to the profession of medical physics in the European Union. Organization of trainings and conferences under the auspices of EFOMP.
4	20/12/2014 to 10/12/2016	Cyprus Association of Medical Physics and Biomedical Engineering (CAMPBE)	Treasurer	Keeps the Accounts of the Association and prepares its budget following the directives of Council and the President. Collects all fees and dues owed to the Association, issues receipts and makes relevant bank deposits.

				Presents Accounts for audit to any Auditors that Council may decide to appoint.
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Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Awarded by:
1			

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Panayidou
Name:	Klea
Rank/Position:	Assistant Professor
Faculty:	School of Sciences and School of Humanities and Social and Educational Sciences
Department:	Department of Health Sciences and Department of Social and Behaviour Sciences
Scientific Domain: *	Statistics

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
D.Phil.	2011	University of Oxford, UK	Statistics	Tree Learning for Variable Selection
M.Sc.	2004	University of Oxford, UK	Statistics	Meta-analysis of Clinical Trials for antidepressant drugs
B.Sc	2003	University of Warwick, UK	Mathematics and Statistics	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2016	2018	Carnegie Mellon University	USA	Postdoctoral Fellow
2015	2016	University of Pittsburgh	USA	Postdoctoral Fellow
2014	2015	University of Bern	Switzerland	Postdoctoral Fellow



Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2019	Prospective validation of a clinically applicable molecular prognostication panel for clival chordoma	Zenonos G et al.	Journal of Neurosurgery	130	1409-1788
2	2018	Global trends in CD4 count at start of antiretroviral treatment: collaborative study of treatment programs.	Anderegg, N. et al.	Clinical Infectious Diseases	66(6)	893-903
3	2018	Global temporal changes in the proportion of children with advanced disease at the start of combination antiretroviral therapy in the era of changing criteria for treatment initiation	Panyidou K et al.	Journal of International AIDS Society	21(11)	e25200
4	2016	GetReal in mathematical modelling: a review of studies predicting drug effectiveness in the real world	Panayidou, K et al.	Research Synthesis Methods	3(3)	264-277
5	2016	GetReal in network meta-analysis: a review of the methodology	Efthimiou O et al.	Research Synthesis Methods	7(3)	236-263
6	2015	Individual Patient meta-analysis: a review of the methodology. <i>Research Synthesis Methods</i>	Debray TPA et.al	Research Synthesis Methods	6(4)	293-309
7	2012	Phenotype-Genotype correlation in X linked	Tsiakkis et al.	Clinical Genetics	83(3)	297-299

		Alport Syndrome Patients carrying missense mutations in the collagenous domain of COL4A5				
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
2					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1				
2				

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1			
2			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			
2			

/ Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Nomikos
Name:	Iakovos
Rank/Position:	Scientific Collaborator
Faculty:	Sciences
Department:	Life Sciences
Scientific Domain: *	General Surgery, Surgical Oncology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MD	1975	University of Athens	Medical School	
PhD	1980	University of Athens	Medical School	<p>Peritoneal lavage with or without chloramphenicol in the treatment of diffuse peritonitis. A prospective clinical trial.</p> <p>Doctorate thesis. Medical School of Athens University, Athens, 1980.</p> <p>Published in : Surgery 1986; 99: 20-25</p>
Fellow American College of Surgeons (FACS)	1990	American College of Surgeons		
Assistant Professor	1994	University of Athens		

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1.	2020	Iakovos N. Nomikos <u>Surgical Volunteerism</u>		Hell Cheirurgike. 2020; 92(1): 3–6. Published online 2020 May 27. doi: 10.1007/s13126-020-0533-z PMCID: PMC7251047 . (Published by Springer)		
2.		Iakovos N Nomikos <u>Surviving the COVID - 19 Pandemic Resurgence: Not Easy but Achievable.</u>		Hell Cheirurgike. 2020;92(5):155-158. doi: 10.1007/s13126-020-0567-2. Epub		
3.	2020	Iakovos N Nomikos <u>What Else but Covid-19 Pandemic? Lessons Learned</u>		Hell Cheirurgike. 2020; 92(2): 41–45. Published online 2020 Jul 11. doi: 10.1007/s13126-020-0544-9 PMCID: PMC7352083		
4.	2020	Iakovos N. Nomikos <u>The Importance of Resilience and</u>		Hell Cheirurgike. 2020; 92(3):		

		<u>Resolution in the COVID-19 Era. A Surgeon's View</u>		97-99. Published online 2020 Oct. doi: 10.1007/s13126-020-0554-7 PMCID: PMC7569354		
5.	2019	, Nomikos IN Social media networking in Medicine and Surgery		Hellenic Journal of Surgery 2019; 91 (3): 115-118.		
6.	2019	Nomikos IN Surgery at the end of life. Is it necessary?		Hellenic Journal of Surgery 2019; 91 (2): 62-64. (Published by Springer)		
6	2019	Nonikos IN. Personalized Medicine, Precision Surgical Oncology and the Surgeon's Role.		Hellenic Journal of Surgery 2018; 90 (4):169-171 Published by Springer		
7		<u>Karapanos Konstantinos,</u> Nomikos Iakovos. Current Surgical Aspects of Palliative Treatment for Unresectable Pancreatic Cancer.		Cancers: 3, 636-651, 2011		
8		<u>Nikolaos Perrakis,</u> <u>Evangelos Athanassiou,</u> <u>Dimitra Vamvakopoulou,</u> <u>Maria Kyriazi, Haris</u>		World J Gastroenterol 2011 September 21; 17(35): 4013-4016		

		<u>Kappos, Nikolaos C</u> <u>Vamvakopoulos, Iakovos</u> Nomikos Practical approaches to effective management of intestinal radiation injury: Benefit of resectional surgery				
9		I N Nomikos , Y Wang, K J Lafferty: Involvement of O2 radical in "autoimmune" diabetes.		Immunology and Cell Biology 67: 85-87, 1989 (Pt1)(1).DOI:10.1038/icb.1989.12		
10		I N Nomikos , S J Prowse, P Carotenuto, K J Lafferty: Combined Treatment With Nicotinamide and Desferrioxamine Prevents Islet Allograft Destruction in NOD Mice.		Diabetes 135: 1302-1305, 1986 2/1986; 35(11). DOI:10.2337/diabetes.35.11.1302		
		I N Nomikos: Is sepsis the only possible harmful consequence of splenectomy?.		New England Journal of Medicine 311: 198, 1984 08/1984; 311(3). DOI:10.1056/NEJM198407193110323		
CHAPTERS IN BOOKS		Nomikos IN The history of hospitals in Piraeus: Tzanion		in: Bramis I The Surgery of Greeks through the		

		General Hospital and Metaxa Cancer Memorial Hospital.		Centuries, Militos publishing company, Vol' 3, Pages: 83-94, Athens November 2018		
LECTURES (by invitation)		<p>Nomikos IN. (Lecturer) Surgical infections. The Role of Surgeon</p> <p>Nomikos IN. (Lecturer) Melanoma: Diagnostic and Therapeutic Approach</p> <p>Nomikos IN. (Lecturer) Qualitative characteristics of a successful surgeon</p> <p>Nomikos IN (lecturer) Acute Abdomen during Pregnancy</p> <p>Nomikos IN Management of acute abdomen in pregnancy</p>		<p>Annual Congress of Society of Surgical Infections Athens, November 2018. Grand Rounds in Surgery, Athens University, Department of Surgery, Areteion Hospital, January 2019.</p> <p>14o Greek – Cypriot Surgical Meeting November 17, 2019 Limassol, Cyprus Grand Rounds Rea Maternity Hospital, February 20, 2023</p> <p>Webinar, International Association of Student Surgical Societies (IASSS) March 2, 2023</p>		

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Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
Jan 2019	Currently	Private Practice 1. Metropolitan Gen Hospital 2. Rea Maternity Hospital	Athens, Greece	Collaborator
September 2019 April 2022	April 2022 Currently	European University Cyprus European University Cyprus	Nicosia Cyprus Nicosia Cyprus	Scientific Collaborator Adjunct Assis Professor of Surgery r
Jan 2004	Dec 2018	“METAXA Cancer Memorial Hospital	Piraeus, Greece	Director & Chairman Department of Surgery
May 1987	Jan 2004	“Tzanion” General Hospital	Piraeus, Greece	Associate Director, Department of Surgery
1989	1994	National and Kapodistrian University of Athens	Athens, Greece	Lecturer in Surgery
1994	2001	“” “”	“” “”	Assistant Professor of Surgery

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1		Papaoiannou AN, Nomikos IN.	International	San Francisco, October 1987	Co-Investigator

		Complete axillary dissection may be detrimental to the host. 73rd Congress of American College of Surgeons.			
2		Omar Rawhi, Nomikos IN , Piccorelli G, Savino JA, Agarwal N. Prevention of post ischemic liver cell injury by iron chelation. III International Resuscitation Days - Survival Under Critical Life Conditions.	International	Rome, Italy, 1989.	Principal Investigator (PI)
3		Nomikos IN , Notis F, Kyriakou K. Intra-abdominal approach for complicated hernias of the inguinal region. 78th Annual Congress of American College of Surgeons.	International	New Orleans, October 1992.	PI
4		Nomikos IN , Notis F, Kyriakou K. Surgical treatment of gynecomastia. 82nd Annual Congress of American College of Surgeons.	International	San Francisco, October 1996.	
5		Nomikos IN , Notis F, Kyriakou K. Acute pancreatitis. Where we are? 79th Annual Congress of American College of Surgeons.	International	San Francisco, October 1993.	PI

6		<p>Nomikos IN, Stratigos P, Farmakis N, Chimona Th, Papatheofanis J.</p> <p>Conditions affecting the delivery dependent oxygen consumption in critical illness.</p> <p>XXXIIIrd Congress of European Society of Surgical Research, Posters and Videos Book, edited by P. Rigotti, p. 56.</p>	International	Padua, Italy, April 1998.	PI
7		<p>Nomikos IN, <u>Vamvacopoulos NK</u>.</p> <p>Need for functional and specific treatment-responsive staging of acute surgical illness.</p> <p>6th World Congress on Trauma, Shock, Inflammation and Sepsis – Pathophysiology, Immune Consequences and Therapy.</p>	International	Munich, Germany, March 2004.	PI
8		<p><u>Perrakis N, Athanasiou A, Ntatsis K, Kyriazi Maria, Kappos Th, Boudouris J, Nomikos IN</u>.</p> <p>The changing template of retroperitoneal lymph node dissection in germ cell tumors.</p> <p>96th Annual Congress of American College of Surgeons. .</p>	International	Washington DC, October 3-7, 2010	Co-Investigator
9		<p><u>Georgopapadakos N, Kalatzis Ch, Manoli Arezina, Papakitsou</u></p>	Local / International	November 12-15, 2014, Athens Greece	PI

		<p><u>Fotini, Kokkinos Ch, Perakis N, Nomikos IN.</u> Neuroendocrine tumors. Quality of life and quantity of survival. 29th Panhellenic Congress of Surgery and International Surgical Forum.</p>			
10		<p><u>Kontis EI, Perrakis N, Politidis V, Maniatis Ch, Ntatsis K, Nomikos IN.</u> Right-Sided temporary loop colostomy. A simple and safe alternative to protective loop ileostomy after low anterior resection.</p> <p>American College of Surgeons Annual Clinical Congress 2015</p>	International	Chicago, October 4-8 2015	Co - investigator

For more information please refer to : www.iakovosnomikos.com

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	1985-1990	<p>Basic Research</p> <p>Transplantation Biology</p> <p>Pancreatic Islet Transplantation for IDDM (mechanisms of graft destruction)</p>	University of Colorado HSC, Denver CO	Research Team

	1986-1987	Ischaemia - reperfusion injury	New York Medical College New York, NY	Research Team
2	1980	Applied Research Peritoneal infections	Evangelismos Medical Ctr, Athens, Gr	Principal Investigation
	1980	Neo adjuvant chemotherapy of solid tumors	Evangelismos Medical Ctr	Research Team
	2005 - currently		Metaxa Cancer Memorial Hospital	
	1987	Metabolism of critically ill surgical Patient	Dpt of Surgery, New York Medical College	Research team
	2000	Functional staging of acute surgical illness	University of Athens, University of Thessaly	Principal investigator
3		Pre and postoperative chemotherapy with or without anticoagulation for colorectal cancer. Clinical Oncology Vol. 5: 189-190, 1979.		Research Team (A.N. Papaioannou, J.N. Nomicos , G. Stathopoulos, A. Avgoustis, J. Olympitis)

		<p>Chemotherapy as the Initial Management of patients with Colorectal Cancer. In "International Symposium of Chemotherapy Preceding Surgery or Irradiation in Cancer Medicine". DJ. Wagener (Ed.) Alan R. Liss, Inc, New York. Primary Chemotherapy in Cancer Medicine p. 317-338, 1985.</p> <p>Chemotherapy with or without anticoagulation as initial management of patients with operable colorectal cancer: A prospective study with at least five years follow-up. Recent Results in Cancer Research Springer-Verlag, Heidelberg, Vol. 103. 135-141, 1986.</p> <p>Chemotherapy as the Initial Management of Patients with Operable Gastric Cancer. A Prospective Study. In "Recent Results in Cancer Research" First International Symposium on Neoadjuvant Chemotherapy. J. Ragaz, E.A. Golden (Eds.). Springer-Verlag, Heidelberg. Recent Results in Cancer Research, Vol. 103 : 142-147, 1986.</p>		<p>Research Team</p> <p>(Papaioannou AN, Polychronis A, Plataniotis G, Tsamouri M, Kozonis J, Nomikos J)</p> <p>Research Team</p> <p>(AN Papaioannou, A Polychronis, JA Kozonis, IN Nomikos, M Tsamouri, GA Plataniotis, GK Papageorgiou)</p> <p>Research Team</p> <p>(Papaioannou AN, Kozonis J, Polychronis A, Nomikos J, Plataniotis G, Papageorgiou GK)</p>
4	2005	Neo-adjuvant chemo-irradiation in the treatment of rectal cancer	"Metaxa" Cancer Memorial Hospital, Piraeus Greece	Co-investigator

5	1986	Effect of Cyclosporine on immunologically mediated diabetes in NOD mice. Transplantation 46: 101S-106S, 1988.	University of Colorado HSC, Denver USA	Co- investigator (Wang Yi, McDuffie M, Nomikos IN , Liming Hao, Lafferty KJ)
6	1987	Involvement of O ₂ radicals in Autoimmune Diabetes. Immunol Cell Biol 67: 85-87, 1989.	University of Colorado HSC, Denver USA	Principal Investigator (Nomikos IN , Wang Yi, Lafferty KJ)
7	1987	Prevention of postischemic lipid peroxidation and liver cell injury by iron chelation. Gut 1989; 30(4): 510-514.	New York Medical College New York	Co-investigator (R Omar, I Nomikos , G Piccorelli, J Savino, N Agarwal)
8	1980	Washing with or without chlorphenicol in the treatment of peritonitis. A prospective clinical trial. Surgery. 99 : 20 - 25, 1986.	Evangelismos Medical Ctr, Athens, Greece	Principal Investigator (Nomikos IN , Katsouyianni Kl., Papaioannou AN)

For more information please refer to: www.iakovosnomikos.com

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
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1	April 2016- December 2018 -	Greek Ministry of Health	Examining Committee for the specialty of General Surgery	Examiner Boards in Surgery
2	Since 2017	Journal of International Surgery and Surgical Procedures	Member of Editorial Board	
3	2017 -2022	Hellenic Journal of Surgery	Editor -in- Chief	
4	2010-Currently	American College of Surgeons (Greek Chapter)	Officer	Treasurer
5	2021- Currently	Rea Maternity Hospital	Tumor Board	Member

For more information please refer to: www.iakovosnomikos.com

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
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1	1970-1976	Scholarship: Medical School of Athens University	National Foundation of Scholarships of Greece
2	1986-1988	Scholarship : Transplantation of solid organs	National Foundation of Scholarships of Greece
3	Since 1990	Recognition: Data from my curriculum have been published in "Who's Who in the World" and "Who's Who in Medicine and Health Care"	Marquis Who's Who
4	2014	Award: for my voluntary contribution in the care of patients and suffering people.	The Holy Metropolis of Syros and other Cycladian Islands
5	2015	Award : for my medical services provided to our community and my stable performance in athletics as a long distance runner (marathon race finisher 45 times)	The Piraeus Runners Club
6	2020	Associate Member of the Academy of Master Surgeon Educators	American College of Surgeons

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
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1	1987 - currently	Long distance runner (Marathon runner)	Finisher in 53 national and international marathon races (up to October 2022)
2	1996 - currently	Pilot in command, single engine land	
3	2011	Byzantine music (ptychion)	
4		Flute	

For more information please refer to: www.iakvosnomikos.com

Academic Personnel Short Profile / Short CV

University:	European University
Surname:	Georgiou
Name:	Andrea
Rank/Position:	Scientific Collaborator
Faculty:	
Department:	School of Sciences
Scientific Domain: *	Epidemiology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Medical Genetics	2017	Cyprus School of Molecular Medicine	Neurology Clinic D	Genetic Epidemiology of Parkinson's disease
MSc in Human Molecular Genetics	2010	Imperial College London	Medicine	Genetic Epidemiology of myopia complex trait
BSc in Molecular Biology and Genetics	2008	Democritus University of Thrace	Molecular Biology Genetics	Genetic polymorphisms associated with the encountering of stress induced situations

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
March 2020	Today	University of Ioannina	Ioannina, Greece	Post-Doctoral Researcher
October 2020	Today	European University Cyprus	Nicosia, Cyprus	Scientific Collaborator
May 2019	Feb 2020	University of Cyprus	Nicosia, Cyprus	Special Research Scientist
September 2018	May 2019	Cyprus Institute of Neurology and Genetics	Nicosia, Cyprus	Post-Doctoral Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	The causal relationship between average alcohol consumption and risk of atrial fibrillation: a Mendelian randomization study	Georgiopoulos G, Evangelou E.	Circulation: Genomic and Precision Medicine		
2	2022	Investigating modifiable pathways in psoriasis: a Mendelian randomization study	Chalitsios C, Bouras E, Tzoulaki J	Journal of the American Academy of Dermatology		
3	2022	Chapter in Quantitative Genetics, Human Molecular Genetics	Evangelou E, Tzoulaki J	UTOPIA, Greece		
4	2021	A systematic review of the methodology in phenome-wide association studies	Wang L, Zhang X, Meng X, Koskeridis F	Medical Genetics Journal		
5	2021	Georgiou N. A, et al. Prediction of Parkinson's disease risk based on genetic profile and established risk factors. Genes. 2021	Chairta P, Hadjisavvas A, Yiangou K, Zamba-Papanicolaou E	Genes		
6	2020	Dementia incidence in the elderly population of Greece: results from the HELIAD study, Dementia incidence in the elderly population of	Vlachos SG, Kosmidis M, Yannakoulia M, Dardiotis E	Alzheimer Disease and Associated Disorders		

		Greece: results from the HELIAD study				
7	2020	Cigarette smoking, coffee consumption, alcohol intake and risk of Crohn's disease and Ulcerative Colitis: A Mendelian randomization study	Ntritsos G, Papadimitriou N, Dimou N, Evangelou E.	Inflammatory Bowel Diseases		
8	2020	Impact of heat exposure on health during a warm period in Cyprus.	Pantavou K, Giallouros, G, Lykoudis, S, Markozannes, G,	Euro-Mediterranean Journal for Environmental Integration	5	
9	2019	Genetic and environmental factors contributing to Parkinson's disease: a case-control study in the Cypriot population	Demetriou CA, Christou Y, Heraclides A, Leonidou E, Loukaides P, Yiasoumi E, Pantzaris M, Zamba-Papanicolaou E	Frontiers in Neurology	10	
10	2017	Mitochondrial superclusters influence age of onset of Parkinson's disease in a gender specific manner in the Cypriot population: A case-control study.	Demetriou CA , Heraclides A , Christou YP , Leonidou E , Loukaides P , Yiasoumi E , Panagiotou D , Manoli P , Thomson P , Zamba-Papanicolaou E	Plos One	9	

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
2					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	12/2022- Today	AgriCYGen	Horizon 2020 – European Union	Post-doctoral Researcher
2	03/2020- 10/2022	Investigating molecular pathways linking inflammation to cardiovascular diseases	ELIDEK	Post-doctoral Researcher
3	05/2018- 02/2020	Monitoring, Evaluating and Reviewing of Health Services, Patient Satisfaction and Employee Engagement in the National Health System of Cyprus	OKYPY	Special Research Scientist
4	02/2018- 08/18	Mendelian Randomization on complex human traits	Erasmus+	Post-doctoral Researcher
5	09/2018-Now	Genetic and epigenetic biomarkers for early onset Parkinson’s disease.	Michael J Fox	Post-doctoral Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2023	COFUND fellowship	Onisilos H2020- Marie Sklodowska Curie Actions
2	2018	Differential mitochondrial methylation and hydroxymethylation in Parkinson's disease diagnosis and progression	The Michael J. Fox Foundation
3	2014-2016	Grant for 2nd, 3rd and 4th years of the PhD Studies.	A. G. Leventis Foundation
4	2006	Academic performance Scholarship on 2nd year of BSc.	Democritus University of Thrace

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			
2			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Sophocleous
Name:	Antonia
Rank/Position:	Assistant Professor in Biochemistry
Faculty:	School of Sciences
Department:	Department of Life Sciences
Scientific Domain: *	Osteoporosis, osteoarthritis, medical cannabis, microbiome, cancer

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctor of Philosophy (PhD) in Molecular Medicine	2005-2009	The University of Edinburgh	Department of Rheumatic Diseases, UK	The Role of Cannabinoid Receptor 2 (CB2) in Bone Metabolism
Bachelor of Science (BSc Hons) in Molecular Biology and Biochemistry	2001-2004	Durham University	Department of Biological Sciences, UK	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
September 2020	Present	European University Cyprus	School of Sciences	Assistant Professor in Biochemistry
September 2016	August 2020	European University Cyprus	School of Sciences	Lecturer in Biochemistry
2016	Present	The University of Edinburgh, CGEM, IGMM	Department of Rheumatic Disease	Honorary Fellow
2009	2016	The University of Edinburgh, CGEM, IGMM	Department of Rheumatic Diseases	Post Doctoral Research Fellow

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	TRAF6 as a potential target in advanced breast cancer: a systematic review, meta-analysis, and bioinformatics validation.	Zeng F., Carrasco G., Li B., Sophocleous A. , Idris A.I.	Sci Rep.	13(1)	4646
2	2023	Probiotics Inhibit Cartilage Damage and Progression of Osteoarthritis in Mice	Sophocleous A. , Azfer A., Huesa C., Stylianos E., Ralston S.H.	Calcif Tissue Int.	112(1)	66-73
3	2022	Effects of zoledronic acid on osteosarcoma progression and metastasis: systematic review and meta-analysis	Christou A, Ferreira N, Sophocleous A.	Clin Exp Med.	10	NA
4	2022	Association of cannabinoid receptor modulation with normal and abnormal skeletal remodelling: A systematic review and meta-analysis of in vitro, in vivo and human studies.	Sophocleous A. , Yiallourides M., Zeng F., Pantelas P., Stylianos E., Li B., Carrasco G., Idris A.I.	Pharmacol Res.	175	105928
5	2022	Dexamethasone Administration in Mice Leads to Less Body Weight Gain over Time, Lower Serum Glucose, and Higher Insulin Levels Independently of NRF2.	Filippopoulou F., Habeos G.I., Rinotas V., Sophocleous A. , Sykiotis G.P., Douni E., Chartoumpakis D.V.	Antioxidants (Basel).	11(1)	4
6	2021	Targeted Inactivation of Rin3 Increases Trabecular Bone Mass by Reducing Bone Resorption and Favouring Bone Formation.	Vallet M., Sophocleous A. , Törnqvist A.E., Azfer A., Van't Hof R., Albagha O.M.E., Ralston S.H.	Calcif Tissue Int.	109(1)	92-102
7	2017	Combined deficiency of the Cnr1 and Cnr2 receptors protects against age-related bone loss by osteoclast inhibition.	Sophocleous A. , Marino S., Kabir D., Ralston S.H. and Idris A.I.	Ageing Cel	16 (5)	1051-1061.

8	2017	Heavy cannabis use is associated with low bone mineral density and an increased risk of fractures.	Sophocleous A. , Robertson R., Ferreira N.B., McKenzie J., Fraser W.D. and Ralston S.H.	Am. J. Med.	130 (2)	214-221
9	2015	Bone cell-autonomous contribution of type 2 cannabinoid receptor to breast cancer induced osteolysis.	Sophocleous A. , Marino S., Logan J.G., Mollat P., Ralston S.H. and Idris A.I.	Journal of Biological Chemistry	290 (36)	22049-22060
10	2015	The type 2 cannabinoid receptor regulates susceptibility to osteoarthritis in mice.	Sophocleous A. , Börjesson A.E., Salter D.M. and Ralston S.H.	Osteoarthritis and Cartilage	23 (9)	1586-1594.

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	07 – 10 May 2022	Zoledronate in combination with chemotherapy and surgery: Friend or foe in patients with osteosarcoma? A systematic Review and Meta-Analysis	International (49th European Symposium on Calcified Tissues)	Live (Finland) and virtual congress	Poster presentation
2	6–8 May 2021	The anti-inflammatory potential of probiotics on skeletal diseases: Systematic review and meta-analysis of randomised controlled trials	International (48th European Symposium on Calcified Tissues)	Virtual congress	Oral and poster presentation
3	22 - 24 October 2020	Probiotics prevent cartilage damage and progression of osteoarthritis in mice	International (47th European Symposium on Calcified Tissues)	Virtual congress	Oral and poster presentation
4	11 – 14 May 2019	Evidence that the intestinal microbiome regulates susceptibility to osteoarthritis in mice	International (46th European Symposium on Calcified Tissues)	Budapest, Hungary	Oral presentation
5	15 - 17 November 2018	Heavy recreational cannabis use negatively impacts on bone health – A cross-sectional study.	Local (6th International Multithematic Scientific Bio-Medical Congress (IMBMC))	Nicosia, Cyprus	Oral and poster presentation

6	17 – 20 May 2014	Type 2 cannabinoid receptor protects against osteoarthritis in mice	International (41st European Symposium on Calcified Tissues)	Prague, Czech Republic	Oral presentation
7	18 – 21 May 2013	Heavy cannabis use negatively impacts on bone density: a population based prospective study	International (40th European Symposium on Calcified Tissues)	Lisbon, Portugal	Oral presentation
8	19 – 23 May 2012	Combined deficiency of the CB1 and CB2 receptors enhances peak bone mass by inhibiting osteoclast differentiation but increases age-related bone loss by promoting adipocyte differentiation and reducing osteoblast differentiation.	International (39th European Symposium on Calcified Tissues)	Stockholm, Sweden	Oral presentation
9	7 – 11 May 2011	The CB2 receptor regulates osteoclast formation, breast cancer cell migration and osteoclast/tumour cell interaction via the PI3 kinase/AKT pathway	International (3rd joint meeting ECTS/IBMS)	Athens, Greece	Oral presentation
10	23 – 27 May 2009	The type 2 cannabinoid receptor (CB2) protects against age-related osteoporosis by affecting bone formation and CB2 agonists exhibit anabolic activity in vivo	International (36th European Symposium on Calcified Tissues)	Vienna, Austria	Oral presentation

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	July 2016 - Present	The role of microbiome in osteoarthritis development	Genomic and Experimental Medicine (CGEM), University of Edinburgh	Scientific coordinator
2	02/01/2008 - 01/07/2015	Regulation of bone metabolism by cannabinoid receptors: mechanisms of action and implications for the treatment of bone disease	Arthritis Research UK	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	January 2022 - Present	European Calcified Tissue Society (ECTS)	Abstract reviewer for the ECTS Congress	Reviewing abstracts
2	09/11/2021 – Present	The University of Edinburgh	Ethics application reviewer for the Usher Masters Research Ethics Group (UMREG)	Reviewing ethics applications
3	01/01/2021 – Present	European Calcified Tissue Society (ECTS)	Co-Editor of the European Calcified Tissue Society (ECTS) Newsletter	Co-Editor
4	07/07/2020 – Present	The European Commission	MC Substitute of COST Action CA18139, GENomics of MusculoSkeletal traits TranslatiOnal (GEMSTONE) Network	MC Substitute
5	January 2019 – Present	HubLE (The IFMRS knowledge platform); IFMRS = International Federation of Musculoskeletal Research Societies	Co-chair	Member of the editorial board

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	22/08/2022	Certification: Fellow of Higher Education Academy (FHEA) (Fellowship reference: PR244607)	Higher Education Academy
2	2013	40th European Symposium on Calcified Tissues	Lisbon, Portugal
3	2012	39th European Symposium on Calcified Tissues	Stockholm, Sweden
4	2011	3rd joint meeting ECTS/IBMS	Athens, Greece
5	2010	10th International Meeting on Cancer Induced Bone Disease	Sheffield, UK
6	2010	37th European Symposium on Calcified Tissues	Glasgow, UK

7	2009	36th European Symposium on Calcified Tissues	Vienna, Austria
8	2008	35th European Symposium on Calcified Tissues	Barcelona, Spain
9	2008	International Bone and Mineral Society	Davos, Switzerland
10	2007	34th European Symposium on Calcified Tissues	Copenhagen, Denmark

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	09/12/2020 – Present	Committee member	Participated in the Usher Institute Dissertation enhancement group, The University of Edinburgh
2	19/12/2018 – Present	Interview committee member	Interview committee member for the employment of part-time staff at the Life Sciences Department of EUC
3	24/09/2018 – Present	Coordinating final year project	Final year undergraduate project coordinator for the BSc Biological Sciences
4	2011 - Present	Reviewer of Scientific Journals	Peer reviewing articles https://publons.com/a/1278279)
5	10/02/2020 – 14/02/2022	Coordinating placement and practical exercise	Placement and Practical Exercise coordinator for the BSc Biological Sciences
6	10/02/2020 – 04/10/2021	Programme coordinator	BSc Biological Sciences Programme coordinator
7	08/04/2019 – 12/04/2019	Organising committee member	2nd Erasmus+ International Teaching Week
8	23/04/2018 – 27/04/2018	Organising committee member	1st Erasmus+ International Teaching Week
9	01/01/2017 – 30/09/2020	ERASMUS contact point	ERASMUS contact point for the School of Sciences
10	2005-2009	Principal's Scholarship, University of Edinburgh (PhD Scholarship)	PhD

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	APOSTOLOU
Name:	THEOPHYLAKTOS
Rank/Position:	SCIENTIFIC COLLABORATOR
Faculty:	SCHOOL OF SCIENCES
Department:	LIFE SCIENCES
Scientific Domain: *	BIOTECHNOLOGY

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctorate	2021	Agricultural University of Athens	Biotechnology	Development of advanced cellular and molecular biosensors for the study of neurotransmitter interaction and prospects for applications in Biology and Medicine
Bachelor	2013	Agricultural University of Athens	Agricultural Biotechnology	Comparative study of cell biosensor organology for the determination of 2,4,6-trichloroanisole

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	A Cell-Based Bioelectric Biosensor for Salmonella spp. Detection in Food	Konstantinou L, Varda E, Pempetsiou S, Loizou K, Dougiakis L, Inglezakis A, Hadjilouka A	Proceedings	35 (1)	4
2	2022	Effect of Cold Atmospheric Plasma on SARS-CoV-2 Inactivation: A Pilot Study in the Hospital Environment	Loizou C, Kniazeva V, Kornev A, Kostevitch S, Roslyakov E, Constantinou C, Hadjihannas L	COVID	2	1396-1404
3	2021	Development and performance characteristics evaluation of a new Bioelectric Recognition Assay (BERA) method for rapid Sars-CoV-2 detection in clinical samples	Kyritsi M, Vontas A, Loizou K, Hadjilouka A, Speletas M, Mouchtouri V, Hadjichristodoulou C	Journal of Virological Methods	293	11416 6
4	2020	A Cell-Based Biosensor System for Listeria monocytogenes Detection in Food	Hadjilouka A, Loizou K, Dougiakis L, Inglezakis A, Tsaltas D	Proceedings	60 (1)	49
5	2020	Newly Developed System for the Robust Detection of Listeria monocytogenes Based on a Bioelectric Cell Biosensor	Hadjilouka A, Loizou K, Dougiakis L, Inglezakis A, Tsaltas D	Biosensors	10 (11)	178
6	2020	Newly Developed System for Acetamiprid Residue Screening in the Lettuce Samples Based on a Bioelectric Cell Biosensor	Loizou K, Hadjilouka A, Inglezakis A, Kintzios S	Biosensors	10	8

7	2019	Assessment of Cypermethrin Residues in Tobacco by a Bioelectric Recognition Assay (BERA) Neuroblastoma Cell-Based Biosensor	Mavrikou S, Denaxa N.-K, Paivana G, Roussos P.A, Kintzios S	Chemosensors	7	58
8	2019	Impedance study of dopamine effects after application on 2D and 3D neuroblastoma cell cultures developed on a 3D printed well	Paivana G, Mavrikou S, Bampakos D, Kaltsas G, Kintzios S	Chemosensors	7	6
9	2018	Evidence of near-instantaneous distant, non-chemical communication between neuronal (human SK-N-SH neuroblastoma) cells by using a novel bioelectric biosensor	Kintzios S	Journal of Consciousness Studies	25	62-74(13)
10	2017	Study of the dopamine effect into cell solutions by impedance analysis	Paivana G, Kaltsas G, Kintzios S	Journal of Physics: Conference Series	931(1)	012010

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	2023	PoLS	RIF	Principle Investigator
2	2023	PENFA	EU_DEMETER	Researcher
3	2022	Gridiron	EU-DIH	Researcher
4	2022	MySens	RIF	Principle Investigator

5	2021	Air paRTicle SARS detection	RIF	Researcher
6	2020	Robust sars-CoV-2 detection with BELD	RIF	Scientific Coordinator
7	2020	Listeria Biosensor	RIF	Research Assistant
8	2020	DIACMOND	RIF	Research Assistant
9	2019	PROMIoTOR	EU-TETRAMAX	Research Assistant

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2015-2018	Scholar in the context of the doctoral dissertation	AG Leventis Foundation
2	2013	Excellence Award	Agricultural University of Athens
3	2013	Praise as one of the two graduates of the Agricultural University of Athens who achieved the highest marks and completed their studies within the five-year period	Syngenta Hellas
4	2010-2012	Scholarship and Award for 2nd, 3rd and 4th academic year of study as the only student who achieved the highest marks	Greek State Scholarships Foundation

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Themistocleous
Name:	Sophia
Rank/Position:	Lab/Studio Technician
Faculty:	School of Sciences
Department:	Life Sciences
Scientific Domain: *	Forensic Science and Biochemistry

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MSc	2017	Kings College London	Life Sciences and Medicine	Improving the M-Vac system in collecting Biological evidence
BSc	2016	University of East London	Life Sciences	Forensic Phenotyping by Means of SNP Analysis to Establish Facial Portraits

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2021	Present	European University Cyprus	Nicosia, Cyprus	Lab/Studio Technician
2018	2020	European University Cyprus	Nicosia, Cyprus	Lab Assistant

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	Serine-Arginine Protein Kinase 1 (SRPK1) as a Prognostic Factor and Potential Therapeutic Target in Cancer: Current Evidence and Future Perspectives.	Nikas P.I. , Paschou S.A., Tsamis I.K., Ryu H.S.,	Cells 2020	9	
2	2021	Clinical significance of P-class pumps in cancer (Review)	Yiallouris A., Tsioutis C., Zaravinos A., Johnson O.E., Patrikios I.	Oncology Letters	22	
3	2021	Shift to emergency remote preclinical medical education amidst the Covid-19 pandemic: A single-institution study	Nikas P.I., Lamnisos D., Meletiou-Mavrotheris M., Pieridi C., G. Mytilinaios D., Michaelides C., Johnson O.E	Anatomical Sciences Education	15	27-41
4	2022	VACCELERATE Volunteer Registry: A European study participant database to facilitate clinical trial enrolment	Jon Salmanton-García, Fiona A. Steward, Sarah Heringer, Markela Koniordou, Elena Álvarez-Barco, Christos D. Argyropoulos, Paula Valle-Simón, Orly Spivak, Lenka Součková, Christina Merakou , Maria Amélia Mendonç, Ruth Joanna Davis, Anna Maria Azzini, Helena H. Askling, Sirkka Vene, Pierre Van Damme, Angela Steinbach, George	Vaccine	40	4090-4097

			Shiamakkides, Danila Seidel...Zoi-Dorothea Pana			
5	2022	Comparison of the diagnostic performance of Magnetic Resonance Imaging (MRI), ultrasound and mammography for detection of breast cancer based on tumor type, breast density and patient's history: A review	N. Aristokli, I. Polycarpou, D. Sophocleous, I. Mamais	Radiography	28	848-856
6	2023	Key genes expressed in mitochondria-endoplasmic reticulum contact sites in cancer (Review)	Christodoulou P, Kyriakou T.C., Filippou C., Zaravinos A., Yiallouris A.	Oncology Reports	49	

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
2					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2021	VACCELERATE- European Corona Vaccine Trial Accelerator Platform	HORIZON 2020	TBC
2	2021	EXITCAN: Exercise Interventions in Children with Cancer	Erasmus+	

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1			
2			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			
2			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Emmanouil-Nikoloussi
Name:	Elpida-Niki
Rank/Position:	Professor
Faculty:	School of Dentistry
Department:	Department of Dentistry
Scientific Domain: *	Histology-Embryology and Teratology, Oral Pathology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
1. PhD Diploma at the School of Dentistry at the Aristotle University of Thessaloniki Greece With a National Scholarship of National Scholarships Foundation-IKY, Athens Greece on Stomatology-Oral Surgery, Oral Medicine, Oral Pathology	1985	Aristotle University of Thessaloniki Greece	School of Dentistry	The 'in vivo' influence of oral antiseptic solutions at the oral salivary microbial flora
2. PhD Diploma at the School of Dentistry at the Aristotle University of Thessaloniki Greece on Histology-Embryology	1990	Aristotle University of Thessaloniki Greece	School of Medicine	The Embryological and Histological Development of Tongue's papillae. Experimental study with Light and Transmission Electron

				Microscope-TEM at the white rat embryo
Diploma, School of Medicine	1990	Aristotle University of Thessaloniki Greece	School of Medicine	
Diploma, School of Dentistry	1970	Aristotle University of Thessaloniki Greece	School of Dentistry	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2008	2014	Aristotle University of Thessaloniki Greece	Thessaloniki Greece	Professor
2014	Today	Aristotle University of Thessaloniki Greece	Thessaloniki Greece	Emeritus Professor
2014	Today	European University Cyprus-EUC	Nicosia-Cyprus	Professor

Key <i>refereed</i> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Valproic acid induced selective apoptosis of ocular fibrous	KYRIAKOS MANTHOS, PASCHALIS THEOTOKIS, IASONAS	Birth Defects Research.	August 2022, In Press, Publish	https://doi.org/10.1002/

		tunic in mice fetuses.	DERMITZAKIS, ELENI AVRAMIDOU, SOULTANA MEDITSKOU, MARIA ELENI MANTHOU, ELPIDA-NIKI EMMANOUIL-NIKOLOUSSI.		ed Online:	bdr2.2076
2	2022	The association of chromosomal abnormalities with embryo ultrastructure, spindle anomalies and metabolic profiling .	A CHATZIMELET IOU, A SIOGA, E.N EMMANOUIL-NIKOLOUSSI, N PETROGIANNIS, A PATRIKIOU, I GEORGIOU, G THEODORIDIS , C VIRGILIOU, E GIKA, N RAIKOS, E KOLIBIANAKIS , K NICOLAIDES, A HANDYSIDE, B TARLATZIS, G GRIMBIZIS.	Human Reproduction	Volume 37, Issue Supplement_1	July 2022 , deac 105.088,
3	2022	The human embryo following biopsy on day 5 vs day 3: viability,	CHATZIMELET IOU K, PETROGIANNIS N, SIOGA A, EMMANOUIL-	Reproductive Bio Medicine Online J	Accept ed for Publica tion 2022	

		ultrastructure and spindle/ chromosomes configurations.	NIKOLOUSSI E-N, PANAGIOTIDIS Y, PRAPA M, PATRIKIOU A, FILIPPA M, ZERVAKAKOU G, PAPANIKOLAOU K, MAKEDOS A, KOLIBIANAKIS E, TARLATZIS B, GRIMBIZIS G.			
	2021	The role of neuronal apoptosis in Valproic Acid brain-related teratogenesis: a histochemical and immunohistochemical study in BALB/c mice.	MARIA ELENI MANTHOU, SOULTANA MEDITSKOU, CHRYSTODoulos LYKARTSIS, KONSTANTINOS SAPALIDIS, KONSTANTINA SORKOU, ELPIDA-NIKI EMMANOUIL-NIKOLOUSSI.	Rom J Morphol Embryol	61(3):. doi: 10.47162/RJM E.61.3. 19	813–819
4	2019	Poland syndrome complicated with metabolic syndrome and gynecomastia	ISMINI TZANAKI, ZEYAD AL-JAZRAW, NICOS MANTAS,	Reproductive Toxicology Journal	.Volume 88	Page 22-23

			ELPIDA-NIKI EMMANOUIL- NIKOLOUSSI			
5	2018.	Cyprus. Identifying latent sources of exposure to mercury in the mediterranean: the case of Cyprus	ISMINI TZANAKI, ZEYAD AL- JAZRAW, GIAGKOS LAVRANOS,EL PIDA-NIKI EMMANOUIL- NIKOLOUSSI	Reproductive Toxicology Journal	Volume 80	Page 22- 23.
6	2017	Twin to Twin Transfusion Syndrome-TTTS: A Comprehensive Approach	ASLANIDI J, BARIOTAKI P, CHRISTODOUL OU S, DIMARAKIS CH, PAPANIKOPOU LOU E TZANAKI I, EMMANOUIL- NIKOLOUSSI E.- N.	. Reproductive Toxicology Journal	V 72	23-25
7	2017	.Changes in esophageal mucosal morphology and in growth of breast feeding rats fed with milk of low or high temperature.	GRAMMATIKO S PC,EMMANOU IL- NIKOLOUSSIE E, TRONTZOS C,KAIDOGLOU A,FOROGLOU C	Hell J Nucl Med. 2018 May-Aug;21(2):157-159. doi: 10.1967/s002449910812. Epub 2018 Jul 12.	21(2):1 57-159. doi: 10.196 7/s002 449910 812Epu b 2018 Jul 12.	157- 159
8	2017	Air pollution and prenatal development. <u>ETS Invited Award Lecture.</u>	E.-N. EMMANOUIL- NIKOLOUSSI	<u>Reproductive Toxicology Journal</u>	V 72	13- 14

		<u>Reproductive Toxicology</u> Journal .V 72.13-14, 2017				
9	2017	The attitudes of medical students in Europe toward the clinical importance of Histology.	MOXHAM BJ, EMMANOUIL- NIKOLOUSSI E, BRENNER E, PLAISANT O, BRICHOVA H, KUCERA T, PAIS D, STABILE I, BORG J, SCHOLZ M, PAULSEN F, LUIS BUENO-LÓPEZ J, ALFONSO ARRAEZ AYBAR L, DE CARO R, ARSIC S, LIGNIER B, CHIRCULES CU A.	Clin Anat. 2017 Jul;30(5):635-643. Doi 10.1002/ca.22889. Epub 2017 May 22.	Epub 2017 May 22	635-643
10	2016	Core Syllabus for the Teaching of Embryology and Teratology to Medical	F.A. FAKOYA, E.- N.EMMANOUIL - NIKOLOUSSI, D.	Clinical Anatomy 2016. 10.1002-1012/ca.22802, 2016.	10.1002/ca.22802	1002 - 1012

		Students. Clinical Anatomy	SHARMA,B.J. MOXHAM. A			
11	2016	The attitudes of medical students in Europe toward the clinical importance of embryology	MOXHAM BJ, EMMANOU IL- NIKOLOUSSIS, TANDLEY H, E, BRENNER E, PLAISANTB RICHOVA H, PAIS D, STABILE I, BORG J,, CHIRCULESCU A.	Clin Anat 2016 Mar;29(2):144-50. doi: 10.1002/ca.22667. Epub 2015 Nov 23	Mar;29(2):	144-50.
12	2015	Ultrastructural alterations in the mouse lung caused by real-life ambient PM10 at urban traffic sites	Samara C, Kouras A, Kaidoglou K, Emmanouil-Nikoloussi En, Simou C, Bousnaki M, Kelessis A.	Sci Total Environ.	1;532:.. doi: 10.1016/j.scitotenv.2015.05.139. Epub 2015 Jun 14	327-36
13	2014	Detection and typing of human papillomaviruses (HPV) in malignant, dysplastic, nondysplastic and normal oral epithelium by	Blioumi E ¹ , Chatzidimitriou D, Pazartzi Ch, Katopodi T, Tzimagiorgis G, Emmanouil-Nikoloussi En, Markopoulos A, Kalekou C,	Oral Oncol	50(9): doi: 10.1016/j.oraloncology.2014.06.011. Epub	840-7.

		nested polymerase chain reaction, immunohistochemistry and transitional electron microscopy in patients of northern Greece.	Lazaridis N, Diza E, Antoniadou D.		2014 Jul 17	
14	2014	Nanomedicine and Embryology	<u>E.-</u> <u>N.EMMANOUIL</u> <u>-NIKOLOUSSI,</u>	BOOK-HORIZONS IN CLINICAL NANOMEDICINE 1 st Edition	Pan Stanford ISBN 9789814411561 ISBN 9789814411561 - CAT# N10825	72-95
15	2012	Editorial 10.1016/j.reprotox.2012.05.007. The eighth ETS special issue of Reproductive Toxicology, 12-14, 2012.	EMMANOUIL-NIKOLOUSSI E-N, & BAILEY GP.	. Reprod Toxicol.J.Sep;34(2):143. doi:	doi: 10.1016/j.reprotox.2012.05.007. The eighth ETS special issue of Reproductive	143-144

					Toxicology	
16	Ultrastructural Observations in neonatal mice after in vivo exposure to Cadmium chloride-1-hydrate during gestation.Preliminary study.	Makaronidis I. , Nikoloussis E.,Kaidoglou K.,Papamitsou T.,Sioga A., Emmanouilnikoloussi E.-N.	Reprod Toxicol.	Sep;34(2):	164-165,	
17	Breast tumor developed in a pregnant rat after treatment with the teratogen Cycloheximide.	Emmanouil-Nikoloussi E.-N.,Nikoloussis E, Manthou Me, Goula Och, Likartsis Ch, Papamitsou T, Frangou H, Massouridou S, Lazaridis Ch, Manthos A.	Hippokratia.	Apr;14(2):136-8.	36-8.	
18	. Sodium Buturate. A Deacetylase Inhibitor with Potential Antineoplastic Effect in Monotherapy or in Combination. Review of Clinical Pharmacology and Pharmacokinetics. International Edition.23:125-130.2009.	S. Massouridou, H. Frangou, E.-N. Emmanouil-Nikoloussi	Review of Clinical Pharmacology and Pharmacokinetics. International Edition.	23	125-130	
19	“Calcium folinate diminishes the teratogenic effects of all-trans retinoic acid in the developing	L. Ritsardson,E.-N. Emmanouil-Nikoloussi And B.J. Moxham	Eur. J. Anat.	Volume 13, 2.	5-15,	

	craniofacial region and neural tube of the rat					
20	2008	All-Trans-retinoic acid induced disturbance of forelimb digital apoptosis in mice embryos: a preliminary Scanning Electron Microscope (SEM) study.	E.-N. EMMANOUIL-NIKOLOUSSI, M. GORET-NICAISE, P.FOROGLOU, J.A.THLIVERIS, CH. KERAMEOS-FOROGLOU,:	Eur. J. Anat.	12 (1)	25-32
21	2004	Animal Model of chondrocyte apoptosis in the epiphyseal cartilage of neonatal bone. J. Orthop. Sci.,9, 495-502,2004	A.PLOUMIS, M.-E. MANTHOU, E.-N.EMMANOUIL-NIKOLOUSSI, S.ANDROUDI, A. CHRISTODOU LOU.	J. Orthop. Sci.,	9	495-502
22	2004	Effect of valproic acid on fetal and maternal organs in the mouse: a morphological study	E.-N.EMMANOUIL-NIKOLOUSSI, J.THLIVERIS ,, CH.FOROGLOU	Morphologie	Apr;88(280)	41-5
23	2003	Histological study of anophthalmia observed in exencephalic rat embryos after all-trans-retinoic	E.-N.EMMANOUIL-NIKOLOUSSI, M. GORET-NICAISE, A.	Journal of Toxicology.Cutaneous and Occular Toxicology. 33-46,2003A	22, 1&2,	33-46,2003A

		acid administration.	MANTHOS,CH. FOROGLOU:			
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	2017	Invited Speaker at the European Teratology Society-ETS, 2017 International Conference	International	Budapest, Hungary	Word expertised Invited Speaker
2	2016	Invited Speaker at the Euro-Parliament as a word expertise from the ENVI committee. Roundtable on "Health risk prevention in EU areas characterized by High Environmental Pressure" on December 2016. Invited Lecture Title: "Prevention of birth defects in contaminated areas"	International	Brussels, Belgium	Word expertised Invited Speaker
3	2010-2014	Academic Member of the National Committee for "Researchers' Mobility in Europe".	International	EC & Greece	Academic Member
4	2010	Invited Plenary Lecture at the Anatomical Society of Great Britain and Germany	International	Bursa, Turkey	Invited Speaker
5	2010-today	Member of the NANONET Cluster Network, working on Nanomedicine-Nanotechnology and including 331 Research laboratories	International	Thessaloniki, Greece	Member of the NANONET Cluster

6	2008-2014	Member of the Committee of HEALTH and RISK ASSESMENT, EC	International	EC	Member of the Committee
7	2002-today	Head of the Service of Thessaloniki TIS-Teratology Information Service, branch of the Genetic Consultancy Group ENTIS-European Network of Teratology Information Services	International	TIS-Thessaloniki,Greece-ENTIS-Berlin, Germany	Head of the Service and Committee
8	1991-today	Member of more than 25 National and International Scientific Societies	National and International	National and International	Member
9	1995-2015	Supervisor of 25 PhDs and 8 Master's degrees at the School of Medicine, School of Dentistry and School of Engineering, Aristotle University of Thessaloniki, Greece	National and International	National and International	Supervisor
10	2021-today	Supervisor of six Pre-graduate Thesis Degrees, School of Medicine, European University of Cyprus-EUC, Nicosia, Cyprus	National and International	National and International	Supervisor
11	2021-today	Supervisor of two Pre-graduate Thesis Degrees, Faculty of Biomedical Sciences, School of Sciences, European University of Cyprus-EUC, Nicosia, Cyprus	National and International	National and International	Supervisor

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2018-today	Partner of the “BioMERA” HORIZON 2020 Research Project for the.European University Cyprus-EUC	EC- HORIZON	Partner
2	2015-today	Partner of COST Action for Birth Defects EC Project, COST Action IS1405 Action Title: Building Intrapartum Research Through Health - an interdisciplinary whole system approach to understanding and contextualising physiological labour and birth (BIRTH)	EC	Partner
3	2017-today	Coordinator for the ‘INSTRUCT-CYPRUS ’ Research Project for the.European University Cyprus-EUC	EC	Coordinator
4	2016	Coordinator of the “Researchers’ Night” Marie Scodofska-Curie Project for the School of Medicine, School of Medicine, European University Cyprus, September 2016	EC	Coordinator
5	2015-today.	Coordinator for the ‘INSPIRED” Research Project for the Aristotle University of Thessaloniki, Greece, 2015-today.	EC	Coordinator
6	2011-2015	Partner for the Research Project “THALIS”for the Aristotle University of Thessaloniki, Greece,	EC & Greece	Partner
7	2009-2014	Partner of a Research Base EC RTD Project of Networks of Excellency:	EC	Partner

		Improving Environmental Health Research and Management in Newly Associated States (NAS), Centre of Excellence in Environmental Health Research in the context of the Quality of Life and Management of Living Resources		
8	2005-2011	Coordinator for the ‘PYTHAGORAS I ’ Research Project for the Aristotle University of Thessaloniki	National-Greek	Coordinator

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2015-today	European University Cyprus-EUC	Member of the International & Erasmus Committee of the European University Cyprus	Member of the Committee
2	2017-2018	European University Cyprus-EUC	Member of the Committee of students with Special Educational needs –E.F.E.E.A.	Member of the Committee
3	1999-2015	Aristotle University of Thessaloniki Greece	Member of the Committee of International Relations of the Aristotle University of Thessaloniki Greece	Member of the Committee
4	1999-2005	Aristotle University of Thessaloniki Greece	Member of the Committee of Public Relations and Academic studies of the Aristotle University of Thessaloniki Greece	Member of the Committee

5	2000-2014	Aristotle University of Thessaloniki Greece	Academic Consultant	Academic Consultant for Postgraduate students of the School of Medicine Aristotle University of Thessaloniki Greece
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Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	May 2022	I have received the 1 st Award for Teaching Excellence 2019-2020, from the European University Cyprus-EUC. Awards for Excellence in Research and Teaching 2019-2020-“ Memory of Mary Elefteriadou” Awards	European University Cyprus-EUC
2	2010-2015	European Teratology Society-ETS Presidency-5 years Office From 2016-Entitled as Emeritus European Teratology Society-ETS President(2016-)	European Teratology Society-ETS ,London, UK
3	1999-2003 & 2006-2010	European Teratology Society-ETS Council Member-8 years Office	European Teratology Society-ETS ,London, UK
4	2002-σήμερα	MEDICHEM International Society Greek and Cyprus National Representative and International Board Member re-elected -21 years Office	MEDICHEM International Society, USA, Boston
5	2002-σήμερα	Head of Thessaloniki Teratology Information Service-TIS, Branch of ENTIS-European Networks of Teratology Information Services	ENTIS-European Networks of Teratology Information Services-Berlin, Germany

6	2003-2012	National Greek Representative and Expert at EC, for the 6 th and 7 th Framework EC Program , Human Resources and Mobility- Marie Curie Actions and “PEOPLE”	EC, Brussels, Belgium
7	2016	Special Distinction with the “ Gold Medal Award” from the International Scientific Society “ MEDICHEM” working on Environmental Protection	MEDICHEM International Society, USA, Boston
8	2017	The Highest Distinction and the Highest Award from the European Teratology Society-ETS Award for research in Teratology, the “ETS Award Lecture” τον Σεπτέμβριο του 2017	European Teratology Society-ETS ,London, UK
9	2016	Special Distinction with the Honorary title of FICD-Fellow of the International College of Dentists	ICD-International College of Dentists London, UK
10	1998-2014	International Conferences Chair of the International Societies, Groupement International pour la Reserche Scientiific en Stomatologie et en Odontologie-GIRSO European Teratology Society-ETS, European Networks of Teratology Information Services- ENTIS & MEDICHEM	Groupement International pour la Reserche Scientiific en Stomatologie et en Odontologie- GIRSO European Teratology Society-ETS, European Networks of Teratology Information Services- ENTIS & MEDICHEM
11	1998-2022	In total Fourteen (14) National and International Awards for Original Experimental Research and Original Experimental Protocols as well as and for distinct research activities	Groupement International pour la Reserche Scientiific en Stomatologie et en Odontologie- GIRSO ,European Teratology Society-ETS, European Networks of Teratology Information Services-ENTIS & MEDICHEM& other national and International Conferences

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			N/A

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Nicolaou
Name:	Loucas
Rank/Position:	Special Scientist
Faculty:	The School of Sciences
Department:	Life Sciences
Scientific Domain: *	Bioethics

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
MSc	2009	Open University UK	Science	Engaging the Public with National Bioethics Organisations
BSc	2001	National and Kapodistrian University of Athens	Biology	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
2016	2023	European University Cyprus	Nicosia	Research Fellow

Key <u>refereed</u> journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)						
Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages

1	2022	Reply to the comment on "Population dynamics on Aetokremnos hippos of Cyprus or Have Cypriots ever tasted hippo meat? [Quat. Int. 658 (2020) 55-64]?"	George Iliopoulos Socrates Roussiakis	Quaternary International	640	92-95
2	2021	Mitochondrial sequences of the extinct Cypriot pygmy hippopotamus confirm its phylogenetic placement	Nikolaos Psonis Despoina Vassou Socrates Roussiakis George Iliopoulos Nikos Poulakakis Spyros Sfenthourakis	Zoological Journal of the Linnean Society	196	979-989
3	2020	Population dynamics on Aetokremnos hippos of Cyprus or Have Cypriots ever tasted hippo meat?	George Iliopoulos Socrates Roussiakis	Quaternary International	568	55-64

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*

1				
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1			

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	ROZARIO
Name:	CHRISTOFOROS
Rank/Position:	SCIENTIFIC COLLABORATOR
Faculty:	SCHOOL OF SCIENCES
Department:	LIFE SCIENCES
Scientific Domain: *	IMMUNOLOGY / VIROLOGY

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD	2022	The University of Glasgow	College Of Medical, Veterinary & Life Sciences	Exploring the molecular inter-relationship of splicing factors during HRV-infection: effects on respiratory epithelial cell function and viral replication.
BSc (Hons)	2017	The University of Edinburgh	College of Science & Engineering	
Apolytirion	2012	The GCSchool of Careers Secondary School		

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
September 2022	-	Act Bio Laboratory	Nicosia, Cyprus	Clinical laboratory Scientist / Quality Control Manager
December 2021	June 2022	The University of Edinburgh	Edinburgh, UK	Research assistant
April 2020	July 2020	The University of Glasgow	Glasgow, UK	Research assistant

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2021	Elevated temperature inhibits SARS-CoV-2 replication in respiratory epithelium independently of IFN-mediated innate immune defences.	Vanessa Herder, Kieran Dee, Joanna K Wojtus, Ilaria Epifano, Daniel Goldfarb, Quan Gu, Ana Da Silva Filipe, Kyriaki Nomikou, Jenna Nichols, Ruth F Jarrett, Andrew Stevenson, Steven McFarlane, Meredith E Stewart, Agnieszka M Szemiel, Rute M Pinto, Andreu Masdefiol Garriga, Chris Davis, Jay Allan, Sheila V Graham, Pablo R Murcia and Chris Boutell.	PLoS Biology	19	e30010 65

2	2021	Could Interleukin-33 (IL-33) Govern the Outcome of an Equine Influenza Virus Infection? Learning from Other Species.	Martinez-Sobrido L, McSorley H and Chauché C.	Viruses	13	2519
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	14/03/2022	Human Rhinovirus infection and pre-mRNA splicing: exploring mechanisms underlying HRV-associated lung disease.	Local	Roslin institute, Edinburgh, UK	Invited speaker
2	28/01/2022	Investigating the autocrine effects of IL-33 on Airway Epithelial Cells.	International	Semmering, Austria	Selected speaker
3	09/04/2019	Exploring the molecular inter-relationship of splicing factors during HRV-infection.	International	ICC, Belfast, UK	Selected presenter
4	14/02/2019	Respiratory viruses and pre-mRNA splicing.	Local	MRC-UoG Centre for Virus research, Glasgow, UK	Invited speaker

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	Dec.'21 – Jun.'22	Investigating the roles of IL-33 in the outcome of Influenza Virus infection.	HBLB	Research Assistant
2	Oct.'17 – Dec.'21	Exploring the molecular inter-relationship of splicing factors during HRV-infection.	BBSRC and AstraZeneca	Project Coordinator
3	Apr.'20 – Jul.'20	Thermal Restriction of SARS-CoV-2 in 3D Respiratory Cultures.	BBSRC and MRC	Research Team Member

4	May'16 – Jun.'16	Impacts of nutrition quality on host-parasite dynamics in wild wood mice.	The Darwin Trust of Edinburgh	Research Assistant
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**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1			
2			

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1			
2			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Tsitsilonis
Name:	Ourania
Rank:	Visiting Faculty
Faculty:	School of Sciences
Department:	Life Sciences
Scientific Domain: *	Immunology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title
PhD Immunology	1993	NKUA	Biology	Contribution to the study of prothymosin α and parathymosin α in man
BSc in Medicine	1995	NKUA	Medicine	
BSc in Biology	1986	NKUA	Biology	

Employment history – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
1994	1996	University of Tuebingen	Germany	Post-doctoral fellow
1996	2002	St. Savas Cancer Hospital	Athens	Resident and Senior investigator
2002	present	NKUA	Athens	Faculty member

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Evaluation of minimal residual disease using next-generation flow cytometry in patients with AL amyloidosis	Kastritis E, Kostopoulos IV, Terpos E, Paiva B, Fotiou D, Gavriatopoulou M, Kanellias N, Ziogas DC, Roussou M, Migkou M, Eleutherakis-Papaiakovou E, Trougakos IP, Dimopoulos MA.	<i>Blood Cancer J.</i>	8	46
2	2018	Molecular responses to therapeutic proteasome inhibitors in multiple myeloma patients are donor-, cell type- and drug-dependent	Papanagnou ED, Terpos E, Kastritis E, Papassideri IS, Dimopoulos MA, Trougakos IP.	<i>Oncotarget</i>	9	17797
3	2018	Selective cytotoxicity of the herbal substance acteoside against tumor cells and its mechanistic insights	Cheimonidi C, Samara P, Polychronopoulos P, Tsakiri EN, Nikou T, Myriantopoulos V, Sakellariopoulos T, Zoumpourlis V, Mikros E, Papassideri I, Argyropoulou A, Halabalaki M, Alexopoulos LG, Skaltsounis AL, Aligiannis NN, Trougakos IP.	<i>Redox Biol.</i>	16	169
4	2017	Clonal evolution is a prognostic factor for the clinical progression of monoclonal B-cell lymphocytosis	Kostopoulos IV, Paterakis G, Pavlidis D, Kastritis E, Terpos E, Papadimitriou SI.	<i>Blood Cancer J.</i>	7	597

5	2017	Frequencies of peripheral immune cells in older adults following seasonal influenza vaccination with an adjuvanted vaccine.	Goldeck D, Theeten H, Hassouneh F, Oettinger L, Wistuba-Hamprecht K, Cools N, Pawelec G.	<i>Vaccine</i>	35	4330
6	2017	A fragment of the alarmin prothymosin α as a novel biomarker in murine models of bacteria-induced sepsis.	Samara P, Miriagou V, Zachariadis M, Mavrofydi O, Promponas VJ, Dedos SG, Papazafiri P, Kalbacher H, Voelter W.	<i>Oncotarget</i>	8	48635
7	2017	New semi-synthetic analogs of oleuropein show improved anticancer activity <i>in vitro</i> and <i>in vivo</i> .	Samara P, Christoforidou N, Lemus C, Argyropoulou A, Ioannou K, Vougiogiannopoulou K, Aligiannis N, Paronis E, Gaboriaud-Kolar N, Skaltsounis AL.	<i>Eur. J. Med. Chem.</i>	137	11
8	2017	<i>In vivo</i> biodistribution and imaging studies with a ^{99m}Tc -radiolabeled derivative of the C-terminus of prothymosin alpha in mice bearing experimentally-induced inflammation.	Karachaliou CE, Triantis C, Liolios C, Palamaris L, Zikos C, Kalbacher H, Voelter W, Loudos G, Papadopoulos M, Pirmettis I, Livaniou E.	<i>Eur. J. Pharm. Biopharm.</i>	113	188
9	2016	Harnessing the immune system to improve cancer therapy.	Papaioannou NE, Beniata OV, Vitsos P, Samara P.	<i>Ann. Transl. Med.</i>	4	261
10	2014	ISO-66, a novel inhibitor of macrophage migration, shows efficacy in melanoma and colon cancer models.	Ioannou K, Cheng KF, Crichlow GV, Birmipilis AI, Lolis EJ, Al-Abed Y.	<i>Int. J. Oncol.</i>	454	1457

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2018	Novel Biomarkers and Potential Therapeutic Targets for the Management of Patients with Multiple Myeloma	GSRT	Contact person
2	2017	Detection and quantitation of MRD in patients with Multiple Myeloma	National Organisation for Healthcare Provision	Coordinator
3	2018	Prognostic value of MRD in hematopoietic stem cell products of patients with Multiple Myeloma subjected to ASCT	HESMO	Co-coordinator
4	2017	Cellular, signalling and metabolic changes during infection with HCV	ELIDEK	Coordinator
5	2017	Development, evaluation and clinical application of a new method for the detection of MRD in patients with Multiple Myeloma using next-generation flow cytometry	IKY	Coordinator
6	2014-2016	Study on the mode of action of prothymosin alpha, aiming at clinical exploitation of its decapeptide fragment	IKY	Coordinator
7	2013-2015	Immune signatures within the tumor and in the peripheral blood as prognostic/predictive biomarkers in breast cancer	GSRT	Co-coordinator
8	2011-2014	Integrating the emerging research potential of the University of Athens cancer Research group in the European research area	FP7-REGPOT-2011	Member
9	2013	Development of ELISA for quantitating the novel infection marker prothymosin alpha (100-109) in blood plasma	Latsis Foundation	Coordinator
10	2008-2011	Development of a novel immunoassay for the very early detection of biothreatening bacterial infections	NATO SfP 982838	Co-coordinator

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2016-now	BMS	Advisor	Presentations/review of new cancer immunotherapeutic protocols
2	2016-now	Hellenic Society of Immuno-Oncology	General Secretary	Advisor/congress organizer/public and patient update
3	2015-now	NKUA, Department of Biology	Vice President	Undergraduate, postgraduate, doctorate programmes, students' internship, students' transfer, etc
4	2004-now	GSRT, IKY, MOH-Greece, University of Antwerp, Bulgarian Academy of Science, DFG	Reviewer	Evaluator of proposals
5	2000-now	Various international journals	Reviewer	Manuscript review

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)			
Ref. Number	Date	Title	Awarded by:
1	2018	1 st award for best presentation	Hellenic Society of Vascular Surgery
2	2017	2 nd award for best presentation	Hellenic Society of Immuno-oncology
3	2017	"Stem cell" award	43 rd Panhellenic Medical Congress
4	2014	Honorary award for best basic research presentation	40 th Panhellenic Medical Congress

5	2011	Honorary award for best basic research presentation	37 th Panhellenic Medical Congress
6	2004	Research award	Empeirikion Foundation
7	2005-now	Invited educational seminars for secondary school students and instructors	Ministry of Education
8	1998-now	Invited plenary lectures in National and International Conferences, Seminars, Workshops, Meetings	Various medical societies
9			
10			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Title	Key Activities:
1	2002-now	12 PhD Theses (7 completed)	PhD Theses supervisor
2	2002-now	41 MSc Theses (39 completed)	MSc Theses supervisor
3	2002-now	82 undergraduate Theses (76 completed)	Undergraduate Theses supervisor
4	2002-now	Participation in 7 MSc programmes	Lectures and practicals
5	2012	Short-term visiting professor	Participated in organization of lectures and practicals of the course "Immunology" at the University of Cyprus
6	1986-now	Research impact	77 original publications at peer-reviewed international journals (total impact factor 243)
7	1986-now	Research impact	> 1600 citations; h-index 23
8	2003-now	Textbooks	Participated in translation teams of 5 books
9	2017-now	ISO 9001:2015	Accreditation of Flow Cytometry Unit of NKUA
10	2006-now	Congress organization	Member of organizing committee of 12 Congresses

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Papadopoulou Lesta
Name:	Vicky
Rank/Position:	Associate Professor
Faculty:	School of Sciences
Department:	Department of Computer Science and Engineering
Scientific Domain: *	Computer Science/Algorithms and Complexity

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Bachelor	1997	University of Patras	Department of Computer Engineering and Informatics	Control Problems in Mobile Networks
Master	2001	University of Patras	Department of Computer Engineering and Informatics	Algorithmic Issues in Wireless and Mobile Networks: The Frequency Assignment Problem
Doctorate	2003	University of Patras	Department of Computer Engineering and Informatics	The Frequency Assignment Problems: Algorithms and Complexity

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
October 2008	-	European University Cyprus	Nicosia	Associate Professor
June 2004	August 2008	University of Cyprus	Nicosia	Post-Doctorate Researcher
Jan 2007	June 2007	University of Cyprus	Nicosia	Visiting Lecturer
Sept 2003	March 2004	University of Patras	Patras, Greece	Visiting Lecturer
June 2003	July 2004	Research Academic Computer Technology Institute	Patras, Greece	Post-Doctorate Researcher
Sep 1998	August 2003	Research Academic Computer Technology Institute	Patras, Greece	Research and Development Engineer

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Classification of local ultraluminous infrared galaxies and quasars with kernel principal component analysis	Evangelos S Papaefthymiou, Ioannis Michos, Orestis Pavlou, Andreas Efstathiou	Monthly Notices of the Royal Astronomical Society	517 (3)	4162-4174
2	2022	Detecting and analysing the topology of the cosmic web	Dimitrios Kelesis, Spyros Basilakos, Dimitris Fotakis, Andreas Efstathiou	Monthly Notices of the Royal Astronomical Society	516 (4)	5110-5124

		with spatial clustering algorithms I: methods				
3	2022	A unified framework for analyzing complex systems: Juxtaposing the (Kernel) PCA method and graph theory	Andreas A. Ioannides, Constantinos Kourouyiannis, Christodoulos Karittevlis, Lichan Liu, Ioannis Michos, Michalis Papadopoulos, Evangelos Papaefthymiou, Orestis Pavlou, Andreas Efstathiou	Frontiers in Applied Mathematics and Statistics	8	
4	2021	The Price of Defense.	Mavronicolas, Marios, Michael, Loizos, Persiano, Giuseppe Philippou, Anna Spirakis, Paul G.	Algorithmica	83	1256–1315
5	2019	Modeling Probabilistic Flooding in VANETs for Optimal Rebroadcast Probabilities	T. Saeed, Y. Mylonas, A. Pitsillides and M. Lestas,	IEEE Transactions on Intelligent Transportation Systems	20 Issue: 2	556-570
6	2018	A decentralized approach for self-coexistence among heterogeneous networks in TVWS	H. Maloku, E. Hamiti, Z. Limani, and A. Pitsillides, Rajarajan and M. Rajarajan	A decentralized approach for self-coexistence among heterogeneous networks in TVWS	67	1302-1312
7	2015	Y. Mylonas, M. Lestas, A. Pitsillides, P. A. Ioannou	Speed Adaptive Probabilistic Flooding for Vehicular Ad Hoc Networks	IEEE Trans. Vehicular Technology	64 (5)	pp. 1973-1990
8	2013	M. Mavronicolas, B. Monien	How Many Attackers Can Selfish Defenders Catch?	Discrete Applied Mathematics	Vol. 161, No. 16–17	pp. 2563–2586

9	2008	A Network Game with Attacker and Protector Entities	Mavronicolas, A. Philippou and P. G. Spirakis	Algorithmica	51	315-341
10	2008	A Graph-Theoretic Network Security Game	International Journal of Autonomous and Adaptive Communications, Special Issue on "Algorithmic Game Theory"	International Journal of Autonomous and Adaptive Communications, Special Issue on "Algorithmic Game Theory",	Vol. 1, No.4	4 pp. 390

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	2022-2024	CYGNUS+: Further development of Cyprus models for Galaxies and their NUclear Spectra	European Space Agency	Research Team Member
2	2019-2021	CYGNUS: CYprus models for Galaxies and their NUclear Spectra	European Space Agency	Research Team Member
3	2019-2023	I-CONN: Interdisciplinary connectivity: Understanding and managing complex systems using connectivity science	H2020-MSCA-ITN-2019, European Commission, EU	Research Team Member , Principal investigator
4	GRATOS	GRATOS: Graph Theoretical Tools for Sciences	Cyprus Research Promotion Foundation, EXCELLENCE HUBS	Project leader

			EXCELLENCE/1216/0207	
5	HELP	HELP: Herschel Extragalactic Legacy Project	European Union, 7th Framework Programme grant. no 607254.	<i>Researcher</i>

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2023	13th International Conference on Algorithms and Complexity (CIAC2023), 14 – 16 June, 2023 Larnaca, Cyprus	Organizing Committee Chair	Organizing Committee Chair
2	2023	13th International Conference on Algorithms and Complexity (CIAC2023), 14 – 16 June, 2023 Larnaca, Cyprus	Organizing Committee Chair	Papers review
3	2023	21st Symposium on Experimental Algorithms (SEA 2023), Barcelona, July 24-26	Technical Program Committee Member	Papers review
4	2023	29th International European	Technical Program Committee Member	Papers review

		Conference on Parallel and Distributed Computing (Euro-Par'2023), 28 August – 1 September 2023 LIMASSOL, CYPRUS		
5	2015	The 42nd International Colloquium on Automata, Languages, and Programming (ICALP 2015) , 6-10 July 2015 in Kyoto, Japan (Member).	Program committee member (Member).	Papers review
6	2009	2nd International Symposium on Algorithmic Game Theory (SAGT 2009), October 18--20, 2009, Paphos, Cyprus	Organizing Committee Chair	Organizing Committee Chair
7	2009	Proceedings 2nd International Symposium on Algorithmic Game Theory 2009 (SAGT 2009), Springer in its LNCS series (Lecture Notes in	Co-editor	Co-editor

		Computer Science), Volume 5814.		
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**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	COSTEAS
Name:	PAUL ARISTIDES
Rank/Position:	VISITING FACULTY
Faculty:	SCHOOL OF SCIENCES
Department:	LIFE SCIENCES
Scientific Domain: *	HUMAN GENETICS AND IMMUNOLOGY

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Postdoctoral Trainee	1995-1996	University of Maryland Medical System, Baltimore, U.S.A. Postdoctoral Trainee Molecular Pathology	Department of Pathology	-
PhD, Human Genetics	1991-1995	The University of Maryland at Baltimore, Baltimore, U.S.A. Division of Human Genetics Baltimore, Maryland	Division of Human Genetics Baltimore, Maryland	Regulation of Hepatic Expression of BCKAD in Mice
B.Sc., Clinical Laboratory Sciences	1987-1991	University at Stony Brook, Stony Brook, New York, U.S.A.	The School of Health Technology and Management, Health Science Center	-

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
1997	Present	Karaiskakio Foundation	Nicosia, Cyprus	Executive Director/Founder
1997	Present	The Center for the Study of Haematological Malignancies (CSHM)	Nicosia, Cyprus	Executive Director/Founder

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022 Nov 22	Polymeric micelles effectively reprogram the tumor microenvironment to potentiate nano-immunotherapy in mouse breast cancer models.	Panagi M, Mpekris F, Chen P, Voutouri C, Nakagawa Y, Martin JD, Hiroi T, Hashimoto H, Demetriou P, Pierides C, Samuel R, Stylianos A, Michael C, Fukushima S, Georgiou P, Papageorgis P, Papaphilippou PC, Koumas L, Costeas P , Ishii G, Kojima M, Kataoka K, Cabral H, Stylianopoulos T.	Nat Commun.	13(1)	7165
2	2022 Aug 26	Pharmacological activation of the C5a receptor leads to stimulation of the β -adrenergic receptor and alleviates cognitive impairment in a murine model of familial Alzheimer's disease.	Fella E, Papacharalambous R, Kynigopoulos D, Ioannou M, Derua R, Christodoulou C, Stylianos M, Karaiskos C, Kagiava A, Petroula G, Pierides C, Kyriakou M, Koumas L, Costeas P , Panayiotou E.	Front Immunol.	13	947071

3	2022 Apr 28	A de novo SFMBT1 pathogenic variant identified in a boy with Poland syndrome.	Miltiadous A, Demetriou P, Kyriakou M, Gerasimou P, Herodotou G, Elpidoforou A, Kyprianou Y, Iacovou M, Chi J, Costeas P , Tanteles GA.	Cold Spring Harb Mol Case Stud.	8(3)	a0061 68
4	2021 May 26	Non-transplantable cord blood units as a source for adoptive immunotherapy of leukaemia and a paradigm of circular economy in medicine.	Koukoulis K, Papadopoulou A, Kouimtzis A, Papayanni PG, Papaloizou A, Sotiropoulos D, Yiangou M, Costeas P , Anagnostopoulos A, Yannaki E, Kaloyannidis P.	Br J Haematol	194(1)	158-167
5	2021 Mar 1	The PML-RARA fusion is not detectable in historical blood samples of acute promyelocytic leukaemia patients.	Dunn WG, Gu MS, Fabre MA, Cooper J, Nomdedeu JF, Koumas L, Nicolaou K, Chi J, Costeas P , Vassiliou GS.	Ann Hematol.	101(2)	443-445
6	2020 Dec 13	Normalizing the Microenvironment Overcomes Vessel Compression and Resistance to Nano-immunotherapy in Breast Cancer Lung Metastasis.	Mpekris F, Panagi M, Voutouri C, Martin JD, Samuel R, Takahashi S, Gotohda N, Suzuki T, Papageorgis P, Demetriou P, Pierides C, Koumas L, Costeas P , Kojima M, Ishii G, Constantinidou A, Kataoka K, Cabral H, Stylianopoulos.	T.Adv Sci (Weinh).	8(3)	20019 17
7	2020 Jan 12	TGF- β inhibition combined with cytotoxic nanomedicine normalizes triple negative breast cancer microenvironment towards anti-tumor immunity	Panagi M, Voutouri C, Mpekris F, Papageorgis P, Martin MR, Martin JD, Demetriou P, Pierides C, Polydorou C, Stylianou A, Louca M, Koumas L, Costeas P , Kataoka K, Cabral H, Stylianopoulos..	T.Theranostics	10(4)	1910-1922
8	2018	Ectopic Lck expression in CLL demarcates intratumoral subpopulations with aberrant B-cell receptor signaling,	Theofani E, Alexis S, Costeas P , Andriopoulos C, Feleskoura G, Zikos P, Aktypi A, Spyridonidis A, Nika K.,.	Blood Adv.	2(8)	877-882
9	2018	Combined effect of glutamine at position 70 of HLA-DRB1 and alanine at position 57 of HLA-DQB1 in type 1 diabetes: An epitope analysis	Gerasimou P, Nicolaidou V, Skordis N, Picolos M, Monos D, Costeas	PA, , PLoS One.	13(3)	e0193 684

10	2017 Jun 12	JAK2 V617F hematopoietic clones are present several years prior to MPN diagnosis and follow different expansion kinetics,	Thomas McKerrell, Naomi Park, Jianxiang Chi, Grace Collord, Thaidy Moreno, ...7 authors..., Paul A. Costeas and George S. Vassiliou,	Blood Advances	1(14)	968-971
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Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					
2					
3					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2020-2024	Enhancing adoptive t cell therapy via T cell costimulation	CCRI/KF/CSHM	Scientific/Project Coordinator
2	2019-2022	Retrospective Analysis of Clonal Transformation	RIF	Scientific/Project Coordinator
3	2018-2022	Epigenetic modulation for the generation of innovative cellular immunotherapies against Graft versus Host Disease	RIF	Scientific/Project Coordinator

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	Current	Association for Molecular Pathology (AMP)	Member	-
2	Current	European Leukemia Network (ELN)	Member	-
3	Current	European Hematology Association (EHA)	Member	-
4	Current	European Blood and Marrow Transplantation (EBMT)	Member	-
5	Current	European Federation of Immunogenetics (EFI)	Member	-
6	Current	World Marrow Donor Association (WMDA)	Member	-
7	Current	Bone Marrow Donors Worldwide (BMDW)	Member	-

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	2014	ESHI Diploma-European Specialization in Histocompatibility and Immunogenetics	European Board of Transplantation Immunology (EBTI)
2	2008	EC4 European Registry of Specialists in Clinical Chemistry and Laboratory Medicine	EC4 European Registry of Specialists in Clinical Chemistry and Laboratory Medicine
3	1996	Laboratory Director, License	Ministry of Health, Government of Cyprus
4	1994-5	Graduate School Merit Award	University of Maryland
5	1994	L. Lantzounis Research Grand	Hellenic Medical Society of New York

6	1992	The National Certification Agency for Medical Lab Personnel (USA)	Clinical Laboratory Scientist
7	1991	Board of Registry	American Society of Clinical Pathologists, Medical Technologist
8	1991	Outstanding Student Award for Superior Achievement in Clinical Chem.	SUNY, Stony Brook
9	1990	Golden Key National Honor Society	SUNY, Stony Brook

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1	1997-Today	Founding Director of the Karaiskakio Foundation	The Karaiskakio Foundation is a non – profit organization established with the purpose of organizing a volunteer Bone Marrow Donor Registry (www.karaiskakio.org.cy)
2	1997-Today	Establishment of the Cyprus Bone Marrow Donor Registry	Today’s largest bone marrow donor registry per capita in the world, it is a member of the international donor registry BMDW, accredited by the World Marrow Donor Association (WMDA) and a collaborative registry of the National Marrow Donor Program of the United States (NMDP).
3	1997-Today	Establishment of the Immunogenetics Laboratory at the Karaiskakio Foundation	The laboratory ranks high amongst most modern and state-of-the-art laboratories in the region. It is accredited by the European Federation of Immunogenetics (EFI) since 2004.
4	2005-Today	Establishment of the Molecular Hematology Laboratory at the Karaiskakio Foundation	The laboratory offers a broad spectrum of molecular testing. This includes specialized tests for the detection of recurrent chromosomal aberrations and gene mutations, which affect the prognosis of certain types of leukemia. Valuable information derived from these tests serves to guide physicians for the detailed evaluation of therapy options as well as timely detection of disease relapse.

5	2005-Today	Establishment of the Cyprus Rotary Public Cord Blood Registry	The Registry was established by the Karaiskakio Foundation in collaboration with the Cyprus Ministry of Health, the Cyprus Society funding from ten Cyprus Rotary Club Associations. It is attributed with the Accreditation of Cellular Therapy (FACT-Netcord) since 2016.
6	2005-Today	Founding Director of "The Center for the Study of Heamatological Malignancies" (CSHM)	The CSHM is a research organization established to promote excellence in clinical laboratory practice, research and education in the area of hemato-oncology and to facilitate high-impact research in the field of haematological malignancies.
7	2014-Today	Establishment of an Integrated Hematooncology Diagnostic Center at the Karaiskakio Foundation	The Karaiskakio Foundation is running one of the few integrated haematooncology laboratories in Europe serving patients from Cyprus and abroad. They include a Heamatology-Immunoheamatology core laboratory, a Molecular Hematology laboratory and a Cytogenetics and Genomics Laboratory that operate in an integrated fashion. The laboratories are accredited by the Cyprus Organisation for Standardisation in the areas of Flow Cytometry, Molecular Hematology, Immunogenetics, FISH and array CGH as per the ISO15189:2012 standards.

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Papageorgis
Name:	Panagiotis
Rank:	Professor
Faculty:	Sciences
Department:	Life Sciences
Scientific Domain: *	Molecular and Cellular Biology of Cancer

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD	2009	Boston University School of Medicine	Cell and Molecular Biology/ Genetics and Genomics	The role of Smad signaling in cancer progression
BSc	2003	National and Kapodistrian University of Athens	Biology	Purification and biochemical characterization of an endogenous inhibitor of L-Dopa decarboxylase

Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2014	date	European University Cyprus	Nicosia, Cyprus	Associate Professor
2010	2014	University of Cyprus	Nicosia, Cyprus	Post-doctoral fellow
2009	2010	Boston University School of Medicine	Boston, USA	Post-doctoral fellow

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Polymeric micelles effectively reprogram the tumor microenvironment to potentiate nano-immunotherapy in mouse breast cancer models	M. Panagi, F. Mpekris, P. Chen, C. Voutouri, Y. Nakagawa, J. Martin, T. Hiroi, H. Hashimoto, P. Demetriou, C. Pierides, R. Samuel, A. Stylianou, C. Michael, S. Fukushima, P. Georgiou, P. Papaphillipou, L. Koumas, P. A. Costeas, G. Ishii, M. Kojima, K. Kataoka, H. Cabral, T. Stylianopoulos.	Nature Communications		doi: 10.1038/s41467-022-34744-1
2	2021	Apoptosis deregulation and the development of multi-drug resistance	C.M. Neophytou, I. Trougakos and N. Erin	Cancers	13	https://doi.org/10.3390/cancers13174363
3	2021	The role of tumor microenvironment in cancer metastasis: Molecular mechanisms and therapeutic opportunities	C.M. Neophytou, M. Panagi, T. Stylianopoulos	Cancers	13	https://doi.org/10.3390/cancers13092053
4	2020	Normalizing the microenvironment overcomes vessel compression and	F. Mpekris, M. Panagi, C. Voutouri, J. Martin, R. Samuel, S. Takahashi, N.	Advanced Science	8	https://doi.org

		resistance to nano-immunotherapy in breast cancer lung metastasis	Gotohda, T. Suzuki, P. Demetriou, C. Pierides, L. Koumas, P. Costeas, M. Kojima, G. Ishii, A. Constantinidou, K. Kataoka, H. Cabral, T. Stylianopoulos			/10.1002/adv.s.202001917
5	2019	Activin A Signaling Regulates IL13R α 2 Expression to Promote Breast Cancer Metastasis	Kalli M, Mpekris F, Wong CK, Panagi M, Ozturk S, Thiagalingam S, Stylianopoulos T.	Frontiers in Oncology	9	doi: 10.3389/fonc.2019.00032
6	2018	Molecular mechanisms and emerging therapeutic targets for triple-negative breast cancer metastasis	C.N. Neophytou, P. Boutsikos	Frontiers in Oncology	8	https://doi.org/10.3389/fonc.2018.00031
7	2017	Tranilast-induced stress alleviation in solid tumors improves the efficacy of chemo- and nanotherapeutics in a size-independent manner	C. Polydorou, F. Mpekris, C. Voutouri, E. Agathokleous, C. Kapnissi-Christodoulou, T. Stylianopoulos	Scientific Reports	7	doi: 10.1038/srep46140
8	2015	Targeting IL13RA2 activates STAT6-p63 pathway to suppress breast cancer lung metastasis.	Ozturk S., Lambert A.W., Tzatsos A., Neophytou C.M., Wong C.K., Thiagalingam S. Constantinou Al.	Breast Cancer Research	17	doi: 10.1186/s13058-015-0607-y
9	2011	Smad4 inactivation promotes malignancy and drug resistance of colon cancer.	Cheng K.H., Ozturk S., Gong Y., Lambert AW., Abdolmaleky H.M., Zhou JR., Thiagalingam S.	Cancer Research	71	998-1008
10	2010	Smad signaling is required to maintain epigenetic gene silencing during breast cancer progression	Lambert A.W., Ozturk S., Gao F., Pan H., Manne U., Alekseyev Y., Thiagalingam A.,	Cancer Research	70	968-978

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	2023	Temporal dynamics of metastatic breast cancer lung colonization	International	Nicosia, Cyprus	Invited talk
2	2021	Unveiling the transcriptional landscape that regulates colonization of dormant metastatic breast cancer cells to the lungs	International	Nicosia, Cyprus	Talk
3	2020	Remodelling the tumor microenvironment to improve the efficacy of immunotherapy	International	Athens, Greece	Invited talk
4	2019	Remodelling the tumor microenvironment to improve the efficacy of cancer therapy.	International	Nicosia, Cyprus	Invited talk
5	2018	Remodelling the tumor microenvironment to improve efficacy of chemo- and nanotherapeutics in solid tumors	International	Lausanne, Switzerland	Poster presentation
6	2017	IL13R α 2: a target for controlling breast cancer metastasis to the lungs.	Local	Limassol, Cyprus	Invited talk
7	2017	Designing strategies to target IL13R α 2-mediated breast cancer metastasis.	International	Athens, Greece	Invited talk
8	2017	Tranilast-induced stress alleviation in solid tumors improves the efficacy of chemo- and nanotherapeutics in a size independent manner.	International	Basel, Switzerland	Poster presentation

9	2016	Deciphering the molecular complexity of cancer metastasis.	International	Athens, Greece	Invited talk
10	2016	Molecular mechanisms of cancer metastasis	Local	Larnaca, Cyprus	Invited talk

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	03/2021 - 02/2023	Targeting the desmoplastic tumor microenvironment to improve the efficacy of pancreatic cancer immunotherapy	Research and Innovation Foundation (EXCELLENCE 0421/0179) Allocated funding: 174,533.25 €	Project coordinator
2	03/2021 - 02/2023	Investigating the mechanistic and therapeutic link between glucose and Histone acetyltransferase 1 (HAT1) activity in the aggressiveness of Glioblastoma multiforme (GBM)	Research and Innovation Foundation (EXCELLENCE 0421/0342) Allocated funding: 74,749.60 €	Project Partner
3	03/2021 - 02/2023	Deciphering the molecular and biological function of histone H2A.X N-terminal acetylation	Research and Innovation Foundation (EXCELLENCE 0421/0152) Allocated funding: 74.449,00 €	Project Partner
4	01/2019 - 12/2021	Unveiling novel molecular mechanisms that regulate colonization of dormant metastatic breast cancer cells.	Research and Innovation Foundation (POST-DOC 0916/0044) Allocated funding: 159.992 €	Project Partner
5	09/2019 - 08/2021	Optimizing immunotherapy in triple-negative breast cancer by normalizing the tumor microenvironment	Research and Innovation Foundation (POST-DOC 0718/0084) Allocated funding: 15.600 €	Project Partner
6	09/2019 - 08/2021	Function of the histone N-terminal acetyltransferase Naa40 in liver-metabolic reprogramming and oncogenesis	Research and Innovation Foundation (EXCELLENCE 0918/0081) Allocated funding: 15.000 €	Project Partner

7	01/2019 - 12/2022	Center for Preclinical evaluation and optimization of cancer nanomedicine	Research and Innovation Foundation (INFRASTRUCTURES 1216/0052) Allocated funding: 39,552 €	Project Partner
8	01/2019 - 12/2021	Functional and therapeutic implications of histone N-terminal acetyltransferase Naa40 in colorectal oncogenesis	Research and Innovation Foundation (EXCELLENCE 1216/0036) Allocated funding: 34,488 €	Project Partner
9	06/2016 - 05/2018	Elucidation of the signaling mechanisms that promote IL13R α 2-mediated breast cancer metastasis	Research and Innovation Foundation (KOULTOURA 0415/03) Χρηματοδότηση: 35.000 €	Project coordinator
10	09/2010 - 12/2013	Identification and functional characterization of novel genes involved in breast cancer metastasis	Research and Innovation Foundation (DIDAKTOR 0609/24) Allocated funding: 150.000 €	Project coordinator

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	09/2018 – to date	European University Cyprus	Dean, School of Sciences	Academic and Administrative leader of the School of Sciences, responsible for the academic operations, general welfare and the development of the School.
2	2021-2027	Program Committee - Horizon Europe	National Representative of the “Health” Configuration of Horizon Europe Program Committee	Promotion of national positions in the formulation of Horizon Europe Call programs in the "Health" Configuration.
3	2021-2024	National Committee for the Protection of Animals for	Member of the National Committee for the Protection of Animals for Scientific Purposes	Evaluation and licensing of work permit applications and personal permits for the use of animals for scientific purposes

		Scientific Purposes		
4	2022-2023	Norwegian Cancer Society	Grant proposal reviewer	Review of grant proposals
5	2022-to date	European University Cyprus	Coordinator of the PhD Cancer Biology and Clinical Oncology Program	Responsible all academic operations and matters pertaining the PhD Cancer Biology and Clinical Oncology Program

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Title	Awarded by:
1	2015	Young Researcher Award	Research Promotion Foundation Cyprus
2	2007	First prize for the Henry I. Russek Student Achievement Award	Boston University School of Medicine
3	2006	Second prize for the Henry I. Russek Student Achievement Award	Boston University School of Medicine
4	2006	Honourable mention for the Evans Research Day	Boston University School of Medicine
5	2005	First prize for the "Outstanding poster award competition"	Boston University School of Medicine, Department of Genetics and Genomics

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Title	Key Activities:
1	2006 – to date	50 articles in international peer-reviewed journals and 4 book chapters	Author/Researcher
2	2006 – to date	Citations: 3661; h-index: 28; i10-index: 40 (source Google Scholar, as of 17/07/23)	Author/Researcher

		https://scholar.google.com/citations?user=10jCj7kAAAAJ&hl=en	
3	2010 - to date	Reviewer	Manuscript reviews for several peer-reviewed journals
4	2018	Scientific committee member	Member of the Scientific committee for the 7 th International Conference of the Cyprus Society of Human Genetics
5	2018	Scientific committee member	Member of the Scientific committee for the 6 th Multithreaded Biomedical Congress
6	2017	Founding member of Pancyprrian Association for Cystic Fibrosis	Founding member
7	2016	Ad hoc evaluations	Member of the several PhD Examination Committee at the University of Cyprus, the Cyprus Institute of Neurology and Genetics and National and Kapodistrian University
8	July 2016- July 2017	EUC Faculty Development	Completion of the EUC Faculty Development Program
9	2016	Invited lecturer	Invited lecture “Deciphering the molecular complexity of cancer metastasis”. 12th Educational Biology Conference OELMEK, Nicosia, Cyprus
10	2012	Invited lecturer	Invited lecture “Integrating transcriptomic and genetic approaches to identify novel mediators of breast cancer metastasis”. Progress in combination therapy of cancer using novel immunomodulators, “Inspire” Conference, Athens, Greece

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	Drosatos
Name:	Konstantinos
Rank/Position:	Visiting Faculty
Faculty:	SCHOOL OF SCIENCES
Department:	Life Sciences
Scientific Domain: *	Molecular Biology, Cardiac and Systemic Metabolism

* Field of Specialization

**Academic qualifications
(list by highest qualification)**

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD in Molecular Biology & Biomedicine	2007	University of Crete	Basic Sciences, Medical School	Gene regulation and functions of Apolipoprotein E
MSc in Molecular Biology & Biomedicine	2002	University of Crete	Basic Sciences, Medical School	Effects of adenovirus mediated gene transfer of RxRa and Smad7 on the transcription of Apolipoprotein genes in HepG2 cells
BSc	2000	Aristotle University of Thessaloniki	Biology	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2022	Today	University of Cincinnati College of Medicine,	Cincinnati, OH, USA	Ohio Eminent Scholar & Professor

		Department of Pharmacology & Systems Physiology		
2020	2022	Temple University, Department of Cardiovascular Sciences & Center for Translational Medicine	Philadelphia, PA, USA	Associate Professor (tenured)
2014	2020	Temple University, Dept of Pharmacology & Center for Translational Medicine	Philadelphia, PA, USA	Assistant Professor (tenure-track)

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2021	Cardiomyocyte Krüppel-like Factor 5 Promotes De Novo Ceramide Biosynthesis and Contributes to Eccentric Remodeling in Ischemic Cardiomyopathy	Hoffman M, Palioura D, Kyriazis ID, Cimini M, Badolia R, Rajan S, Gao E, Nikolaidis N, Schulze PC, Goldberg IJ, Kishore R, Yang VW, Bannister TD, Bialkowska AB, Selzman CH, Drakos SG, Drosatos K	Circulation	143(11)	1139-1156
2	2021	KLF5 Is Induced by FOXO1 and Causes Oxidative Stress and Diabetic Cardiomyopathy.	Kyriazis ID, Hoffman M, Gaignebet L, Lucchese AM, Markopoulou E, Palioura D, Wang C, Bannister TD, Christofidou- Solomidou M, Oka SI, Sadoshima J, Koch WJ, Goldberg IJ, Yang VW,	Circulation Research	128(3): 335-357	335-357

			Bialkowska AB, Kararigas G, Drosatos K			
3	2020	Genomic Binding Patterns of Forkhead Box Protein O1 Reveal Its Unique Role in Cardiac Hypertrophy.	Pfleger J, Coleman RC, Ibbett J, Roy R, Kyriazis ID, Gao E, Drosatos K, Koch WJ.	Circulation	142(9)	882-898
4	2020	B-type natriuretic peptide is upregulated by c-Jun N-terminal kinase and contributes to septic hypotension.	Hoffman M, Kyriazis ID, Dimitriou A, Mishra SK, Koch WJ, Drosatos K	JCI Insight	5(8)	e133675
5	2019	Dual peroxisome-proliferator-activated-receptor- α/γ activation inhibits SIRT1-PGC1 α axis and causes cardiac dysfunction.	Kalliora C, Kyriazis ID, Oka SI, Lieu MJ, Yue Y, Area-Gomez E, Pol CJ, Tian Y, Mizushima W, Chin A, Scerbo D, Schulze PC, Civelek M, Sadoshima J, Madesh M, Goldberg IJ, Drosatos K	JCI Insight	5(17)	e129556
6	2019	Myocardial Strain and Cardiac Output are Preferable Measurements for Cardiac Dysfunction and Can Predict Mortality in Septic Mice.	Hoffman M, Kyriazis ID, Lucchese AM, de Lucia C, Piedepalumbo M, Bauer M, Schulze PC, Bonios MJ, Koch WJ, Drosatos K	J Am Heart Assoc	8(10)	e012260
7	2019	Cardiac myocyte KLF5 regulates body weight via alteration of cardiac FGF21.	Pol CJ, Pollak NM, Jurczak MJ, Zacharia E, Karagiannides I, Kyriazis ID, Ntziachristos P, Scerbo DA, Brown BR, Aifantis I, Shulman GI, Goldberg IJ, Drosatos K	Biochim Biophys Acta Mol Basis Dis	1865(9)	2125-2137
8	2019	Chemically synthesized Secoisolariciresinol diglucoside (LGM2605) improves mitochondrial function in cardiac myocytes and alleviates septic cardiomyopathy.	Kokkinaki D, Hoffman M, Kalliora C, Kyriazis ID, Maning J, Lucchese AM, Shanmughapriya S, Tomar D, Park JY, Wang H, Yang XF, Madesh M, Lymperopoulos A, Koch	J Mol Cell Cardiology	127	232-245

			WJ, Christofidou-Solomidou M, Drosatos K			
9	2017	Inhibition of NADPH oxidase 2 (NOX2) prevents sepsis-induced cardiomyopathy by improving calcium handling and mitochondrial function.	Joseph LC, Kokkinaki D, Valenti MC, Kim GJ, Barca E, Tomar D, Hoffman NE, Subramanyam P, Colecraft HM, Hirano M, Ratner AJ, Madesh M, Drosatos K, Morrow JP	JCI Insight	2(17)	e94248
10	2016	Cardiac Myocyte KLF5 Regulates Ppara Expression and Cardiac Function.	Drosatos K, Pollak NM, Pol CJ, Ntziachristos P, Willecke F, Valenti MC, Trent CM, Hu Y, Guo S, Aifantis I, Goldberg IJ	Circulation Research	118(2)	241-53

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	N/A	N/A	N/A	N/A	N/A

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)

Ref. Number	Date	Title	Funded by	Project Role*
1	9/2020-8/2023	Role of JNK and BNP in Septic Hypotension	NIGMS-NIH	PI
2	04/2020 – 03/2024	Role of cardiomyocyte KLF5 in heart failure	NHLBI-NIH	PI
3	07/2016 – 04/2022	Role of KLF5 in cardiac and systemic fatty acid metabolism	NHLBI-NIH	PI

4	7/2019-5/2021	Understanding How the Heart and Secreted Factors Can Regulate Fat Cells and Obesity	PA Cure	Co-I
5	09/2019 - 09/2021	F30 Predoctoral Fellowship	NHLBI-NIH	Sponsor (mentor)
6	07-2018 – 06-2020	Postdoctoral Fellowship	American Heart Association	Sponsor (mentor)
7	07-2018 – 08-2019	Predoctoral Fellowship	American Heart Association	Sponsor (mentor)
8	04/2017 – 03/2019	Research Training Program in Clinical & Experimental Medicine	Stavros Niarchos Foundation	Director
9	01/2018 – 12/2018	Cardiotoxic Effects of Dual PPAR α / γ Activation	W.W. Smith Charitable Trust	PI
10	07/2012 – 06/2017	K99/R00, NIH Pathway to Independence Award: Mechanisms of Reduced Fatty Acid Oxidation and Cardiac Dysfunction in Sepsis	NHLBI-NIH	PI

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.				
List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2022 - Today	University of Cincinnati	Faculty Advisory Committee, Cincinnati Early-Career Cardiovascular Researchers (ECVR) Network	Advisor of Early Career Investigators
2	2021 - 2022	International Society for Heart Research-North American Section	Chair-elect, Mid-Career Investigators Committee	Career Development of Mid-Career Investigators

3	2019 – Today	ARISTEiA- Institute for the Advancement of Research & Education in Arts, Sciences & Technology	Founder & Vice-President	www.aristeia.us
4	2018 – Today	American Heart Association	Membership and Communications Committee Member	Selection of the Fellows of the American Heart Association (Basic CV Sciences)
5	2010 – 2014	World Hellenic Biomedical Association	President of the Executive Board Director of the Summer School in Medical & Biosciences Research and Management	www.whba1990.org

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	June 2023	Honorary Membership	Biology Society of Cyprus
2	Apr 2023	Keynote Speaker	Trinity Translational Medicine Institute, Trinity College Dublin, Ireland
3	Dec 2022	Visiting Professorship	School of Medicine, Aristotle University of Thessaloniki, Greece
4	Dec 2019	Elected Full Member	Sigma Xi Scientific Research Honor Society, USA
5	Sep 2017	Early Research Investigator Award	Lewis Katz School of Medicine at Temple University, Philadelphia, USA

6	Jul 2017	Elected Fellow of the American Heart Association (FAHA)	American Heart Association, SUA
7	May 2016	Honorary Citizen	Municipality of Eastern Mani, Lakonia, Greece
8	Feb 2016	Visiting Professorship	Center for Systems Biomedicine, David Geffen School of Medicine at UCLA, USA
9	Jul 2014	Outstanding Early Career Award Recipient	American Heart Association, Basic Cardiovascular Sciences
10	Jul 2008	New Investigator Travel Award	American Heart Association, Basic Cardiovascular Sciences Conference

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	2022 – 2024	Member, Planning Committee on American Heart Association Scientific Sessions Program	Preparation of the Program of the American Heart Association Scientific Sessions
2	2022 - Today	Chair of the Organizing Committee (Interdisciplinary School for Environmental Crisis, Loutra Edipsou, Evia, Greece)	www.aristeia.us/isecc
3	2022	Member of Scientific Program Committee (International Society for Heart Research, XXIV World Congress, June 12-15, 2022, Berlin, Germany)	Preparation of the Program of the Society's World Conference
4	2022	Co-chair: 2nd Olympiad in Cardiovascular Medicine (Masonic Medical Research Institute; April 27-30, 2022; Heraklion, Crete-Greece)	Co-founder of the conference series and co-chair of the organizing committee www.cvolympiad.com
5	2012 - 2021	Coordinator & member of the organizing committee of the International Summer School in Medical & Biosciences Research and Management of the World Hellenic Biomedical Association, Greece	

6	Oct 2018	Co-chair: 6th International Conference on Biology and Pathobiology of KLF/Sp Transcription Factors, Kyoto, Japan	
7	May 2018	Co-chair: 1st Olympiad in Cardiovascular Medicine (World Hellenic Biomedical Association & Hellenic Society for Heart Failure Research; May 17-19, 2018; Athens-Greece)	
8	Aug 2016	Member of the organizing committee of the FASEB Science Research Conference on KLF and SP transcription factors in Disease and Regenerative Medicine	
9	2018 – Today	Editorial Board member, Journal of Molecular & Cellular Cardiology	
10	2021	Member of the Accreditation Panel of the Department of Pharmacy, Aristotle University of Thessaloniki, Greece	Accreditation organized by the National Committee for Higher Education of Greece

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Tzvetanova
Name:	Iva
Rank/Position:	Assistant Professor
Faculty:	School of Medicine
Department:	Medicine
Scientific Domain: *	Pharmacology

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Postdoctoral Fellow	2011-present	Neurogenetics	Max Planck Institute of Experimental Medicine, Göttingen, Germany	
Ph.D.	2004-2010	Molecular and Cellular Pharmacology	Stony Brook University, New York, USA	
B.Sc.	2003	Chemistry	Stony Brook University, New York, USA	
B.Sc.	2003	Molecular and Cellular Pharmacology	Stony Brook University, New York, USA	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			

2003-	2004	, Department of Pharmacology, Stony Brook University, Stony Brook,	NY, USA	Research Technician
2004-	2010	Department of Molecular and Cellular Pharmacology, Stony Brook University, Stony Brook,	NY, USA	Research/Graduate Assistant,
2011	-present	Department of Neurogenetics, Max Planck Institute for Experimental Medicine,	Göttingen, Germany	Postdoctoral Fellow,

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1		NeuroD2 controls inhibitory circuit formation in the molecular layer of the cerebellum.	Pieper A, Rudolph S, Wieser GL, Götze T, Mießner H, Yonemasu T, Yan K, Tzvetanova ID, Castillo BD, Bode U, Bormuth I, Wadiche JI, Schwab MH, Goebbels S.			
2	2013,	The Role of Myelin and Oligodendrocytes in Axonal Energy Metabolism.	Saab AS, Tzvetanova ID, Nave K-A.	Curr. Opin. Neurobiol.,	23(6): 1065-72	
3	2015,	STAT3 Represents a Molecular Switch Possibly Inducing Astroglial instead of Oligodendroglial Differentiation of Oligodendroglial Progenitor Cells in Theiler's Murine Encephalomyelitis. Neuropath.	Sun Y, Lehmbecker A, Kalkuhl A, Deschl U, Sun W, Rohn K, Tzvetanova ID, Nave KA, Baumgärtner W, Ulrich R.	Appl. Neurobiol.,	41(3): 347-70	
4	2016	Oligodendroglial NMDA receptors regulate glucose import and axonal energy metabolism.	Griesinger C, Hirrlinger J, Kirchhoff F, Nave K-A.	Neuron,	91(1): 119-32	

6	2012,	Goebbels S, Nave KA. Glycolytic Oligodendrocytes Maintain Myelin and Long-Term Axonal Integrity.	Fünfschilling U, Supplie LM, Mahad D, Boretius S, Saab AS, Edgar J, Brinkmann BG, Kassmann CM, Tzvetanova ID, Möbius W, Diaz F, Meijer D, Suter U, Hamprecht B, Sereda MW, Moraes CT, Frahm J,	Nature,	485(7399): 517-21	
7	2011	Glia Unglued: How Signals from the Extracellular Matrix Regulate the Development of Myelinating Glia.,	Colognato H and Tzvetanova ID.	Dev. Neurobiol	71(11): 924-55	
8	2010	Laminin Alters Fyn Regulatory Mechanisms and Promotes Oligodendrocyte Development	Relucio J, Tzvetanova ID, Ao W, Colognato H.	J. Neurosci.	113(1): 200-12	
9	2009	Tyrosine Phosphatases Shp1 and Shp2 Have Unique and Opposing Roles in Oligodendrocyte Development.	Kuo E, Park DK, Tzvetanova ID, Leiton CV, Cho BS, Colognato H.	J. Neurochem.,	29(38): 11794-806	
10	2007	Evaluation of Matrix Metalloproteinase 7 in Plasma and Pancreatic Juice as a Biomarker for Pancreatic Cancer.	Kuhlmann KFD, van Till JWO, Boermeester MA, de Reuver PR, Tzvetanova ID, Offerhaus GJA, ten Kate FJW, Busch ORC, van Gulik TM, Gouma DJ, Crawford HC.	Cancer Epidemiol. Biomarkers Prev	16(5): 886-91	

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1		N/A			

**Specify venue, geographic location etc*

**Research Projects. List the five (5) more recent and other five (5) selected
(max total 10)**

Ref. Number	Date	Title	Funded by	Project Role*
1		N/A		

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1		N/A		

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2007	Van der Kloot Award for Excellence in Teaching, Stony Brook University	
2	2008	Travel Fellowship, Myelin Gordon Conference Chair's Fund	

3	2009	Young Investigator Educational Enhancement (YIEE) Travel Grant from the American Society for Neurochemistry	
4	2009	Kevin King/John Miller Memorial Travel Award	
5	2009	David L. Williams Memorial Travel Award	
6	2010	Kevin King/John Miller Memorial Travel Award	

Other Achievements. List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Key Activities:
1		N/A	

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	STYLIANOU
Name:	ANDREAS
Rank/Position:	ASSISTANT PROFESSOR
Faculty:	SCHOOL OF SCIENCES
Department:	HEALTH SCIENCES
Scientific Domain: *	RESEARCH METHODOLOGY/ APPLIED BIOPHYSICS

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
<i>Ph.D</i>	2014	National Technical University of Athens	School of Electrical and Computer Engineering	Optical Radiation Effects on Collagen Topology Studied by AFM and SEM
<i>Ph.D</i>	2018	Open University of Cyprus	Health Care Management, Faculty of Economics and Management	Ethical and Social Aspects of New Medical Technology
MSc	2011	The Open University, United Kingdom	Faculty of Science, Technology, Engineering and Mathematics	Nanotechnology supported emerging non ionizing medical imaging modalities: The case of OCT and THz
Bachelor of Science	2007	National Technical University of Athens	School of Applied Mathematical and Physical Science	Study of the Production of Second Harmonic Generation from Collagen Structures with Atomic Force Microscopy

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2020	today	European University Cyprus	Nicosia, Cyprus	Assistant Professor
2015	2020	European University Cyprus	Cyprus	Part-time
2015	2020	University of Cyprus	Cyprus	Postdoctoral Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Pancreatic Cancer Presents Distinct Nanomechanical Properties During Progression	Voutouri, C., Mpekris, F. Stylianopoulos T.	Annals of Biomedical Engineering	51	1602–1615
2	2023	3D AFM nanomechanical characterization of biological materials	Kontomaris, S.V., Georgakopoulos, A., Malamou, A	Nanomaterials	13(3)	395
3	2022	Nanomechanical properties of solid tumors as treatment monitoring biomarkers	Andreas Stylianou, Fotios Mpekris, Chrysovalantis Voutouri, Antonia Papoui, Anastasia Constantinidou, Evros Kitiris, Michalis Kailides, Triantafyllos Stylianopoulos	Acta Biomaterialia	154	324-334
4	2022	Polymeric micelles effectively reprogram the tumor microenvironment to potentiate nano-immunotherapy in mouse breast cancer models	Myrofora Panagi, Fotios Mpekris, Pengwen Chen, Chrysovalantis Voutouri, Yasuhiro Nakagawa, John D Martin, Tetsuro Hiroi, Hiroko Hashimoto, Philippos Demetriou, Chryso Pierides, Rekha Samuel, Andreas Stylianou, Christina Michael, Shigeto Fukushima, Paraskevi Georgiou, Panagiotis Papageorgis, Petri Ch Papaphilippou, Laura Koumas, Paul Costeas,	Nature Communications	13	1-14

			Genichiro Ishii, Motohiro Kojima, Kazunori Kataoka, Horacio Cabral, Triantafyllos Stylianopoulos			
5	2022	Assessing Collagen D-Band Periodicity with Atomic Force Microscopy	A Stylianou	Materials	15 (4)	1608
6	2021	How did Correlative Atomic Force Microscopy and Super-Resolution Microscopy evolve in the quest for unravelling enigmas in biology?	Miranda, A. Gómez-Varela, A., Hirvonen, L., Sánchez, H., De Beule, P.	Nanoscale	13	2082-2099
7	2020	TGF- β inhibition combined with cytotoxic nanomedicine normalizes triple negative breast cancer microenvironment towards anti-tumor immunity	Panagi, M., Voutouri, C., Mpekris, F., Papageorgis, P., Martin, M., Martin, J. Demetriou, P., Pierides, C., Costeas, P., Polydorou, C., Stylianou, A., Louca, M., Kataoka, K., Cabral, H., Stylianopoulos, T.	Theranostics	10(4)	1910-1922
8	2019	Collagen content and extracellular matrix cause cytoskeletal remodelling in pancreatic fibroblasts	A Stylianou, V Gkretsi, M Louca, LC Zacharia, T Stylianopoulos	Journal of the Royal Society Interface	9(1)	20190-226
9	2018	AFM assessing of nanomechanical fingerprints for cancer early diagnosis and classification: From single cell to tissue level	Stylianou, A., Lekka, M., Stylianopoulos, T.	Nanoscale	10(45)	20930-20945
10	2018	Transforming growth factor- β modulates pancreatic cancer associated fibroblasts cell shape, stiffness and invasion	Stylianou, A., Gkretsi, V., Stylianopoulos, T.	Biochimica et Biophysica Acta - General Subjects	1862(7)	1537-1546

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	22-23 October 2022	Identifying unique nanomechanical signatures as possible biomarkers	International	Nicosia, Cyprus	Poster
2	26-26 June 2022	Nanomechanical signature of fibrosarcoma: from single cells to tissue level	International	Porto, Portugal	Podium
3	3 - 7 April 2022	Solid tumors nanomechanical fingerprints and collagen-based optical signatures	International	Strasbourg, France	Podium
4	29-30 September 2022	Nanomechanical assessment of cancer cells and solid tumors as a mechanical biomarker	International	Germany (online format, invited)	Podium
5	6 - 11 March 2021	Polarized light and Optical Angular Momentum for biomedical diagnostics, SPIE BIOS	International	San Francisco, California, USA (online format)	Podium
6	8-12 July 2018	8th World Congress of Biomechanics	International	Dublin, Ireland	Podium
7	4-8 September 2017	AFM Biomed Conference	International	Krakow, Poland	Podium
8	30 September 2016	Cyprus Researchers' Night 2016	Local	Nicosia, Cyprus	Poster
9	22-24 June 2016	EUROAFMForum	International	Geneva, Switzerland (podium).	Podium

10	2-7 February 2013	SPIE Nanoscale Imaging, Sensing, and Actuation for Biomedical Applications X	International	San Francisco, California, USA	Podium
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**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	05/2023- in progress	“Simultaneously nanomechanical and fluorescence characterization of fresh tissue biopsies”	Cyprus Research and Innovation Foundation	Principal Investigator
2	05/2022- in progress	“Nanomechanical FingerPrints of Pulmonary Fibrosis” (EXCELLENCE 0421/0263, “MechanoLung”)	Cyprus Research and Innovation Foundation	Principal Investigator
3	05/2022-02/2023	“3D Characterization of the nanomechanical properties of biological samples” (CONCEPT/0521/0069, “3D NANOBIOSAMPLES”)	Cyprus Research and Innovation Foundation	EUC coordinator
4	01/3/21 – 30/9/2022	“The NanoMechanical Profile of Sarcoma” (CULTURE/AWARD-YR/0119, “MehanoSarcoma”)	Cyprus Research and Innovation Foundation	Principal Investigator
5	01/01/2019-31/8/2020	“NanoMechanical FingerPrints of Pancreatic Cancer” (“PACA-FingerPrints”)	University of Cyprus Advanced Post-doctoral Research Fellowship	Principal Investigator
6	12/10/2018-11/10/2022	Correlated Multimodal Imaging in Life Sciences” (COMULIS, CA17121)	COST ACTIONS	Cyprus Management Committee (MC) member
7	01/05/2019-31/10/2020	Identification of nano-mechanical fingerprints as a biomarker for cancer	European Research Council	Post-doctoral Research Fellow

		treatment prognosis (ERC-2018-PoC-838414 CancerFingerPrints)		
8	06/2015-05/2017	MYO-DESMOPLASIA: Modulating the behaviour of cancer myofibroblasts to control tumour desmoplasia	Horizon 2020 - Marie Skłodowska-Curie Individual Fellowship	Fellow
9	09/2010 – 04/2014	Optical Radiation Effects on Collagen Topology Studied by AFM and SEM	Co-financed by the European Union (European Social Fund – ESF) and Greek national funds through the Operational Program “Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) - Research Funding Program: Heracleitus II.	Fellow
10	10/2007-11/2009	Non-linear microscopy investigation of quaternary structure of collagen	Karatheodoris, BasicResearch Program, National Technical University of Athens	Fellow

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	2020	Young Researcher Award	European University Cyprus
2	2019	<i>CYPRUS RESEARCH AWARD – YOUNG RESEARCHER</i>	CYPRUS RESEARCH AND INNOVATION FOUNDATION
3	15-17 November, 2018	1st poster award, Louca, M., Stylianos A., Minia, A., Pliaka, V., Alexopoulos, L., Gkretsi, V., and Stylianopoulos, T. (2018) "Opposing effects of RSU-1 silencing in glioma cell invasion depending on their aggressiveness"	6th International Multithematic Bio-Medical Congress (IMBMC), Bio-Medical Scientific Cyprus (BSC)
4	2013	"Progress of Science" award	Thomaidio Foundation, NTUA, Greece
5	06/2012	Part of the work that was performed in the BOAB Laboratory by Stylianos A. for the needs of his PhD Thesis under the supervision of prof. D. Yova was specially presented by the editor in the July 2012 issue of Photonics Spectra (Savage, L. (2012) "Nanoscale biomaterials require close observation" Photonics Spectra 46 (7) , pp. 46-50).	Photonics Spectra
6	2012	"Progress of Science" award	Thomaidio Foundation, NTUA, Greece
7	2011	"Progress of Science" award	Thomaidio Foundation, NTUA, Greece

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	02/2014	The target Selection Team at Global Medical Discovery has identified the publication: "Surface nanoscale imaging of collagen thin films by Atomic Force Microscopy" as a Key Scientific Article contributing to excellence in biomedical research	Tribute at Global Medical Discovery

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Zaravinos
Name:	Apostolos
Rank/Position:	Professor
Faculty:	School of Sciences
Department:	Department of Life Sciences
Scientific Domain: *	Cancer Genetics/Genomics

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Specialization in Genomic Data Science	2018	Johns Hopkins University, Baltimore, Maryland, USA	McKusick-Nathans Institute of Genetic Medicine	Differential expression between fetal and aged brains
Specialization in Systems Biology	2015	Systems Biology Center, New York, USA	Icahn School of Medicine, Mount Sinai	Identification of deregulated genes after single gene perturbation in mammalian cell lines or tissues
PhD in Medicine (par excellence)	2008	University of Crete, Greece	School of Medicine	Mutations and differential expression of the oncogenes RAS and BRAF and detection of viral DNA in human nasal polyposis
BSc in Biology	2005	University of Crete, Greece	Department of Biology	The role of Fras1/Frem proteins in basement membrane function

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2015	Present	European University Cyprus	Department of Life Sciences, School of Sciences	Professor
2014	2016	Karolinska Institutet Huddinge, Stockholm, Sweden	Department of Laboratory Medicine, Laboratory of Immunogenetics	Senior Post-Doctoral Research Fellow
2011	2014	University of Cyprus, Nicosia, Cyprus	Department of Biological Sciences, Molecular Medicine Research Center (MMRC)	Post-Doctoral Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2023	Signatures of co-deregulated genes and their transcriptional regulators in kidney cancers	Ioannou I, Chatziantoniou A, Drenios C, Christodoulou P, Kourti M, Zaravinos A	Int J Mol Sci	24	6577
2	2023	Deregulated gene expression profiles and regulatory networks in adult and pediatric RUNX1/RUNX1T1-positive AML patients	Kanellou P. Georgakopoulos-Soares I, Zaravinos A	Cancers	15	1795
3	2023	Strand Asymmetries Across Genomic Processes	Moeckel C, Zaravinos A, Georgakopoulos-Soares I	Comput Struct Biotechnol J	21	2036- 2047

4	2023	Genome-Wide Analysis of lncRNA-mRNA Co-Expression Networks in CD133+/CD44+ Stem-like PDAC Cells	Eptaminitaki GC, Zaravinos A, Stellas D, et al.	Cancers	15	1053
5	2022	Genomic landscape of the immunogenicity regulation in skin melanomas with diverse tumor mutation burden	Georgoulis G, Zaravinos A	Front Immunol	13	10066 65
6	2018	RKIP: A Key Regulator in Tumor Metastasis Initiation and Resistance to Apoptosis: Therapeutic Targeting and Impact	Zaravinos A, Bonavida B, Chatzaki E, et al.	Cancers (Basel)	10(9)	pii: E287
7	2018	Proteomics of liquid biopsies: Depicting RCC infiltration into the renal vein by MS analysis of urine and plasma	Chinello C, Stella M, Piga I, et al.	J Proteomics	pii: S1874- 3919(18)	30179- 9
8	2016	Extraction and Analysis of Mammalian Gene Expression Signatures from GEO by the Crowd	Wang Z, Monteiro CD, Jagodnik KM, et al.	Nat Commun	7	12846
9	2015	Aberrant recombination and repair during immunoglobulin class switching in BRCA1-deficient human B cells	Björkman A, Qvist P, Du L, et al.	Proc Natl Acad Sci U S A	112(7)	2157- 62
10	2014	Exome sequencing reveals novel mutation targets in diffuse large B cell lymphomas derived from Chinese patients	de Miranda NFCC, Georgiou K, Chen L, et al.	Blood	124(16)	2544- 53

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	8-11 March, 2023	Cross-talks between RKIP and YY1: A multilevel pan-cancer analysis focusing on their expression, mutation, methylation, immune infiltration, and drug resistance	1 st Joint International Symposium on "Prognostic and Therapeutic Implications of RKIP and YY1 in Cancer, Diabetes and Cardiovascular Diseases"	Catania, Sicily, Italy	Invited oral presentation
2	11-13 November 2022	Genomic landscape of the immunogenicity regulation in skin melanomas with diverse tumor mutation burden	4 th Cyprus Oncology Conference 'Making progress in Cancer Care with Research Innovation and Multidisciplinary Collaboration'	Nicosia, Cyprus	Invited oral presentation
3	3-5 November 2022	Signatures of co-deregulated genes and their transcriptional regulators in kidney cancers	10 th International Multithematic Bio- Medical Congress (IMBMC)	Nicosia, Cyprus	Oral presentation
4	22-23 October 2022	Distinct genomic features across cytolytic subgroups in skin melanoma	1 st βιοϋ-SBSCy National Conference on Molecular Life Sciences (FEBS)	Nicosia, Cyprus	Oral presentation
5	November 9-14, 2020	Distinct genomic features across cytolytic subgroups in skin melanoma	Society for Immunotherapy of Cancer (SITC) 35 th Anniversary Annual Meeting during SITC 2020	Milwaukee, WI, USA (Virtual)	Oral presentation
6	15-17 November, 2018	Mutational signatures and kataegis across distinct cytolytic subgroups of colorectal cancer	6 th International Multithematic Bio- Medical Congress (IMBMC), School of Medicine, European	Nicosia, Cyprus	Invited oral presentation

			University Cyprus (International)		
7	20-22 September 2018	Co-deregulated genes and their transcriptional regulators in colorectal cancer	23 rd World Congress on Advances in Oncology & 21st International Symposium on Molecular Medicine (International)	Athens, Greece	Poster presentation
8	7-12 July 2018	Prognostic impact of immune cytolytic activity and its association with checkpoint molecules and TIL/TAN load in human malignancies	The FEBS Congress 2018 - Prague, Czech Republic (International)	Prague, Czech Republic	Poster presentation
9	17-20 March 2018	Nrf2 Prevents Notch-induced Insulin Resistance and Tumorigenesis In Mice	ENDO2018 (International)	Chicago, Illinois, USA	Oral presentation
10	15-17 November 2018	Mutational signatures and kataegis across distinct cytolytic subgroups of colorectal cancer	6 th International Multithematic Bio-Medical Congress (IMBMC), School of Medicine, European University Cyprus (International)	Nicosia, Cyprus	Invited oral presentation

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	January 2023	LEVERaging knowLedge of training providers in UPskilling and reskilling of SMEs' managers and employees towards empowering their digital transformation	HORIZON Call: DIGITAL-2022-TRAINING-02 (Digital Training) (Proposal number: 101100679) Funding: 4,838,991.54 €	EUC/Local Coordinator

2	March 2022	Targeting the desmoplastic tumor microenvironment to improve the efficacy of pancreatic cancer (PaCalImmuno)	Research Promotion Foundation Cyprus (EXCELLENCE/0421/0179) Funding: 249,721.72 €	Researcher
3	June 2018	Functional and therapeutic implications of histone N-terminal acetyltransferase Naa40 in colorectal oncogenesis	Research Promotion Foundation Cyprus (EXCELLENCE/1216/0036) Funding: 250,000.00 €	Researcher
4	June 2018	Genetic modifiers in Alport syndrome and thin basement membrane nephropathy	Research Promotion Foundation Cyprus (EXCELLENCE/1216/0417) Funding: 250,000.00 €	Researcher
5	January 2017	Donkey Milk Bioactive Powder	Research Promotion Foundation Cyprus (ENTERPRISES/0916/0083) Funding: 200,000.00 €	Researcher
6	November 2014	RNA sequencing of diffuse large B-cell lymphoma	Karolinska Institutet's 2014 Research Foundation Grant. Grant Number: H553104033 (2014fobi41242) Funding: 33,700.00 SEK	Scientific/Project Coordinator
7	October 2014	Discovery of therapeutic targets in diffuse large B cell lymphoma	Wenner-Gren Foundation Funding: 20,000.00 SEK	Researcher
8	January 2012	Creation of a kidney specific Biobank and infrastructure for genomics/proteomics research	European Regional Development Fund and the Republic of Cyprus through the Research Promotion Foundation (Strategic Infrastructure Project NEW INFRASTRUCTURE/STRATEGIC/0308/24) Funding: 2.0 million €	Researcher
9	January 2010	Hellenic Obstetrics and Gynecology Society	Detection of trophoblastic cells at the outer cervical hilum of pregnant women using an automated FISH system. Contribution to the establishment of non-invasive prenatal diagnosis during the first semester of pregnancy Funding: 22,000 €	Researcher

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	31 Oct 2022 – 28 Feb 2023	International Journal of Molecular Sciences (IJMS)	Guest Editor of the Special Issue "Latest Review Papers in Molecular Genetics and Genomics 2023"	<ul style="list-style-type: none"> • Preparing the Special Issue title, aim & scope, summary and keywords; • Providing a list of potential contributors; • Pre-screen, supervise the whole peer-review process and take decisions on new submissions in the Special Issue; • Promotion of the Special Issue at conferences, on social media and other relevant platforms.
2	21 Oct 2022 – today	Frontiers in Oncology	Editorial Board Member (Associate Editor) of "Cancer Molecular Targets and Therapeutics" (specialty section of Frontiers in Oncology and Frontiers in Pharmacology)	<ul style="list-style-type: none"> • Oversee the peer-review and take the final acceptance decision on manuscripts. • Responsible for certifying the validity and accuracy of publications, and for helping authors to improve the quality of their manuscripts as well as the way in which the research is communicated.
3	15 July 2021 – today	International Journal of Molecular Sciences (IJMS)	Editorial Board Member	<ul style="list-style-type: none"> • Oversee the peer-review and take the final acceptance decision on manuscripts. • Responsible for certifying the validity and accuracy of publications, and for helping authors to improve the quality of their manuscripts as well as the way in which the research is communicated.

4	1 May 2022– 30 Apr 2023	Frontiers in Genetics	Guest Editor for the Research Topic " Mutational signatures and immune response in cancer"	<ul style="list-style-type: none"> • Preparing the Special Issue title, aim & scope, summary and keywords; • Providing a list of potential contributors; • Pre-screen, supervise the whole peer-review process and take decisions on new submissions in the Special Issue; • Promotion of the Special Issue at conferences, on social media and other relevant platforms.
5	15 Mar – 30 Nov 2022	Frontiers in Oncology	Guest Editor for the Research Topic "Tumor microenvironment, inflammation, and resistance to immunotherapies"	<ul style="list-style-type: none"> • Preparing the Special Issue title, aim & scope, summary and keywords; • Providing a list of potential contributors; • Pre-screen, supervise the whole peer-review process and take decisions on new submissions in the Special Issue; • Promotion of the Special Issue at conferences, on social media and other relevant platforms.
6	28 Feb – 30 Sept 2022	International Journal of Molecular Sciences (IJMS)	Guest Editor for the Special Issue Title "Data Science in Cancer Genomics and Precision Medicine"	<ul style="list-style-type: none"> • Preparing the Special Issue title, aim & scope, summary and keywords; • Providing a list of potential contributors; • Pre-screen, supervise the whole peer-review process and take decisions on new submissions in the Special Issue; • Promotion of the Special Issue at conferences, on social media and other relevant platforms.

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1	10 May 2023	Research Award - Distinguished Researcher 2022	European University Cyprus
2	Oct 2022	Included in the list of the top 2% of the world's most-cited and influential scientists in their main subfield discipline	Stanford University Ioannidis, John P.A. (2022), "September 2022 data-update for "Updated science-wide author databases of standardized citation indicators"", Mendeley Data, V4, doi: 10.17632/btchxktzyw.4 https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4
3	Apr 2022	IJMS 2021 Young Investigator Award	International Journal of Molecular Sciences (IJMS) https://www.mdpi.com/journal/ijms/awards/1449
4	Oct 2021	Included in the list of the top 2% of the world's most-cited and influential scientists in their main subfield discipline	Stanford University Baas, Jeroen; Boyack, Kevin; Ioannidis, John P.A. (2021), "August 2021 data-update for "Updated science-wide author databases of standardized citation indicators"", Mendeley Data, V3, doi: 10.17632/btchxktzyw.3 https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/3
5	Dec 2020	Included in the list of the top 2% of the world's most-cited and influential scientists in their main subfield discipline	Stanford University PLOS Biology journal https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000384 https://data.mendeley.com/datasets/btchxktzyw/2
6	Nov 2018	2 nd Best Presentation Award. 6th International Multithematic Bio-Medical Congress (IMBMC)	School of Medicine, European University Cyprus
7	Oct 2017	1 st Young Investigator Award. The 3 rd Cyprus Oncology Conference: New Frontiers in Cancer Prevention and Personalised Treatment	The Cyprus Anti-Cancer Society
8	17 November 2018	2 nd best presentation award	6 th International Multithematic Bio-Medical Congress (IMBMC), School of Medicine, European University Cyprus
9	29 October 2017	1 st Young Investigator Award	The 3 rd Cyprus Oncology Conference: New Frontiers in Cancer Prevention and Personalized Treatment. Limassol, Cyprus
10	15 February 2017	Science Award 2017	Youth Board of Cyprus & Cooperative Central Bank Ltd

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	2008-today	Reviewer	Ad hoc manuscript reviews for peer reviewed journals (publons.com/a/1365437/)
2	Set 2022 - today	Elected Faculty Representative of the School of Sciences at the Senate, European University Cyprus	Meetings attendance and decision voting
3	July 2021-today	Elected board member, βιοϑ-Society of Biological Sciences in Cyprus (βιοϑ-SBSCy)	Meetings attendance and decision voting Promotion of the Society
4	20 May 2018	Ad hoc evaluations	Member of the Examination Committee of Mr. Theodoulakis' Christofi PhD thesis defence (University of Cyprus)
5	3 May 2018	Seminar provider	Invited research seminar in the Life Science Seminar Series, titled "Immune cytolytic activity in colorectal cancer". School of Science and Technology, Örebro University, Sweden
6	September 2016-2017	Proposal evaluator	Evaluator of proposals submitted to the Ministry of Energy, Trade, Industry and Tourism, Cyprus (YEEBT)
7	July 2016-July 2017	EUC Faculty Development	Accomplishment of the EUC Faculty Development Program
8	September 2016-today	Member of the EUC School of Sciences Council	Meetings attendance and decision voting
9	September 2016-today	Member of the EUC Research Council	Meetings attendance and decision voting
10	28 January 2014	External referee	External referee for the University of Foggia's Fund, in response to the call issued by the Rector's Decree protocol number 2523-I/7, Rep. A.U.A. no. 29-2014

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Vlahou
Name:	Antonia
Rank:	Adjunct Professor
Faculty:	School of Sciences
Department:	Life Sciences
Scientific Domain: *	Proteomics /Systems Biology

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title
PhD	1997	Baylor College of Medicine, USA	Cell and Molecular Biology	Functional analysis of COUP-TF
BS	1991	University of Athens	School of Biology	

Employment history – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
05/2003	present	Biomedical Research Foundation, Academy of Athens	Athens, Greece	Research Scientist, Professor Level, co-Director Proteomics
07/2013	09/2015	Plymouth University, UK	Plymouth, UK	Reader/Associate Professor
01/2001	03/2003	Eastern VA Medical School, USA	Norfolk, VA	Research Assistant Professor

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Proteomics biomarkers for solid tumors: Current status and future prospects.	Belczacka I, Latosinska A, Metzger J, Marx D, Vlahou A, Mischak H, Frantzi M.	Mass Spectrom Rev		doi: 10.1002/mas.21572
2	2018	Plasma proteomic analysis reveals altered protein abundances in cardiovascular disease	Lygirou, V., Latosinska, A., Makridakis, M., Mullen, W., Delles, C., Schanstra, J.P., Zoidakis, J., Pieske, B., Mischak, H., Vlahou, A.	J Transl Med	16	104
3	2017	Proteomics analysis of bladder cancer invasion: Targeting EIF3D for therapeutic intervention	Latosinska A, Mokou M, Makridakis M, Mullen W, Zoidakis J, Lygirou V, Frantzi M, Katafigiotis I, Stravodimos K, Hupe MC, Dobrzynski M, Kolch W, Merseburger AS, Mischak H, Roubelakis MG, Vlahou A	Oncotarget	8	69435
4	2017	Urinary peptidomics analysis reveals proteases involved in diabetic nephropathy.	Krochmal M, Kontostathi G, Magalhães P, Makridakis M, Klein J, Husi H, Leierer J, Mayer G, Bascands JL, Denis C, Zoidakis J, Zürbig P, Delles C, Schanstra JP, Mischak H, Vlahou A.	Sci Rep	7	15160
5	2017	Identification of novel molecular signatures of IgA nephropathy through an integrative -omics analysis.	Krochmal M, Cisek K, Filip S, Markoska K, Orange C, Zoidakis J, Gakiopoulou C, Spasovski G, Mischak H,	Sci Rep	7	9091

			Delles C, Vlahou A, Jankowski J.			
6	2016	Integrative analysis of extracellular and intracellular bladder cancer cell line proteome with transcriptome: improving coverage and validity of -omics findings.	Latosinska A, Makridakis M, Frantzi M, Borràs DM, Janssen B, Mullen W, Zoidakis J, Merseburger AS, Jankowski V, Mischak H, Vlahou A.	Sci Rep	6	25619
7	2016	PeptiCKDdb-peptide- and protein-centric database for the investigation of genesis and progression of chronic kidney disease.	Krochmal, M., Fernandes, M., Filip, S., Pontillo, C., Husi, H., Zoidakis, J., Mischak, H., Vlahou, A., and Jankowski, J	Database (Oxford)		pii: baw12 8.
8	2016	Development and Validation of Urine-based Peptide Biomarker Panels for Detecting Bladder Cancer in a Multi-center Study	Frantzi M, van Kessel KE, Zwarthoff EC, Marquez M, Rava M, Malats N, Merseburger AS, Katafigiotis I, Stravodimos K, Mullen W, Zoidakis J, Makridakis M, Pejchinovski M, Critselis E, Lichtinghagen R, Brand K, Dakna M, Roubelakis MG, Theodorescu D, Vlahou A, Mischak H, Anagnou NP.	Clin Cancer Res 22,	22	4077
9	2016	Silencing of Profilin-1 suppresses cell adhesion and tumor growth via predicted alterations in integrin and Ca ²⁺ signaling in T24M-based bladder cancer models.	Frantzi M, Klimou Z, Makridakis M, Zoidakis J, Latosinska A, Borràs DM, Janssen B, Giannopoulou I, Lygirou V, Lazaris AC, Anagnou NP, Mischak H, Roubelakis MG, Vlahou A.	Oncotarget 7,	7	70750
10	2015	Developing proteomic biomarkers for bladder cancer: towards clinical application.	Frantzi M, Latosinska A, Flühe L, Hupe MC, Critselis E, Kramer MW, Merseburger AS, Mischak H, Vlahou A.	Nat Rev Urol.	12(6)	317

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition

*Specify venue, geographic location etc

**Research Projects. List the five (5) more recent and other five (5) selected
(max total 10)**

Ref. Number	Date	Title	Funded by	Project Role*
1	01/2018-12/2022	. “Combatting the CardioRenal Syndrome: towards an integrative Analysis to reduce cardiovascular burden in chronic kidney disease” (Caresyan)	Marie Curie Initial Training Network	Partner Leader
2	01/2017-12/2021	. Translational Research Network in Prostate Cancer (Transpot)	Marie Curie Initial Training Network	Partner Leader
3	01/2012-12/2016	Title of study: NOX enzymes as mediators of inflammation-triggered neurodegeneration: modulating NOX enzymes as novel therapies (NEURINOX).	European Union-Framework Program 7.	Partner Leader
4	9/2013-8/2017	“Clinical and system –omics for the identification of the MOlecular DEterminants of established Chronic Kidney Disease	Marie Curie Initial Training Network	Coordinator
5	9/2013-8/2016	Translation of novel Biomarkers for Bladder Cancer for clinical outcome prediction. (TransBioBC)	FP7-HEALTH-2013-INNOVATION-2:	Coordinator
6	02/2014-02/2018	Systems Biology to Identify Molecular Targets for Vascular Disease Treatment. (SysVasc) (Group Leader)	FP7-HEALTH-2013-INNOVATION-1:	Partner Leader

7	10/2012-9/2016	Molecular Medicine for Bladder Cancer (BCMolMed)	Marie Curie-European-Industrial Doctorate (EID).	Partner Leader
8	05/2010-05/2014	IMPROVEMENT OF TOOLS AND PORTABILITY OF MASS SPECTROMETRY-BASED CLINICAL PROTEOMICS AS APPLIED TO CHRONIC KIDNEY DISEASE (PROTOCLIN).	Marie Curie Industry-Academia Partnerships and Pathways (IAPP):	Partner Leader
9	3/2008-7/2012	Title of study: "Novel –MS based strategies for the Discovery and Evaluation of Cancer Biomarkers in urine: Application to Bladder Cancer Diagnosis (DECanBio)"	European Union-Framework Program 7.	Partner Leader
10	5/2008-9/2012	Urine and Kidney Proteomics	European Union-COST (Cooperation in the Field of Scientific and Technical Research) Action.	Coordinator

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

**Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1	2014-present	European Society of Urological Research (ESUR)	Board Member	Organization of Annual meetings, promotion of urological research, coordination with other urological and oncological basic science organizations (eg SBUR, EAU, SUO)

2	2010-2017	European Medicine Agency	External expert, biomarker qualification team	Provide expert advice on applications for qualification of biomarkers
3	2018-	Scientific Reports	Member of Editorial Board	Manage submitted manuscripts
4	2012-2016	FP7 Eu Program PRIORITY	Member of the Scientific Advisory Board	Oversee activities
5	2014-	PLOS One	Member of Editorial Board	Manage submitted manuscripts

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Title	Awarded by:
1	March 2018	Invited Chair of session 'Urothelial tumors: Immune regulation' and presenter of state of the art lecture "Proteomics of bladder cancer: Possibilities and perspectives" Annual meeting of the European Association of Urology, Copenhagen, Denmark	European Association of Urology
2	March 2017	Invited Moderator in the Joint session of the EAU Section of Urological Pathology (ESUP) and the EAU Section of Urological Research (ESUR) entitled "Biomarkers and tumour heterogeneity: Friends or enemies for differential therapy?" Congress of the European Association of Urology, London, UK	European Association of Urology
3	April 2017	Invited talk: "iMODE-CKD: Proteomic Data Base of CKD for Biomarker and Molecular Target Discovery' Workshop entitled:	International Association of Nephrology

		“Introduction into Web-Based Data Mining of Large Scale Renal Data Sets”. ISN World Congress of Nephrology (WCN) 2017, Mexico City, Mexico	
4	April 2017	Invited Talk“Proteomics for CKD Biomarker and Drug Target Discovery”. Joint Session ‘Big Data for Better Outcomes’ in partnership with the American Society of Nephrology (ASN). ISN World Congress of Nephrology (WCN) Mexico City, Mexico	International Association of Nephrology
5	March 2016	Invited Chair and presenter of summary – outlook of poster session “Regulation of urothelium carcinogenesis and progression” Annual meeting of the European Association of Urology, Munich, Germany	European Association of Urology
4	September 2015	Invited talk: “Urine proteomics for biomarker and drug target discovery”. Urinomics conference, Caparica, Portugal	Proteomass society
5	April 2014.	Invited Chair of session entitled: “Characterisation of bladder cancer” . Joint Meeting of the EAU Section of Urological Imaging (ESUI), the EAU Section of Uropathology (ESUP) and the EAU Section of Urological Research (ESUR). Meeting of European Association of Urology (EAU), Stockholm, SE,	European Association of Urology
6	April 2014	Invited Chair of poster session entitled: “Bladder cancer biomarkers in prediction of disease aggressiveness” Meeting of European Association of Urology (EAU), Stockholm, SE	European Association of Urology
7	November 2013.	Invited talk: “Proteomic bladder cancer biomarkers: from discovery to implementation”. Society of Basic Urologic	European Society of Urological Research-Society of Basic Urological Research (US)

		Research (SBUR) meeting, Nashville TN, USA	
8	September 2013.	Invited Talk:'Urinary Proteomics Biomarkers". Urinomics Meeting, Caparica, Portugal	Proteomass society
9	September 2013	"Proteomics biomarkers for bladder cancer: from discovery to implementation". European Society of Urological Research (ESUR) Meeting, Dresden, Germany	European Society of Urological Research
10	July 2011	Invited talk: "Application of proteomics technologies in the investigation of bladder cancer biomarkers". Kitasato Symposium of Disease proteomics (KSDP), Tokyo, Japan	Japanese Proteomics Association

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Title	Key Activities:
1	2014,2015, 2018	French National Research Council, France	Reviewer of Grant Applications
2	2018	Integration of omics Approaches and Systems Biology for Clinical Applications Editors: Antonia Vlahou, Harald Mischak, Fulvio Magni, Jerome Zoidakis John Wiley & Sons, in press	Book Editor
3	2014, 2018	Cancer Research UK	Reviewer of Grant Applications
4	2017, 2018	Science Foundation Ireland	Reviewer of Grant Applications
5	2017	National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institute of Health,USA Review Panel	Reviewer of Grant applications
6	2013-2017	Annual training courses and scientific meetings of the iMODE-CKD collaborative project (one meeting per year)	Main scientific organizer of the annual training courses and scientific meetings of the iMODE-CKD collaborative project (to which I served as Chair)
7	2016	Post Graduate Certificate in Higher Education (PGCAP): received certificate (September 2016)	Formal certification for teaching in Higher Education Settings in the UK

		after successful completion of PGCAP courses (PGCAP 700, 760, 770): Plymouth University	
8	2015	Clinical Proteomics (second edition), Methods in Molecular Biology Series. Editors: Antonia Vlahou, Manousos Makridakis. Springer, 2015. (ISBN: 978-1-4939-1871-3 (Print) 978-1-4939-1872-0	Book Editor
9	2008	Clinical Proteomics. Methods in Molecular Biology Series. Editor: Antonia Vlahou. Springer, 2008 (ISBN: 9781588298379	Book Editor
10	2008-2012	Annual meetings of the COST Action: Urine and Kidney Proteomics (EuroKUP) (one meeting per year)	Main scientific organizer of the annual meetings of the COST Action EuroKUP (to which I served as Chair)

Academic Personnel Short Profile / Short CV

University:	EUROPEAN UNIVERSITY CYPRUS
Surname:	CHRISTODOULIDES
Name:	STEPHANOS
Rank/Position:	SCIENTIFIC COLLABORATOR
Faculty:	SCHOOL OF SCIENCES
Department:	DEPARTMENT OF LIFE SCIENCES
Scientific Domain: *	MEDICAL CHEMISTRY-BIOCHEMISTRY-NUTRITION AND METABOLISM

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD Digestive Diseases and Nutrition	2019	Queen Mary University of London	Barts and The London School of Medicine and Dentistry	“Multidimensional Risk Factor Assessment in Chronic Idiopathic Constipation, with A Focus on Fibre”
Diploma (QDip) Researcher Development	2019	Queen Mary University of London	Barts and The London School of Medicine and Dentistry	
Postgraduate Certificate Applied Sports Nutrition	2011	St Mary’s University, London	School of Sport, Health and Applied Science	
BSc (Hons) Dietetics	2011	University of Plymouth	School of Health Professions	
MSc Clinical Nutrition (Distinction)	2009	University of Roehampton, London	Department of Life Sciences	
MSc Applied Biochemistry and Biotechnology (Distinction)	2006	University of Patras	Department of Chemistry	
Certificate	2004	University of Patras	Department of Chemistry	

Oenology				
BSc (Hons) Chemistry	2003	University of Patras	Department of Chemistry	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
October 2019	Present	European University Cyprus	Nicosia	Scientific Collaborator
February 2019	Present	King's College London	London	Postdoctoral Research Associate
June 2013	Jan 2019	King's College London	London	Research Associate
February 2013	Jan 2019	Queen Mary University of London	London	Doctoral Researcher

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	Normative values for region-specific colonic and gastrointestinal transit times in 111 healthy volunteers using the 3D-Transit electromagnet tracking system: Influence of age, gender, and body mass index	Gursharan Kaur Nandhra, Esben Bolvig Mark, Gian Luca Di Tanna, Anne-Mette Haase, Jakob Poulsen, Stephanos Christodoulides , Victor Kung, Mette W. Klinge, Karoline Knudsen, Per Borghammer, Katrine O. Andersen, Lotte Fynne, Nanna Sutter, Vincent Schlageter, Klaus Krogh, Asbjørn Mohr Drewes, Malcolm Birch, S. Mark Scott	Neurogastroenterology and Motility	32	13734-13747
2	2019	Randomised clinical trial: <i>Bifidobacterium lactis</i> NCC2818 probiotic versus placebo, and impact on gut transit time, symptoms, and gut microbiology in chronic constipation	Eirini Dimidi, Ausra Zdanaviciene, Stephanos Christodoulides , Shiva Taheri, Petra Louis, Peter I. Duncan, Nashmil Emami, Rafael Crabbe, C. Antonio DeCastro, Peter McLean, Gabriela E. Bergonzelli, Kevin Whelan, S. Mark Scott	Alimentary Pharmacology and Therapeutics	49	251-264
3	2017	Mechanisms of Action of Probiotics and the Gastrointestinal Microbiota on Gut Motility and Constipation	Eirini Dimidi, Stephanos Christodoulides , S. Mark Scott, Kevin Whelan	Advances in Nutrition	8	484-494

4	2016	Systematic review with meta-analysis: effect of fibre supplementation on chronic idiopathic constipation in adults	S. Christodoulides , E. Dimidi, K. C. Fragkos, A. D. Farmer, K. Whelan, S. M. Scott	Alimentary Pharmacology and Therapeutics	44	103-116
5	2015	Slow transit constipation is associated with altered colonic pH and increased motility: Novel findings from studies using the wireless motility capsule	SD Mohammed, YT Wang, A Farmer, S Christodoulides , J Semler, P Hellstrom, A Hobson, P Dinning, SM Scott	Gut	64	PWE-247
6	2015	The Effect of Fibre on Chronic Constipation in Adults: A Systematic Review and Meta-Analysis	S. Christodoulides , E. Dimidi, K. C. Fragkos, K. Whelan, S. M. Scott	Proceedings of the Nutrition Society	74	E34
7	2014	The effect of probiotics on functional constipation in adults: A systematic review and meta-analysis of randomized controlled trials	Eirini Dimidi, Stephanos Christodoulides , Konstantinos C. Fragkos, S. Mark Scott, Kevin Whelan	American Journal of Clinical Nutrition	100	1075-1084
8	2014	The effect of fibre on chronic constipation in adults: A systematic review	S Christodoulides , E Dimidi, KC Fragkos, PG McLean, Q Aziz, K Whelan, SM Scott	Gut	63	PWE-184
9	2014	The Effect of Probiotics on Functional Constipation: A Systematic Review of Randomised Controlled Trials	E. Dimidi, S. Christodoulides , K. C. Fragkos, S. M. Scott, K. Whelan	Proceedings of the Nutrition Society	73	E16
10	2012	The effect of the classical and medium chain triglyceride ketogenic diet on vitamin and mineral levels	Christodoulides S. , Neal E. G., Fitzsimmons G., Chaffe H. M., Jeanes Y.M., Aitkinhead H., Cross J. H.	Journal of Human Nutrition and Dietetics	25	16-26

**Exhibitions (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10)**

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	June 2015	Slow transit constipation is associated with altered colonic pH and increased motility: Novel findings from studies using the wireless motility capsule	Digestive Disorders Federation Meeting	London, England, UK	Presenter: Original Communication
2	July 2014	The Effect of Fibre on Chronic Constipation in Adults: A Systematic Review and Meta-Analysis	The Nutrition Society Annual Summer Meeting on Carbohydrates in health	Glasgow, Scotland, UK	Presenter: Original Communication
3	June 2014	The effect of fibre on chronic constipation in adults: A systematic review	British Society of Gastroenterology Annual Meeting	Manchester, England, UK	Presenter: Original Communication
4	October 2010	Vitamin A and E, zinc, selenium and magnesium levels after 12 months on the ketogenic diet: classical versus MCT diet	Global Symposium on the Dietary Treatments for Epilepsy and other Neurological Disorders	Edinburgh, Scotland, UK	Presenter: Original Communication
5	September 2009	Vitamin A and E, zinc, selenium and magnesium levels after 12 months on the ketogenic diet: classical versus MCT diet	European Training Meeting on the Dietary Treatments for Epilepsy and Glut 1 Deficiency Syndrome	Harrogate, England, UK	Presenter: Original Communication

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2019-present	Investigation of the effect of <i>L. casei</i> Shirota on preventing abdominal symptoms and small intestinal bacterial overgrowth in patients with gastro-oesophageal reflux disease newly treated with proton pump inhibitors: a randomised controlled pilot trial	Yakult Europe Ltd (Amount: £170,000)	Study Design
2	2015-2017	The Multidimensional Risk Factors of Chronic Idiopathic Constipation: A Case-Control Study	QMUL	Chief Investigator
3	2015-2017	Colonic Motility and Gut Microbiota Composition in Constipation: A Pilot Observational Study	QMUL	Chief Investigator
4	2014-2016	Healthy Human Study Assessing Survival Through the Gut of Four Different Strains of Lactobacilli/Bifidobacteria: A Randomised Clinical Trial	Probiotics International Ltd (Protexin) (Amount: £130,000)	Study Design / Co-investigator
5	2013-2015	Evaluation of changes in gut transit time and gastrointestinal symptoms following the consumption of a probiotic food product in adults with constipation: A Randomised clinical trial	Nestec Ltd (Amount: £350,000)	Study Design / Co-investigator
6	2008-2010	Vitamin A and E, zinc, selenium and magnesium levels after 12 months on the ketogenic diet: Classical versus MCT Diet	UCL	Chief Investigator

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other

**Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.
List the five (5) more recent (Optional Entry)**

Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				

**Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Awarded by:
1			
2			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1	Apr 2020	Randomised clinical trial: <i>Bifidobacterium lactis</i> NCC2818 probiotic versus placebo, and impact on gut transit time, symptoms, and gut microbiology in chronic constipation	Top downloaded paper (January 2018 - December 2019) in Alimentary Pharmacology and Therapeutics
2			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Nikas
Name:	Ilias
Rank/Position:	Assistant Professor
Faculty:	School of Medicine
Department:	Medicine
Scientific Domain: *	Pathology/Cytopathology

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctoral degree	2018	Technical University of Munich, Germany	Pathology, School of Medicine	
Medical degree	2005	Aristotle University of Thessaloniki	School of Medicine	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
2017	now	School of Medicine, EUC	Nicosia, Cyprus	Lecturer
2016	2017	School of Medicine, EUC	Nicosia, Cyprus	Scientific Collaborator

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2018	Imaging and Cytopathological Criteria Indicating Malignancy in Mucin-Producing Pancreatic Neoplasms: A Series of 68 Histopathologically Confirmed Cases	Salla, C., Karvouni, E. Ikonomakis, A., Konstantinou, P., Karoumpalis, I., Sepsa, A., Papaparaskeva, K., Tsopanomichalou, M., Georgiadou, D., Kostopoulou, A., Tsiotos, G., Theocharis, S., Sergentanis, T.N., Politi, E.	Pancreas/LWW	Nov/Dec;47 (10)	1283-1289
2	2018	Viewing the Eph receptors with a focus on breast cancer heterogeneity	Ryu, H.S., Theocharis, S.	Cancer Letters/Elsevier	Oct 10;434	160-171
3	2018	Integrated morphologic and molecular analysis of Trichomonas vaginalis, Mycoplasma hominis, and human papillomavirus using cytologic smear preparations	Hapfelmeier, A., Mollenhauer, M., Angermeier, D., Bettstetter, M., Götz, R., Schmidmayr, M., Seifert-Klauss, V., Muckenhuber, A., Schenck, U., Weirich, G.	Parasitology Research/Springer	May; 117(5)	1443-1451
4	2016	Solid pseudo-papillary neoplasm: rare presentations of an uncommon entity	Sepsa A., Salla C.	Acta Cytologica/Karger	60(sup pl 1):1-267	237
5	2013	A series of 4 adenosquamous carcinomas of the pancreas: the experience of the general hospital of Athens, Greece	P. Mavrigiannaki, E. Anastasopoulou, P. Lazari, I. Serafetinidis, A. Tsonou, L. Christodoulou, I.Karoumpalis, C. Salla	Acta Cytologica/Karger	57(sup pl 1):1-172	63

6	2013	EUS-FNA diagnosis of an echinococcal cyst in the liver	E. Anastasopoulou, P. Lazari, K. Varytimiadis, P. Charalambous, E. Mastorakis, I. Serafetinidis, C.Salla	Acta Cytologica/Karger	57(sup pl 1):1-172	63
7	2013	Dense vascular network infiltrated by lymphocytes and eosinophils in the pancreatic tail	P. Lazari, P. Mavrigiannaki, E. Anastasopoulou, A. Sepsa, G. Kakiopoulos, I. Serafetinidis, I.Karoumpalis, C. Salla	Acta Cytologica/Karger	57(sup pl 1):1-172	63
8	2013	Secondary involvement of liver and gallbladder in two different patients with history of multiple myeloma (MM)/EUS-FNA features	E. Anastasopoulou, P. Lazari, P. Mavrigiannaki, A. Sepsa, L. Christodoulou, P. Panagouli, I.Karoumpalis, C. Salla	Acta Cytologica/Karger	57(sup pl 1):1-172	63
9	2013	Metastatic urothelial carcinoma in the pancreas. diagnosis with EUS-FNA	P. Lazari, E. Anastasopoulou, P. Panagouli, A. Sepsa, E. Papaliodi, I. Karoumpalis, C. Salla	Acta Cytologica/Karger	57(sup pl 1):1-172	62
10						

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)					
Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1	2017	Exploring the Brain	Local	Nicosia, Cyprus	Member of the organizing committee
2					
3					

**Specify venue, geographic location etc*

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1				
2				
3				

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				
2				
3				

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1			
2			
3			

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			
2			
3			

Academic Personnel Short Profile / Short CV

University:	European University Cyprus
Surname:	Michael
Name:	Stella
Rank/Position:	Scientific Collaborator
Faculty:	Sciences
Department:	Life Sciences
Scientific Domain: *	Biomedical Sciences - Regenerative medicine

** Field of Specialization*

Academic qualifications (list by highest qualification)				
Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
PhD Molecular Biology	2016	University of Cyprus	Biological Sciences	Investigating the role of the HPV16 oncogenes in modulating stem cell biology
MSc Cancer Cell and Molecular Biology	2010	University of Leicester	Molecular and Cell Biology	
BSc Medical Biochemistry	2009	University of Leicester	Molecular and Cell Biology	

Employment history in Academic Institutions/Research Centers – List by the three (3) most recent				
Period of employment		Employer	Location	Position
From	To			
04/2018	Current	University of Cyprus	Nicosia, Cyprus	Post-Doctoral Researcher
09/2016	06/2018	University of Nicosia	Nicosia, Cyprus	Lecturer
06/2015	05/2016	State General Laboratory, Biology Branch	Nicosia, Cyprus	Researcher on European MetaWater JPI Project

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2020	Human papillomavirus E7 binds Oct4 and regulates its activity in HPV-associated cervical cancers	Panayiotou, T.*, Michael, S., Zaravinos, A., Demirag, E., Achilleos, C., Strati, K	Plos Pathogens (provisional acceptance)		
2	2018	Terc is dispensable for most of the short-term HPV16 oncogene-mediated phenotypes in mice	Achilleos, C*., Michael, S*., Strati, K	Plos One	13	
3	2016	Inflammation Shapes Stem Cells and Stemness during Infection and Beyond	Michael, S., Achilleos, C., Panayiotou, T., Strati, K.	Frontiers in Cell and Developmental Biology	4	118
4	2013	The HPV16 oncogenes cause aberrant stem cell mobilization	Michael, S*., Lambert, P.F., Strati, K	Virology	443	218-225
5	2013	Shared mechanisms in stemness and carcinogenesis: lessons from oncogenic viruses	Iacovides, D., Michael, S., Achilleos, C., Strati, K	Frontiers in Cellular and Infection Microbiology	3	66

Exhibitions (where applicable). List the five (5) more recent and other five (5) selected. (max total 10)

Ref. Number	Date	Topic	International / Local	Location*	Role in Exhibition
1					

*Specify venue, geographic location etc

Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	09/2018-current	“Unveiling the impact of acquired stemness on viral carcinogenesis” POST-DOC/0916/0111	Research and Innovation Foundation	Researcher
2	04/2018-08/2018	“Uncovering the reciprocal interactions of viruses and stem cells” OPPORTUNITY/0916/003	Research and Innovation Foundation	Researcher
3	06/2017-09/2017	“Viruses promoting acquired stemness and cancer”	University of Cyprus	Researcher
4	10/2011-08/2013	“TELO”	Leventis Foundation	Researcher

**Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other*

Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees. List the five (5) more recent (Optional Entry)				
Ref. Number	Period	Organization	Title of Position or Service	Key Activities
1				

Awards / International Recognition (where applicable). List the five (5) more recent and other five (5) selected. (max total 10) (Optional Entry)			
Ref. Number	Date	Title	Awarded by:
1	2019-current	Post-Doc research grant	Research and Innovation Foundation
2	2015-2016	“New Researchers” scholarship	University of Cyprus

**Other Achievements. List the five (5) more recent and other five (5) selected.
(max total 10) (Optional Entry)**

Ref. Number	Date	Title	Key Activities:
1			

Appendix IV

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”

<u>A/A</u>	<u>COURSE CODE DESCRIPTION</u>		<u>PAGE</u>
1.	BMS115	Laboratory Calculations in Biomedical Sciences	2
2.	BMS130	Anatomy-Physiology I	4
3.	BMS200	Anatomy-Physiology II	7
4.	BMS210	Molecular Biology	10
5.	BMS225	Biotechnology	13
6.	BMS240	Introduction to Genetics	15
7.	BMS315	Basic Immunology	17
8.	BMS320	Bioinformatics	20
9.	BMS330	Clinical Immunology and Hematology	23
10.	BMS335	Cancer Biology	26
11.	BMS405	Systems Biomedicine	28
12.	HLS100	Academic skills	30

Course Title	Laboratory Calculations in Biomedical Sciences				
Course Code	BMS115				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	1st Year / 1st Semester				
Teacher's Name	Christiana Neophytou				
ECTS	6	Lectures/ week	3 Hours/ 14 weeks	Laboratories /week	N/A
Course Purpose and Objectives	<p>This course aims to help students remember and familiarize themselves with basic calculations used in the laboratory so that their smooth entry into the laboratories is ensured. Students will learn to make calculations and mathematical conversions for making buffers, dilutions, and mixtures. Particular emphasis will be given to the development of their ability to perform calculations for the most frequently confronted problems encountered in the laboratory.</p>				
Learning Outcomes	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Explain the procedure of weighing out solids • Explain the procedure of measuring liquids and mixing them • Explain the procedure of measuring the pH of a solution • Convert metric measurements into scientific notation • Calculate the Molarity of a liquid given the formula weight • Explain how to make a dilution from a concentrated stock solution. • Perform basic calculations using Excel software 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Theory:</p> <ul style="list-style-type: none"> • Metric System • Concentrations (Molarity, Percent solutions) • Dilutions • Chemical Mixtures, Solutions, and Dilutions (Mixtures and Solutions; Water and Glassware for Solution Making; Volumes, Amounts, and Concentrations; Formulas for Solutions; Examples: Making Solutions; Making Dilutions; Working with Stock Solutions) 				

	<ul style="list-style-type: none"> Use excel software in basic calculations (e.g. calculation of mean, standard deviation, standard error, student T-test) 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Quantitative Methods: Solutions & Dilutions” by David R. Caprette, Ph.d. Rice University Department of Biochemistry & Cell Biology, <i>Latest edition</i>.</p> <p>Quantitative Methods: Diluting Solutions Part 2” by David R. Caprette, Ph.d. Rice University Department of Biochemistry & Cell Biology, <i>Latest edition</i>.</p> <p>An Introduction to Chemical Mixtures” by David R. Caprette, Ph.d. Rice University Department of Biochemistry & Cell Biology, <i>Latest edition</i>.</p> <p>F. Stephenson, Academic Press. Calculations for Molecular Biology and Biotechnology: A Guide to Mathematics in the Laboratory. <i>Latest edition</i>.</p>								
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>70%</td> </tr> <tr> <td>Assignments/Lab</td> <td>20%</td> </tr> <tr> <td>Class Participation & Attendance</td> <td>10%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>	Examinations	70%	Assignments/Lab	20%	Class Participation & Attendance	10%		100%
Examinations	70%								
Assignments/Lab	20%								
Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Anatomy-Physiology I				
Course Code	BMS130				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	1 st Year / 2 nd Semester				
Teacher's Name	Andria Tryfonos				
ECTS	6	Lectures/ week	2 Hours/ 14 weeks	Laboratories/ week	1 Hour/ 14 weeks
Course Purpose and Objectives	<p>The objective of the course is to familiarize students with:</p> <ul style="list-style-type: none"> • The fundamentals of anatomy and anatomical terminology • The principles of Physiology as a basic biological science. • The morphology and structure of the musculoskeletal system, and its physiology. • The anatomy of Central and Peripheral Nervous system • The mechanisms of preservation of the internal environment of the body through homeostasis • The importance of the skin as a functional system 				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Explain the fundamentals of the methods that support the study of anatomy. • Recall the terminology and use accurately the International Anatomical Nomenclature for naming the various anatomical structures of the human body. • Identify and describe the morphology of the bones, joints, muscles, nervous and vascular components of the musculoskeletal system. • Relate the structural characteristics of the anatomical elements of the musculoskeletal system to their function • Recall the principles of Physiology as a basic biological science. • Discuss the principal functional characteristics of the musculoskeletal system. • Describe the basic characteristics of the nervous system. • Describe the fundamentals of the physiology of exercise, the physiology of ageing and the physiology of adaptation to extreme and adverse conditions. • Analyze the organization and the composition of the fluid compartments of the body. 				

	<ul style="list-style-type: none"> Define the principles of homeostasis of the body fluids. Enumerate and describe the skin properties and functions and its associated organs. 		
Prerequisites	None	Co-requisites	None
Course Content	<p>Theory</p> <ul style="list-style-type: none"> Fundamentals of Anatomy-Basic principles of topographic anatomy (anatomical terms)-Basic concepts of cytology and histology-International Anatomical Terminology Fundamentals of Physiology. Morphological and functional Characteristics of the Musculoskeletal system Vascular (blood vessels and lymphatic system) and Nervous Tissue Elements of the Musculoskeletal System Anatomy of the head, neck, spine and limbs Movement and its relationship to the structure and function of the Musculoskeletal System. The physiology of exercise Central and peripheral nervous system (neural cells, brain, spinal cord), meninges, spinal cord and function Brief description of the neuromuscular system function Autonomic nervous system Roads of the senses, pyramidal and extrapyramidal system Homeostasis, fluid balance and acid-base balance. Adaptation to extreme environmental conditions The growth and development of the human body and the process of ageing Functions of the Skin and Associated Organs, including the physiology of thermal regulation. <p>Laboratory exercises: Using audiovisual means, students will be trained in anatomy and physiology and present projects in relation to the content of the course in order to fully comprehend the material taught. Additionally, students will be able to search for relevant information by accessing libraries and the internet.</p>		
Teaching Methodology	Face-to-face		
Bibliography	<p>Gray's Anatomy; Drake, Richard L./Vogl, A. Wayne/Mitchell, Adam W.; Elsevier. <i>Latest edition.</i></p> <p>Anatomy: Development, Function, Clinical Correlations; Larsen, W.J.; Saunders. <i>Latest edition.</i></p> <p>Essential Clinical Anatomy; Moore Keith;Lippincott, Williams & Wilkins. <i>Latest edition.</i></p>		

	<p>Atlas of Human Anatomy: with Student Consult Access (Netter Basic Science); Frank H. Netter; Saunders; <i>Latest edition.</i></p> <p>Guyton and Hall Textbook of Medical Physiology; John E. Hall; Saunders. <i>Latest edition.</i></p> <p>Principles of Neural Science; Kandel, E.R./ Schwartz, J/H./ Jessell, T.M.; McGraw-Hill. <i>Latest edition.</i></p>								
Assessment	<table border="1" data-bbox="485 584 1254 734"> <tr> <td data-bbox="485 584 1015 622">Examinations</td> <td data-bbox="1015 584 1254 622">70%</td> </tr> <tr> <td data-bbox="485 622 1015 660">Assignments</td> <td data-bbox="1015 622 1254 660">20%</td> </tr> <tr> <td data-bbox="485 660 1015 698">Class Participation & Attendance</td> <td data-bbox="1015 660 1254 698">10%</td> </tr> <tr> <td data-bbox="485 698 1015 734"></td> <td data-bbox="1015 698 1254 734">100%</td> </tr> </table>	Examinations	70%	Assignments	20%	Class Participation & Attendance	10%		100%
Examinations	70%								
Assignments	20%								
Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Anatomy-Physiology II				
Course Code	BMS200				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	2 nd Year / 3 rd Semester				
Teacher's Name	Iacovos Nomikos				
ECTS	6	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	1 Hour/ 14 weeks
Course Purpose and Objectives	<p>The main objective of the course is to familiarize the students with the anatomical structure and function of the human body providing them with the background needed for successful completion of their studies. A systematic presentation of all aspects of human physiology including the description of basic cell function and communication mechanisms involved in normal physiology of the human body will help them to better understand health problems associated with physical function, as well as the notion behind therapeutic target selection for various diseases</p>				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Define the basic anatomical points for each organ of the human body • Describe the structure and function of various organ systems in the human body (cardiovascular, respiratory, immune system) • Analyze the differences between tissues and organs of the human body • Describe normal renal function • Recognize the basic structure and function of the organs in the gastrointestinal tract • Describe how each organ system of the human body is interconnected to the others and how each one affects the harmonic function of the others • Document how a potential malfunction of an organ or organ system of the human body affects the functioning of this system and that of other systems in the human body 				

Prerequisites	BMS130	Co-requisites	None
Course Content	<p>Theory</p> <p>Structure and function of:</p> <ul style="list-style-type: none"> • Sense organs • Skin and mammary gland • Respiratory System • Circulatory system, heart, blood and lymphatic vessels • Digestive system -oral cavity, taste, salivary glands-digestive tract. • Liver and the biliary system • Urinary System and the kidneys • Reproductive system • Endocrine glands • Exchange of fluid in tissues • Metabolism, hormones, thermoregulation • Defense mechanisms of the human body <p>Laboratory exercises:</p> <p>Using audiovisual means, students will be trained in anatomy and physiology and present projects in relation to the content of the course in order to fully comprehend the material taught. Additionally, students will be able to search for relevant information by accessing libraries and the internet.</p>		
Teaching Methodology	Face- to- face		
Bibliography	<p>Gray's Anatomy; Drake, Richard L./Vogl, A. Wayne/Mitchell, Adam W.; Elsevier, <i>Latest edition</i>.</p> <p>Anatomy: Development, Function, Clinical Correlations; Larsen, W.J.; Saunders, <i>Latest edition</i>.</p> <p>Atlas of Human Anatomy: with Student Consult Access (Netter Basic Science); Frank H. Netter; Saunders, <i>Latest edition</i>.</p> <p>Guyton and Hall Textbook of Medical Physiology;; John E. Hall; Saunders, <i>Latest edition</i>.</p> <p>Tortora, G.J. Principles of Anatomy and physiology, <i>Latest edition</i>.</p> <p>Medical Physiology: A Cellular and Molecular Approach; Boron,F.W. / Boulpaep L.E; 2nd; 978-1416031154; Saunders</p>		

Assessment	<table border="1" data-bbox="1098 248 1337 405"> <tr> <td data-bbox="512 248 1098 286">Midterm Examination</td> <td data-bbox="1098 248 1337 286">70%</td> </tr> <tr> <td data-bbox="512 286 1098 324">Assignments</td> <td data-bbox="1098 286 1337 324">20%</td> </tr> <tr> <td data-bbox="512 324 1098 362">Class Participation & Attendance</td> <td data-bbox="1098 324 1337 362">10%</td> </tr> <tr> <td data-bbox="512 362 1098 405"></td> <td data-bbox="1098 362 1337 405">100%</td> </tr> </table>	Midterm Examination	70%	Assignments	20%	Class Participation & Attendance	10%		100%
Midterm Examination	70%								
Assignments	20%								
Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Molecular Biology				
Course Code	BMS210				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	2 nd Year / 3 rd Semester				
Teacher's Name	Vasiliki Gkretsi				
ECTS	6	Lectures / week	3 Hours/ 14 weeks	Laboratories / week	3 Hours/ 14 weeks
Course Purpose and Objectives	The purpose of this course is to familiarize biomedical sciences students with basic molecular biology principles and techniques as well as their applications in basic and applied research in genetics and biotechnology.				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Describe the principles on which basic molecular biology techniques are based • Recall the basic concepts of molecular biology related to the flow of genetic information (central dogma of molecular biology) and the nature and organization of genetic material • Recognize the importance of the using enzymes in Molecular Biology • Describe and apply nucleic acid isolation techniques • Explain and perform polymerase chain reaction (PCR) experiments • Describe the technology for generating transgenic animals • Define the difference between knock-out and conditional knock-out animals • Demonstrate proficiency in laboratory molecular techniques 				
Prerequisites	BMS100, BMS135	Co-requisites	None		
Course Content	<p>Description:</p> <ul style="list-style-type: none"> • Theory: Introduction to Molecular Biology. Historical perspective. • Nuclear architecture and nuclear organelles The Genetic Material. Chromatin organization. • From DNA to protein: the central dogma of molecular 				

	<p>biology. DNA replication, transcription, translation, recombination.</p> <ul style="list-style-type: none"> • Repair mechanisms. • Gene expression regulation mechanisms • Post-translation modifications of proteins. • Isolation and study of nucleic acids <ul style="list-style-type: none"> -DNA isolation methods (plasmid, viral, genomic). -RNA isolation methods (total and poly A-RNA). -Methods to study DNA and RNA. -The electrophoresis technique (agarose gels and polyacrylamide). -Southern and Northern blotting -Specialized methods for RNA analysis: RNase protection, primer extension. • Non-coding RNAs (microRNAs, siRNAs, piRNAs, long ncRNAs). • Polymerase Chain Reaction (PCR): The basic principle, primer selection, cloning of PCR products. Types of PCR. • Applications of Molecular Biology in research, genetic engineering and biotechnology • DNA cloning • Use of animal models in biomedical research (<i>C. elegans</i>, <i>Drosophila melanogaster</i>, <i>Mus musculus</i>, Zebra danio) • Generation of transgenic, knock-out and conditional knock out animals. Advantages and challenges. <p><u>Laboratory Exercises:</u></p> <ul style="list-style-type: none"> • The main equipment in a molecular biology lab- Basic Techniques - Ensure validity of laboratory results - common problems. • Small scale isolation of plasmid DNA using the boiling method (boiling miniprep) and digestion with restriction enzymes. • Genomic DNA isolation and assessment of its concentration. • The polymerase chain reaction (PCR) – Preparation, primer design, amplification. • Total RNA extraction using a solution of guanidine thiocyanate - phenol – chloroform. • cDNA synthesis • Real-Time PCR. Confirmation by agarose gel electrophoresis. • Protein isolation-Western Blotting • Commercial Applications of DNA isolation and PCR
Teaching Methodology	Face- to- face
Bibliography	Burton E. Tropp, Molecular Biology: Genes to Proteins, Jones & Bartlett Learning, <i>Latest edition</i> .

	<p>J. D. Watson, A. A. Caudy, R. M. Myers, J. A. Witkowski., Recombinant DNA. Genes and genomes-a short course, <i>Latest edition.</i></p> <p>Jocelyn E. Krebs, Elliot S. Goldstein, and Stephen T. Kilpatrick, Genes Lewin's Essential GENES, Jones & Bartlett Learning, <i>Latest edition.</i></p> <p>Basic Laboratory Methods for Biotechnology, by Lisa A Seidman and Cynthis J. Moore (Academic press). <i>Latest edition.</i></p>								
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Examinations	70%								
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Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Biotechnology				
Course Code	BMS225				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	2 nd Year / 3 rd Semester				
Teacher's Name	Theophylaktos Apostolou				
ECTS	6	Lectures / week	3 Hours/ 14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	The main aim of the course is to familiarize the students with basic principles and important applications of Biotechnology in animals, plants and microorganisms while at the same time giving them the chance to ponder over economic, social and ethical implications that may rise.				
Learning Outcomes	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Describe basic principles and applications of both classical and modern Biotechnology. • Explain basic principles and molecular processes involved in the technology of recombinant DNA • Summarize the main applications of Biotechnology in relation to animals, plants and microorganisms • Describe the main applications of Biotechnology in the food, and the environment as well as in medicine • Discuss modern issues of bioethics in terms of Biotechnology applications and their implications in society and economy 				
Prerequisites	BMS100	Co-requisites	None		
Course Content	<p>Description:</p> <ul style="list-style-type: none"> -Introduction and historical perspective of the use of Biotechnology since ancient times. Comparison with modern Biotechnology -Fermentation -Enzymes in biotechnology -Genetic Engineering, Recombinant DNA technology, Cloning -Use of microorganisms in Biotechnology 				

	<ul style="list-style-type: none"> -Biotechnology in preparation and processing of food ingredients -Animals and Biotechnology (transgenic and knock-out animals) -Examples of animal models of disease -Biosensors -Pharmaceutical products of biotechnology (drugs and vaccines) -Pharmacogenomics -Biochemistry and Safety. Societal, economical, legal and ethical considerations concerning the increasing use of Biotechnology in everyday life. 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Basic Biotechnology, by Bjorn Kristiansen and Colin Ratledge, Cambridge University Press. <i>Latest edition.</i></p> <p>Textbook of animal Biotechnology, by B.Singh, SK.Gauyam, and MS. Chauhan, The Energy and Resources Institute. <i>Latest edition.</i></p> <p>Medical Biotechnology, by Judit Pongracz and Mary Kenn, Elsevier. <i>Latest edition.</i></p>								
Assessment	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Examinations</td> <td style="width: 40%; text-align: center;">70%</td> </tr> <tr> <td>Assignments/Lab</td> <td style="text-align: center;">20%</td> </tr> <tr> <td>Class Participation & Attendance</td> <td style="text-align: center;">10%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </table>	Examinations	70%	Assignments/Lab	20%	Class Participation & Attendance	10%		100%
Examinations	70%								
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Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Introduction to Genetics				
Course Code	BMS240				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	2 nd Year / 4 th Semester				
Teacher's Name	Vasiliki Gkretsi				
ECTS	6	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	2 Hours/ 14 weeks
Course Purpose and Objectives	<p>The objective of the course is to familiarize students with:</p> <ul style="list-style-type: none"> • The basic concepts of genetics, Mendel's laws as well as their extension up to molecular genetics • The basic laws that govern inheritance of several inherited human traits 				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> ▪ Recall basic concepts of classic and modern Genetics ▪ Describe the basic principles of Mendelian Genetics ▪ Describe extensions to Mendel's laws ▪ Record family-history in relation to the inheritance of a certain genetic trait (pedigree analysis), and predict inheritance pattern. 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Theory:</p> <ul style="list-style-type: none"> • Introduction to Genetics • Historical perspective of major discoveries in Genetics • The nature and organization of human genome • Gene structure and function • Mitosis-meiosis and gametogenesis • Mendel's laws and Mendelian Genetics • Extensions of Mendel's laws • Chromosomal theory of inheritance • X-linked pattern of inheritance • Basic concepts of mutation formation-Genotype and 				

	<p>environment.</p> <ul style="list-style-type: none"> • Cytogenetics • Technology of recombinant DNA, cloning and genetically modified organisms (GMO) • GMOs as animal models of disease <p><u>Laboratory exercises:</u></p> <ul style="list-style-type: none"> • Monohybrid and dihybrid crosses in corn (Corn Genetics)-Chi square test • Chi-square test in mitosis • Drosophila as a genetic model • Cytogenetics-Karyotype • DNA isolation from plants • Blood typing • Detection of genetically modified organisms using lateral flow strips • Pedigree analysis • Mutation analysis using ARMS (Amplification-Refractory Mutation System) method 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Genetics: from genes to genomes. Hartwell LH, Hood L., Goldberg ML, Reynolds AE., and Silver LM, McGrawHill. <i>Latest edition.</i></p> <p>Lewin's Genes X; Jocelyn E. Krebs; Jones and Bartlett Publishers, Inc. <i>Latest edition.</i></p>								
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Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Basic Immunology				
Course Code	BMS315				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 5 th Semester				
Teacher's Name	Maria-Ioanna Christodoulou, Ourania Tsitsilonis				
ECTS	6	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	2 Hours/ 14 weeks
Course Purpose and Objectives	<p>The objective of this course is to provide biomedical students with ground knowledge on basic principles of immunology, the compartments and functions of the human immune system. Specific aims include the understanding of innate and adaptive immune mechanisms underlying human defense against microorganisms, tumor cells, autoantigens, allergens as well as transplant rejection. In addition, the development and use of vaccines and antibodies as preventative and/or therapeutic agents in current disease-challenges are discussed.</p>				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Describe the basic components of the immune system and their function • Describe the development of inflammation • Describe the various types of antigens and their recognition by the immune system • Describe the structure and function of antibodies • Discriminate innate and adaptive immune responses, their main players, and involvement in human immune reactions during defense against bacterial or viral infections, autoinflammation, and allergens, anti-tumor responses and transplantation • Describe the main approaches and application of vaccines and antibodies-Define the term of Passive Immunity • Recall common deregulations of the immune system (immunodeficiencies, autoimmunity, hypersensitivity reactions) • Perform basic laboratory techniques related to immunology 				

Prerequisites	None	Co-requisites	None
Course Content	<p>Description:</p> <p>Theory</p> <ul style="list-style-type: none"> • The immune system and its functions • Cells, tissues and organs of the immune system • Innate and adaptive immune responses • Antigens and their recognition by immune cells. Major histocompatibility complex (MHC) • Antibodies (structure and function) • Inflammation • Immune responses against microorganisms • Immune responses against tumor cells • Autoimmune responses • Immune responses in allergic and asthma conditions • Immune reactions during transplantation • Vaccines' development and therapeutic applications of antibodies • Deregulations of the immune system (immunodeficiencies, autoimmunity, hypersensitivity reactions) <p>Laboratory exercises</p> <ul style="list-style-type: none"> • Epitope mapping • PBMC isolation • Monocyte and lymphocyte subsets isolation using antibody-coated magnetic beads • Culture and stimulation of monocytes and lymphocytes • Ig isolation • Immunodiffusion – Counterimmunoelectrophoresis • Ig electrophoresis • Ig measurement in human serum by ELISA • Cytokines measurement in cell-culture supernatants by ELISA • Immunohistochemistry • Immuno-phenotyping of human peripheral blood by Flow-Cytometry • Intracellular staining and analysis of cytokine production by Flow-Cytometry • Analysis of Flow-Cytometry data 		
Teaching Methodology	Face- to- face		

Bibliography	<p>AK. Abbas, AH H. Lichtman, S. Pillai. "<i>Cellular and Molecular Immunology</i>", Elsevier. <i>Latest edition</i>.</p> <p>J. Punt, S. Stranford, P.Jones, J. Owen. "<i>Kuby's Immunology</i>", Macmillan. <i>Latest edition</i>.</p> <p>K, Murray and C. Weaver "<i>Janeway's Immunobiology</i>", Garland Science. <i>Latest edition</i>.</p>								
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Examinations	70%								
Assignments/Lab	20%								
Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Bioinformatics				
Course Code	BMS320				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 6 th Semester				
Teacher's Name	Maria-Ioanna Christodoulou and Vicky Papadopoulou Lesta				
ECTS	6	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	2 Hours/ 14 weeks
Course Purpose and Objectives	<p>The overall objective of the course is the basic understanding of the field of bioinformatics that will enable students to gather information related to their biological inquiries and use computational analysis and web-based bioinformatics tools and databases to answer a scientific question. Students will also learn programming basics with using Python or R programming language as an implementation tool in order to understand programming essentials, including basic algorithms, data types, elementary control structures.</p>				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Determine the scope of bioinformatics • Access new information and assimilate it into the whole • Examine the structure and function of genes and proteins through the use of computational analysis, statistics, and pattern recognition • Filter, analyze, and display the results of using web-based bioinformatics tools and databases • Write, debug, and run small programs • Understand the concept of an algorithm and a program • Understand a programming language syntax and its definition by example of Python or R language. • Acquire knowledge of basic principles of structural programming. 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Description: This course will explore how computer science and mathematics, supported by information technology, have</p>				

	<p>combined with modern laboratory technologies to solve various problems in the biological sciences. Areas that will be discussed include:</p> <ul style="list-style-type: none"> • Novel omics technologies and the new omics era • Next-generation sequencing • DNA sequencing and Genomics • RNA sequencing and Transcriptomics • Gene-Set Enrichment and Pathway Analysis • Proteomics and Metabolomics • Functional Genomics • Clinical bioinformatics and personalized medicine • Pharmacogenomics and drug development • Programming. Languages and platforms. Programming fundamentals. How to define a language syntax? Naming and formatting. • Basic structural programming language instructions. Conditional statements. Switching. Iterative code. Input/output library basics. <p>Laboratory exercises</p> <ul style="list-style-type: none"> • Sequence analysis: alignment and pattern matching • Introduction to statistics and R • Introduction to Galaxy platform • Gene prediction • Finding SNPs on human chromosome • Sequence Analysis: Quality Control of NGS data • Sequence Analysis: Mapping • Reference-based RNA-Seq data analysis (Data uploading - Mapping - Read counts) • GSEA and Pathway analysis: DEGs, Venn diagrams, heatmaps, KEGG and GO-enrichment • Variant analysis • Identification of somatic and germline variants from tumor and normal sample pairs <p>It should be noted that students will not develop or implement bioinformatics algorithms but rather solve bioinformatics problems with written exercises, and web-based queries.</p>
Teaching Methodology	Face- to- face
Bibliography	<p>Current Trends in Bioinformatics: An Insight. Editors: G. - Wadhwa, P. Shanmughavel, A.K. Singh, - J.R. Bellare, Springer. <i>Latest edition.</i></p> <p>Bioinformatics: Sequences, Structures, Phylogeny Editor: A. Shanker, Springer, <i>Latest edition.</i></p>

	<p>Applied Bioinformatics: An introduction.Editors: P.M. Selzer, R.J. Marhöfer, O. Koch, Springer, <i>Latest edition</i>.</p> <p>Bioinformatics—A Student's Companion.Editors: K.S. Ibrahim, G. G. Zothansanga, R.P. Yadav, N. S. Kumar, S. K. Pandian, P. Borah, S. Mohan, Springer. <i>Latest edition</i>.</p> <p>G.B. Singh. "Fundamentals on Bioinformatics and Computational Biology-Methods and Exercises in MatLab". Springer. <i>Latest edition</i>.</p> <p>Introduction to Programming Using Python, Pearson, Y Daniel Liang, <i>Latest edition</i>.</p>								
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Examinations	70%								
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Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Clinical Immunology and Hematology				
Course Code	BMS330				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 6 th Semester				
Teacher's Name	Maria-Ioanna Christodoulou, Ourania Tsitsilonis and Pavlos Kosteas				
ECTS	6	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	2 Hours/ 14 weeks
Course Purpose and Objectives	The objective of this course is to provide the ground knowledge of the immune system and its functions as well as the role of cells found in the blood. Comparison will be made between healthy state and states where either the immune system is being compromised (immune deficiencies, autoimmunity, hypersensitivity disease, transplantation) or hematological malfunctions occur.				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • define the basic components of the immune system • identify its function in health and disease (immune deficiencies, autoimmunity, hypersensitivity disease, transplantation) • describe the various tests and techniques used to examine its function and their use in clinical diagnostics • outline the principles of vaccinations and the mechanism of protection from infection • distinguish the developmental stages of blood cells • demonstrate and understanding of the components of human blood and characteristics, functions, and abnormalities of each • describe the coagulation mechanism including abnormalities • identify hematological changes in different diseases 				
Prerequisites	BMS315	Co-requisites	None		
Course Content	Theory				

- Topics that will be covered with regard to clinical immunology include:
 - a) The innate immune system including humoral mechanisms: cytokines & complement;
 - b) the activation and regulation of innate and adaptive immunity including cellular mechanisms & receptors
 - c) an overview of the adaptive immune system including antigen processing & presentation;
 - d) the description of cells and organs of the immune system;
 - e) Cell co-operation and effector mechanisms including immune evasion and principles governing vaccination;
 - f) antibody structure and interaction with antigens;
 - g) the molecular basis of antigen specificity
 - h) self/non-self discrimination and disorders of the immune system;
 - i) Immunisation principles and defense against infectious diseases;
 - j) tumor immunology;
 - k) transplantation immunology;
 - l) Inflammation, Allergies & autoimmunity
 - m) Immune deficiencies;
 - n) the use of immunological techniques for testing for the diagnosis and laboratory monitoring of disease in the clinical laboratory.
- Topics that will be covered with regard to hematology include: a) Hematopoiesis, b) synthesis of hemoglobin, c) normal hematology, c) leukemia, d) various types of anemia (Fanconi, thalassemia, sickle-cell), e) thrombopoiesis, f) hemostasis

Laboratory exercises

- peripheral blood lymphocyte isolation and culture
- monocyte and lymphocyte subsets isolation using antibody-coated magnetic beads
- identification of functional subsets of T cells by staining for cytokines
- apoptosis measurement
- Enzyme Linked ImmunoSorbent Assay (ELISA) test for cytokine identification
- phagocytosis evaluation techniques
- differential white blood cell count
- hematocrit measurement (VPRC)
- hemoglobin measurement
- coagulation time measurement
- blood typing
- total Blood Cell Counts by hemocytometer
- flow cytometry and FACS analysis (principle of the

	method, theory and applications)								
Teaching Methodology	Face- to- face								
Bibliography	<p>AK. Abbas, AH H. Lichtman, S. Pillai. "<i>Cellular and Molecular Immunology</i>", Elsevier. <i>Latest edition</i>.</p> <p>J. Punt, S. Stranford, P.Jones, J. Owen. "<i>Kuby's Immunology</i>", Macmillan. <i>Latest edition</i>.</p> <p>K, Murray and C. Weaver "<i>Janeway's Immunobiology</i>", Garland Science. <i>Latest edition</i>.</p>								
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Class Participation & Attendance	10%								
	100%								
Language	English								

Course Title	Cancer Biology				
Course Code	BMS335				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	3 rd Year / 6 th Semester				
Teacher's Name	Vasiliki Gkretsi, Christiana Neophytou and Panagiotis Papageorgis				
ECTS	6	Lectures / week	3 Hours/ 14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	The main objective of the Cancer Biology course is to provide a comprehensive overview of the biology and pathology of cancer, as well as methods of diagnosis and treatment approaches.				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Differentiate normal and cancer cells • Describe the hallmarks of cancer • Describe the main characteristics of common cancer types • Explain the types of gene mutations leading to carcinogenesis • Define oncogenes and tumor suppressor genes • Clarify how cancer cells escape cell death • List and describe the steps that lead to metastasis • Outline major therapeutic approaches against cancer • Describe basic research techniques in cancer biology research • Describe animal models used to study tumor growth and metastasis 				
Prerequisites	BMS100	Co-requisites	None		
Course Content	<ul style="list-style-type: none"> • Cancer definition: benign vs malignant tumor • Hallmarks of cancer • Main characteristics of the most common types of cancer (breast, prostate, lung, liver, brain, colon) 				

	<ul style="list-style-type: none"> • Mutagens and mutations. Tumor viruses. DNA repair defects and cancer • Oncogenes and tumor suppressor genes, growth factors and their receptors in carcinogenesis • Cell cycle control and the Rb tumor suppressor. Apoptosis and the p53 tumor suppressor • Cellular senescence and telomeres. Cellular immortalization and tumorigenesis. Telomerase as a therapeutic target • Angiogenesis and the tumor microenvironment • Metastasis • Familial cancer syndromes, hereditary cancer (i.e. breast cancer, colon cancer) • Basic techniques in cancer biology research • Use of animal models to study tumor growth and metastasis • Diagnosis of cancer-new genomic and proteomic technologies • Tumor biomarkers Therapeutic approaches: chemotherapy, immunotherapy, targeted therapy 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Molecular Biology of Cancer: Mechanisms, Targets and Therapeutics, by Lauren Pecorino. Oxford Press. <i>Latest edition.</i></p> <p>Robbins and Cotran, Pathologic Basis of Disease, Kumar, Abbas, Fausto, Elsevier, Saunders. <i>Latest edition.</i></p>								
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Assignments	20%								
Class participation & Attendance	10%								
	100%								
Language	English								

Course Title	Systems Biomedicine				
Course Code	BMS405				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	4 th Year / 7 th Semester				
Teacher's Name	Apostolos Zaravinos, Antonia Vlachou and Vicky Papadopoulou Lesta				
ECTS	6	Lectures / week	3 Hours/14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	<p>As knowledge of genome and gene expression deepens and lists of molecules (proteins, lipids, ions) involved in cellular processes are being developed, the need to understand how these molecules interact with each other to form modules that act as discrete functional systems arises. The main objective of the course is the introduction of students to the fundamentals of systems biomedicine, primarily as a discipline based on the analysis of dynamical interactions among individual members of a biological system aiming to the understanding of the system as a whole, and not merely its individual components. Students will also learn programming essentials using Python or R programming language, including algorithms, data types, control structures, loops and functions used within the framework of structural programming paradigms.</p>				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • define the basic terms used in systems biomedicine • describe modern laboratory approaches based on '-omics' methods and their importance in identifying key factors in diseases development • integrate the '-omics' results into a meaningful whole and define the global model of biological processes responsible for disease development • describe the use of global '-omics' methods in early diagnostics, prognostics and drug development • acquire the ability to convert a procedure for a problem solving to an algorithm • acquire the ability to write simple programs in Python or R language by using basic control structures (conditional statements, loops, switches, branching, etc.). • understand a function concept and how to deal with function arguments and parameters. 				

Prerequisites	BMS100, BMS320	Co-requisites	None								
Course Content	<p>Theory:</p> <ul style="list-style-type: none"> • Modern experimental approaches in disease research based on simultaneous analysis of thousands of genes/proteins/metabolites and their interactions in a living system • Monitoring of biological system functions in four dimensions (space and time) • The importance of visualization (i.e. 'imaging') in systems biomedicine • Fundamentals of global, comprehensive '-omics' methods (DNA-chips, RT-PCR, proteomics methods) in studying molecular pathological processes • The role of '-omics' methods in early diagnostics, prognostics, disease development, discovery of new molecular targets for treatment as well as in research on drug mechanisms of action and drug safety • Fundamentals of bioinformatics in systems biomedicine • Essential Programming in Python: Control and loop statements. Data structures and basic algorithms • Functions. Function arguments and function parameters. Functional decomposition: basic knowledge. 										
Teaching Methodology	Face- to- face										
Bibliography	<p>Systems Biomedicine, Concepts and Perspectives by Edison Liu Douglas Lauffenburger, Academic Press. <i>Latest edition.</i></p> <p>Frontiers Research Topics. Comprehensive Systems Biomedicine. Topic Editors, Enrico Capobianco and Pietro Lio. <i>Latest edition.</i></p> <p>Introduction to Programming Using Python, Pearson, Y Daniel Liang, <i>Latest edition.</i></p>										
Assessment	<table border="1"> <tr> <td>Examinations</td> <td>70%</td> </tr> <tr> <td>Assignments/Lab</td> <td>20%</td> </tr> <tr> <td>Class Participation & Attendance</td> <td>10%</td> </tr> <tr> <td></td> <td>100%</td> </tr> </table>			Examinations	70%	Assignments/Lab	20%	Class Participation & Attendance	10%		100%
Examinations	70%										
Assignments/Lab	20%										
Class Participation & Attendance	10%										
	100%										
Language	English										

Course Title	Academic skills				
Course Code	HLS100				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	1 st Year / 2 nd Semester				
Teacher's Name	Maria-Ioanna Christodoulou				
ECTS	3	Lectures / week	2 Hours/ 14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	The main aim of the course is the development of certain academic skills that are needed to ensure smooth incorporation of freshmen into the academic environment. Particular emphasis will be given to the development of perception, written and oral skills, as well as the introduction of ways to study, understand and present academic essays, work independently or in teams, and learn to document and support scientific information.				
Learning Outcomes	<p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> • Recall the academic organization of a university and explain the academic procedures and regulations • Develop simple research skills to support a piece of scientific information • Develop skills for independent and team-based work • Summarize basic concepts, principles and stages of a research project, report or essay • Apply basic use of Excel • Demonstrate written and oral expression skills of good scientific merit • Apply proper ways of citing appropriate literature during report or essay writing • Understand the consequences of plagiarism and be familiarized with ways of proper academic and scientific conduct 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Theory</p> <ul style="list-style-type: none"> - University organization - Academic procedures and regulations, program requirements, organization of studies 				

	<ul style="list-style-type: none"> - Study preparation, time management, study skills, note taking, preparing for and taking exams - Development of the four skills (Listening, Reading, Writing, Speaking) - Proper Structure and writing of a Scientific report/essay - Main types of scientific studies and scientific evidence - Preliminary research concepts and principles: types of research, research protocols, conducting research, ethics in research, writing and presenting original research - References Managing Systems - Basic use of Excel software (calculation of mean, standard deviation, standard error) - Ways and tips on searching literature: Library and Electronic sources (Internet) - Scientific essay/ research paper understanding (abstract, composition, paraphrasing, etc.) - Technical writing, writing and presentation of written work - Oral presentation of individual and group projects using modern technological means - Academic Ethics in essay writing 								
Teaching Methodology	Face- to- face								
Bibliography	<p>Langman, John. <i>Reading and study skills</i>. McGraw-Hill. <i>Latest edition</i>.</p> <p>Additional books may be proposed by the instructor(s) of the course.</p>								
Assessment	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Examinations</td> <td style="width: 40%; text-align: center;">70%</td> </tr> <tr> <td>Assignments</td> <td style="text-align: center;">20%</td> </tr> <tr> <td>Class Participation & Attendance</td> <td style="text-align: center;">10%</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> </table>	Examinations	70%	Assignments	20%	Class Participation & Attendance	10%		100%
Examinations	70%								
Assignments	20%								
Class Participation & Attendance	10%								
	100%								
Language	English								

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”
TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
1st Semester								
1.	Compulsory	Introduction to Human Biology	BMS100	4	50	14	56	6
2.	Compulsory	Calculus	BMS105	3	50	14	42	6
3.	Compulsory	General and Inorganic Chemistry	BMS110	5	50	14	70	6
4.	Compulsory	English for Health Sciences III	EHL102	3	50	14	42	6
5.	Compulsory	Laboratory Calculations in Biomedical Sciences	BMS115	3	50	14	42	6
2nd Semester								
6.	Compulsory	Organic Chemistry	BMS120	5	50	14	70	6
7.	Compulsory	Anatomy-Physiology I	BMS130	3	50	14	42	6
8.	Compulsory	Cell Biology	BMS135	4	50	14	56	6
9.	Compulsory	Academic Skills	HLS100	2	50	14	28	3
10.	Compulsory	Physics for Biomedical Sciences	BMS140	2	50	14	28	3
11.	Compulsory	Applied Biostatistics	BMS145	3	50	14	42	6
3rd Semester								

12.	Compulsory	Anatomy-Physiology II	BMS200	3	50	14	42	6
13.	Compulsory	Basic Epidemiology	BMS205	3	50	14	42	6
14.	Compulsory	Molecular Biology	BMS210	6	50	14	84	6
15.	Compulsory	Biochemistry I	BMS220	5	50	14	70	6
16.	Compulsory	Biotechnology	BMS225	3	50	14	42	6
4th Semester								
17.	Compulsory	Biochemistry II	BMS230	4	50	14	56	6
18.	Compulsory	Histology	BMS235	4	50	14	56	6
19.	Compulsory	Introduction to Genetics	BMS240	4	50	14	56	6
20.	Compulsory	Developmental Biology and Embryology	BMS245	3	50	14	42	6
21.	Compulsory	Bioethics and Scientific Integrity	BMS250	3	50	14	42	6
5th Semester								
22.	Compulsory	Human microbiome and its implications in health and disease	BMS300	3	50	14	42	6
23.	Compulsory	General Microbiology	BMS305	5	50	14	70	6
24.	Compulsory	Medical Genetics	BMS310	4	50	14	56	6
25.	Compulsory	Basic Immunology	BMS315	4	50	14	56	6
26.	Free Elective			3	50	14	42	6
6th Semester								
27.	Compulsory	Bioinformatics	BMS320	4	50	14	56	6
28.	Compulsory	Clinical Immunology and Hematology	BMS330	4	50	14	56	6
29.	Compulsory	Cancer Biology	BMS335	3	50	14	42	6

30.	Compulsory	Drugs and disease	BMS340	3	50	14	42	6
31.	Compulsory	Research Methodology in Health Sciences	HEA190	3	50	14	42	6
7th Semester								
32.	Compulsory	Undergraduate Thesis I	BMS400	3	50	5	15	6
33.	Compulsory	Systems Biomedicine	BMS405	3	50	14	42	6
34.	Compulsory	Clinical Chemistry	BMS410	4	50	14	56	6
35.	Compulsory	Placement of Practical Exercise	BMS420	--	--	--	--	6
36.	Free Elective			3	50	14	42	6
8th Semester								
37.	Compulsory	Undergraduate Thesis II	BMS425	--	--	--	--	6
38.	Compulsory	Pathobiology & Precision medicine	BMS430	3	50	14	42	6
39.	Compulsory	Medical Microbiology	BMS435	3	50	14	42	6
40.	Compulsory	Proactive aging and regenerative medicine	BMS440	3	50	14	42	6
41.	Free Elective			3	50	14	42	6

**EUC PROCEDURES FOR THE ACCREDITATION OF
NEW PROGRAMMES OF STUDY****Process of introducing new programmes of study**

Academic programs fulfil a range of purposes, including the provision of general academic experience, the enhancement of knowledge and research, the preparation for specific or general employment (often professional or vocational), or lifelong learning opportunities. Understanding and defining the balance of purposes is important in order to design a curriculum and to provide the related learning experiences that will enable the stated intended learning outcomes to be achieved in-line with the University's strategic goals.

The process for the introduction of new programs of study at European University Cyprus comprises of six (6) stages in total and is a very rigorous process which involves the final review and approval by University bodies outside the Department and School to be offering a new program.

Stage 1: Analysis and Interpretation of the Market and Sources of Intelligence

Prior to the development of a full-blown proposal for a new program of study, the proposing Department establishes a Program Committee and in consultation with the Academic and Administrative Leadership, prepares a Program Outline, following analysis of the strengths of the Department, recommendations from the School Advisory Board, market data and trends, as well as competitors (national and international) analysis. Time horizon 3 months (October-December).

Stage 2: Submission of Proposal

The document/proposal (output of stage 1) is consulted, reviewed and approved by all bodies in the Department and School that will be affected by the new program. A thorough evaluation and recommendations of the resources (current and expected ones), as well as the potential of the program is presented in the revised document/proposal. Time horizon 3 months (January-March).

Stage 3: Fine-Tuning and Evaluation;

The document/proposal (output of stage 2) is consulted and reviewed by all bodies at the University level that will be affected by the new program including: Admissions; the Library; Facilities and Planning; Finance; Human Resource; and the Registrar. Time horizon 2 months (April-May).

Stage 4: Preparation of Programs to be submitted for Accreditation

Once approval is given (output of stage 3) to proceed with the preparation of the Program Document then the Department Quality Assurance Committee, the Department Council and the School Council review the document and the program to ensure that it meets the relevant standards of quality. Final recommendation to the Senate is required by the University's Internal Quality Assurance Committee (CIQA). Time horizon 2 months (June-July).

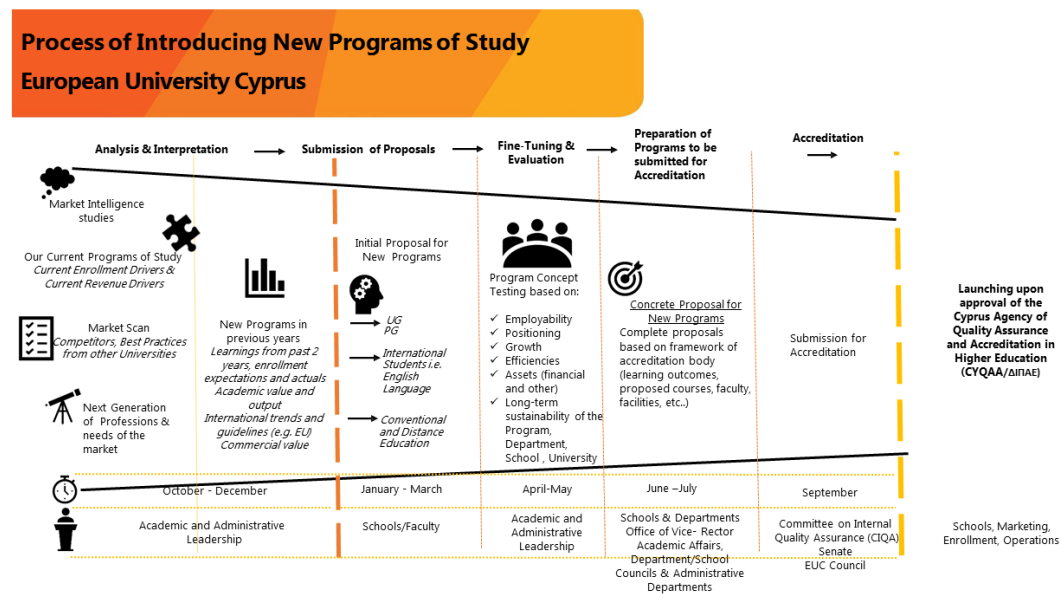
Stage 5: Accreditation

Once approval is given by the Senate, the complete document is submitted in September, to the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA) to initiate the accreditation and approval process.

Stage 6: Launch of a new Program

The University following official approval of the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA) introduces the program the following semester.

The Chart below depicts the process described above.



Faculty Professional Development Program 2022-23

A/A		HOURS	DATE ATTENDED
1.	Orientation to European University Cyprus (EUC)	2 hours	28/9/2022
2.	Familiarization with EUC Academic Structures, Processes and Procedures: How to prepare for the Semester	3 hours	28/9/2022
3.	Familiarization with Blackboard Learn Ultra and the Department of Information and Operations Support Structures	2 hours	29/9/2022
4.	Orientation on Research and Mobility at EUC	2 hours	18/10/2022
5.	Artificial Intelligence (AI) in Higher Education	2 hour	20/2/2023
6.	Navigating the Opportunities and Threats of AI Tools in Education	1 hour	14/3/2023
7.	Accessing Blackboard Learn Dashboard	1 hour	21/3/2023
8.	Poll Everywhere	2 hours	24/3/2023
9.	Advance HE “New to Teaching Programme”	25 hours	4 th , 18 th , 25 th /5/2023 & 1 st , 8 th , 15 th /6/2023
TOTAL HOURS ATTENDED		40 Hours	

“Biomedical Sciences (4 Years/240 ECTS, B.Sc.)”

A/A	Course Type	Course Name	Course Code	Periods per week	Full time (FT) or Part time (PT)	NAME of faculty
1.	Compulsory	Introduction to Human Biology	BMS100	4	FT	Vasiliki Gkretsi
2.	Compulsory	Calculus	BMS105	3	FT	Marina Appiou-Nikiforou
3.	Compulsory	General and Inorganic Chemistry	BMS110	5	PT	Panayiota Kelis
4.	Compulsory	English for Health Sciences III	EHL102	3	FT	Panos Panayiotou
5.	Compulsory	Laboratory Calculations in Biomedical Sciences	BMS115	3	FT	Christiana Neophytou
6.	Compulsory	Organic Chemistry	BMS120	5	PT	Panayiota Panteli
7.	Compulsory	Anatomy-Physiology I	BMS130	3	FT	Andria Tryfonos
8.	Compulsory	Cell Biology	BMS135	4	FT	Vasiliki Gkretsi
9.	Compulsory	Academic Skills	HLS100	2	FT	Maria-loanna Christodoulou
10.	Compulsory	Physics for Biomedical Sciences	BMS140	2	FT	Irene Polycarpou
11.	Compulsory	Applied Biostatistics	BMS145	3	FT	Klea Panayidou
12.	Compulsory	Anatomy-Physiology II	BMS200	3	PT	Iacovos Nomikos

13.	Compulsory	Basic Epidemiology	BMS205	3	PT	Andrea Georgiou
14.	Compulsory	Molecular Biology	BMS210	6	FT	Vasiliki Gkretsi
15.	Compulsory	Biochemistry I	BMS220	5	FT	Antonia Sophocleous
16.	Compulsory	Biotechnology	BMS225	3	PT	Theophylaktos Apostolou
17.	Compulsory	Biochemistry II	BMS230	4	FT	Antonia Sophocleous
18.	Compulsory	Histology	BMS235	4	FT	Sophia Themistocleous
19.	Compulsory	Introduction to Genetics	BMS240	4	FT	Vasiliki Gkretsi
20.	Compulsory	Developmental Biology and Embryology	BMS245	3	FT	Elpida-Niki Emmanouil Nikoloussi
21.	Compulsory	Bioethics and Scientific Integrity	BMS250	3	PT	Loucas Nicolaou
22.	Compulsory	Human microbiome and its implications in health and disease	BMS300	3	FT	Antonia Sophocleous
23.	Compulsory	General Microbiology	BMS305	5	PT	Christoforos Rozario
24.	Compulsory	Medical Genetics	BMS310	4	FT	Vasiliki Gkretsi
25.	Compulsory	Basic Immunology	BMS315	4	FT (Visit. P)	Maria-loanna Christodoulou & Ourania Tsitsilonis
26.	Compulsory	Bioinformatics	BMS320	4	FT FT	Maria-loanna Christodoulou & Vicky Papadopoulou-Lesta
27.	Compulsory	Clinical Immunology and Hematology	BMS330	4	FT	Maria-loanna Christodoulou &

					(Visit. P) (Visit. P)	Ourania Tsitsilonis & Pavlos Kosteas
28.	Compulsory	Cancer Biology	BMS335	3	FT FT FT	Vasiliki Gkretsi Panagiotis Papageorgis Christiana Neophytou
29.	Compulsory	Drugs and disease	BMS340	3	FT (Visit. P) FT	Christiana Neophytou Konstantinos Drosatos Iva Tzvetanova
30.	Compulsory	Research Methodology in Health Sciences	HEA190	3	FT	Andreas Stylianou
31.	Compulsory	Undergraduate Thesis I	BMS400	3	FT FT	Vasiliki Gkretsi Maria-loanna Christodoulou
32.	Compulsory	Systems Biomedicine	BMS405	3	FT FT (Visit. P)	Apostolos Zaravinos & Vicky Papadopoulou-Lesta & Antonia Vlachou
33.	Compulsory	Clinical Chemistry	BMS410	4	PT	Stephanos Christodoulides
34.	Compulsory	Placement of Practical Exercise	BMS420	--	FT	Vasiliki Gkretsi
35.	Compulsory	Undergraduate Thesis II	BMS425	--	FT FT	Vasiliki Gkretsi Maria-loanna Christodoulou
36.	Compulsory	Pathobiology & Precision Medicine	BMS430	3	FT FT	Vasiliki Gkretsi Maria-loanna Christodoulou

					FT	Ilias Nikas
37.	Compulsory	Medical Microbiology	BMS435	3	PT	Christoforos Rozario
38.	Compulsory	Proactive aging and regenerative medicine	BMS440	3	PT	Styliani Michael

* Lecturer (L)

Assistant Professor (Assis. P)

Associate Professor (Assoc. P)

Professor (P)

Special Teaching Personnel (STP)

Visiting Professor (Vis. P)

Professor Emeritus (Emer. Prof.)

Scientific Collaborator (S.C.)

Specialist Scientist (S.S.)

** Full-time (FT), Part-time (PT)



INTERNAL REGULATION

“PERFORMANCE APPRAISAL OF FACULTY AND SPECIAL TEACHING PERSONNEL”

75th Senate Decision: 7 April 2022

97th Senate Decision: 25th July 2023

The Senate approved the following Internal Regulation which revises and substitutes the existing Charter provisions on ‘Internal Regulations on Faculty Ranking and Conditions of Service’ (Annex 6, Article 6). The “**Performance Appraisal of Faculty and Special Teaching Personnel**” Internal Regulation supports and facilitates the process of self-improvement of the EUC Faculty and Special Teaching Personnel by focusing on the appraisal and developmental nature of the process. It takes place every two years and is submitted online by all Faculty and Special Teaching Personnel through the University HRIS system.

1. Purpose of Performance Appraisal

The main purpose of the Performance Appraisal process is the professional development of Faculty and Special Teaching Personnel. The Performance Appraisal process aims to support and facilitate Faculty and Special Teaching Personnel self-improvement through helpful and constructive feedback and critical self-assessment. The Internal Regulation enables short and long-term professional planning and development with self-improvement as the ultimate aim. The process aims at a “tailored” self-directed self-improvement through critical reflection and identification of areas of strength and weaknesses; the process further aims to appraise the individual’s development, performance and attainment of goals within the scope of the individual’s field, areas of expertise and scholarly activities.

With this Internal Regulation, Faculty and Special Teaching Personnel will engage in the process of Performance Appraisal every two years as a positive force towards continued professional development and accomplishment. The appraisal process will record the Faculty’s performance in the areas of (i) Teaching, (ii) Research¹, and (iii) Service to the University, Community, and Profession.

¹ For Special Teaching Personnel, research involvement and activity will be considered an additional advantage.

Each Faculty and Special Teaching Personnel will submit a Performance Appraisal every two years (See Appendix: Faculty & Special Teaching Personnel Performance Appraisal Report). Section A of the Performance Appraisal Report will be submitted to the Chairperson of the Department by the announced deadline.

2. Performance Appraisal Categories

2.1 Teaching

Effective teaching at European University Cyprus is a standard that cannot be compromised. It involves mastery of the subject matter, the ability to intellectually stimulate students, and effectiveness in communicating the skills, methods and content of one's discipline and specialization area. It entails a spirit of scholarly involvement necessary in continually revising courses and the undertaking of efforts to sustain a high level of teaching potential and constant improvement of teaching skills. Effective teaching also implies ongoing and constructive engagement with colleagues with the goal of intellectual development and improvement of teaching methodology and material. Furthermore, the constant improvement of coursework and program development is attained by participation in academic professional development training, schemes, programs, seminars, and colloquia organized by the University and/or other educational institutions.

In Section A of the Performance Appraisal Report, the Faculty and Special Teaching Personnel should discuss their accomplishments in courses taught, and activities aimed at sustaining and improving teaching effectiveness. The effort and energy applied in activities, such as course development, course revision, and/or development of new technologies, instructional publications, activities, methodology and/or teaching material to enhance the learning environment should also be noted. Faculty serving in professional programs should outline teaching within their professional service when relevant (e.g., clinical teaching in medicine, dentistry, physiotherapy, nursing, psychology, etc.). Attention also needs to be paid to accessibility and student academic guidance and support, as well as to summaries of student evaluations and feedback reports.

2.1 Research

Research output is a fundamental requirement at European University Cyprus. Research encompasses the pursuit of pertinent questions with the utilization of methodologies and discipline learning, is closely informed by thorough investigation, and aims at academic advancement and the accumulation of new knowledge. Furthermore, research should also serve an academic interest that extends beyond the boundaries of the immediate University community.

Research output can take many forms, such as:

- published research: article(s) in scholarly periodical(s), chapter(s) in scholarly publication(s), book(s), paper(s) presented at professional conference(s);
- contribution in research conference/event organization, seminars and workshops; and/or

- other forms of curatorial and practice-based research (these categories may include among others composition and conducting of music works, performance, digital media, design, and exhibitions).

In Section A of the Performance Appraisal Report, the Faculty (and Special Teaching Personnel on an optional basis) should prepare a statement/list that discusses/presents current research that is completed or still in progress. The Faculty is encouraged to note the degree and kind of support received from the University (e.g., teaching load reduction, time-off, research grant, etc.) that contributed to the successful completion of his/her scholarly endeavors. In this Section, the Faculty could also indicate what they consider as their future needs and how the University may accommodate and/or support them.

2.3 Service to the University, Community and Profession

Service to the University, Community and Profession encompasses a wide range of contributions made by a Faculty member to their academic institution, surrounding community and respective professional field. It may involve active engagement in activities that benefit various areas that would count as instances of professional development. As educators, Faculty need to pursue professional development in activities that improve instructional and research capabilities, qualifications, etc. The quality of contributions, not merely the numbers of committees and assignments, remains a significant consideration. The University also values contributions to planning, governance, and leadership in achieving the goals of the University, working with students outside the classroom and, wherever appropriate, making the University resources accessible to the wider community.

In Section A of the Performance Appraisal Report, the Faculty and Special Teaching Personnel should prepare a statement that discusses contributions made to the University and the local and wider community in the area of service. Activities such as committee memberships and offices held; providing mentorship and guidance to students, professionals, or society; collaborating with community organizations; participating in outreach programs, and actively contributing to professional and academic associations, committees pertaining to higher education formed and appointed by the government; contribution to event organization; training activity; reviews of manuscripts submitted for publication to university presses or scholarly journals; grant proposals/applications submitted to government agencies or learned and professional societies; review of grant applications submitted to government agencies or learned and professional societies; participation in education/training programs and pursuing of additional qualification/degrees; outreach activities, classroom work, and/or work with students outside the classroom should be outlined. Activities demonstrating involvement in community service and commitment to social responsibility, such as membership in community organizations and volunteer work should be noted. Also, other activities that extend the resources of the University to the wider community should be presented.

3. Performance Appraisal Process

3.1 The Performance Appraisal process will be based on the Appraisal Categories stated above, which are informed by the University's mission, purpose, strategy and objectives.

3.2 A Performance Appraisal Review Committee will be set up every second year by each Department. The Performance Appraisal Review Committee will consist of three members:

1. The Chairperson of the Department. In case the Department Chairperson does not hold the rank of Professor or Associate Professor, s/he will be replaced by another Professor of the Department following elections by the body of Professors of the Department. In Departments where there is no Faculty at the rank of Professor, the Chairperson will be replaced by an Associate Professor following elections by the body of Associate Professors of the Department. In Departments where there is no Faculty at the rank of Professor or Associate Professor, the Chairperson will be replaced by a Professor from another Department of the same School whose field of specialization is as close as possible to the Department's specialization. In this case, the assignment of the Committee member will be made by the Dean of the School and will be effective for a two-year term.
2. Two Professors of the Department elected by the body of Professors of the Department for a two-year term; in case the Department has no adequate Faculty at the rank of Professor, the members of the Committee will be elected from the body of Associate Professors of the Department. In case the Department has no adequate Faculty at the rank of Professor or Associate Professor the rest of the Committee members will be selected from the Professors of the other Departments of the same School whose field of specialization will be as close as possible to the Department's specialization. In this case, the assignment of the Committee member(s) will be made by the Dean of the School and will be effective for a two-year term.

3.3 The Performance Appraisal Review Committee should elect the Chair in its first meeting.

3.4 In case the appraisee is a member of the Performance Appraisal Review Committee, he/she cannot participate in the process. In this case (and only in this case) the Performance Appraisal Review Committee becomes a two-member committee.

3.5 The Performance Appraisal Review Committee is in charge of conveying the expectations of the Performance Appraisal process to Faculty and Special Teaching Personnel.

3.6 Section A of the Performance Appraisal Report document (See Appendix: Faculty & Special Teaching Personnel Performance Appraisal Report) will be used for recording an individual's performance, which will be completed and signed by each Faculty and Special Teaching Personnel and submitted

to the Performance Appraisal Review Committee via the Chairperson of the Department by the announced deadline every second year. The Chair of the Department witnesses through signature the validity of the content of the Performance Appraisal Reports-Section A submitted by the Faculty and Special Teaching Personnel and subsequently forwards it to the Chair of the Performance Appraisal Review Committee for the initialization of the appraisal process.

- 3.7** The Performance Appraisal Review Committee will carry out jointly the appraisal review of each Faculty member and Special Teaching Personnel member every two years.
- 3.8** The Performance Appraisal Review Committee will review the Performance Appraisal Report-Section A, give instructions for clarification/remedy in cases of ambiguity, verify the outcome of the appraisal of each Faculty and Special Teaching Personnel, and provide recommendations.
- 3.9** The Performance Appraisal Review Committee jointly will meet with each Faculty and Special Teaching Personnel to discuss the outcome of the review process and their recommendations before the end of the academic year. The Performance Appraisal Review Committee and the involved Faculty or Special Teaching Personnel should jointly fill in and sign the Performance Appraisal Report-Section B at the time of their meeting. The Faculty/Special Teaching Personnel may add her/his own comments.
- 3.10** The Performance Appraisal Report-Section B, based on the above stated Performance Appraisal Categories, will take the form of supportive and constructive feedback with specific agreed goals to be reached by the end of the following Performance Appraisal period.
- 3.11** Upon completion of the appraisal process, the final documents reach the School Administration Office, the Chairperson of the Department, the Dean of the School, the Vice Rector of Academic Affairs, and the Director of Human Resources before the end of the academic year.
- 3.12** The Committee also submits via its Chair to the Department Council a report on the overall professional development needs of the Department to be presented and discussed at the respective Department Council.

APPENDIX

**FACULTY & SPECIAL TEACHING PERSONNEL
PERFORMANCE APPRAISAL REPORT**

SECTION A:

(To be completed by the Faculty/Special Teaching Personnel member)

NAME:

DEPARTMENT:

SCHOOL:

ACADEMIC YEARS:

Please record your activities of your individual performance relating to each of the following categories during the last two academic years. In doing so, please refer to the activities/actions described in the Internal Regulation of the “Performance Appraisal of Faculty and Special Teaching Personnel”.

1. TEACHING

A) **Courses, Student Academic Advising, Support and Accessibility, and Supervision** (provide a list of courses taught, thesis and dissertations supervised, and briefly describe the provisions made to enhance the accessibility of your courses, your academic advising, etc.)

B) **Quality & Effectiveness** (briefly describe your teaching methodology, explaining in particular the effort undertaken for quality, innovation, and effectiveness. If relevant, provide information on course design, documentation, development and revisions, instructional publications, material production, teaching resources, program development and revisions, instructional innovation, appropriateness of assessment, etc.)

C) **Willingness, Cooperation and Flexibility**

D) **Other**

2. RESEARCH

A) Refereed Journal Publications (authors, year, article title, journal title, volume, issue, pages; in the language of the publication).

B) Refereed Book Publications (authors, year, book title, city; publisher; in the language of the publication).

C) Refereed Book Chapter Publications (authors, year, chapter title, book title, pages; in the language of the publication).

D) Funded Research Projects (duration of project, title, funding body, total funding of project, role in the project*).

*Project Role: i.e. Principal Investigator, Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, etc.

E) Other Refereed Research Activities** (including in the categories of curatorial and practice-based research, such as composition, conducting of music works, performance, digital media, design, and exhibitions)

**do not include conferences and dissemination activities

3. SERVICE TO THE UNIVERSITY, COMMUNITY AND PROFESSION

A) **Service to the University** (e.g. program coordination, administration responsibilities, committee memberships, event organization, etc., at the program, Department, School and University level)

B) **Service to the Community** (e.g. committee memberships, event organization, etc. outside the University -locally and internationally)

C) **Service to the Profession and Self-Development** (e.g. review activities, professional development activities, etc.)

D) **Other Service** (e.g. funded activities or work, consultancy projects)

Date of Submission:.....

Signature of the Faculty/Special Teaching Personnel member

Signature of the Chairperson of the Department confirming the validity of the content of the Performance Appraisal Report

Date:.....

SECTION B:

(To be jointly completed and signed by the Performance Appraisal Review Committee and the Faculty/Special Teaching Personnel member)

NAME:

DEPARTMENT:

SCHOOL:

ACADEMIC YEARS:

Please jointly fill in and sign at the time of your meeting with the involved Faculty member/Special Teaching Personnel Section B of the Appraisal Report. The Performance Appraisal Review Committee provides its recommendations and the involved Faculty/Special Teaching Personnel member may add comments in the last section of the Report.

The Report is based on the Appraisal Categories described in the Internal Regulation of the “Performance Appraisal of Faculty and Special Teaching Personnel” and aims to provide supportive and constructive feedback with specific agreed goals to be reached by the end of the following Performance Appraisal period.

1. TEACHING

Overall Appraisal of Teaching:

Agreed goals to be reached by the end of the two-year Performance Appraisal period:

2. RESEARCH

Overall Appraisal of Research:

Agreed goals to be reached by the end of the two-year Performance Appraisal period:

3. SERVICE TO THE UNIVERSITY, COMMUNITY AND PROFESSION

Overall Appraisal of Service to the University, Community and Profession:

Agreed goals to be reached by the end of the two-year Performance Appraisal period:

Comments for Overall Performance Appraisal:

By the Performance Appraisal Review Committee:

**By the Faculty/Special Teaching Personnel member
(Comments may include suggestions on how the Department/School/University
may support her/him to improve her/his performance by the end of the
Performance Appraisal period):**

Comments by Review Committee Member:

Date of Meeting:

Signature of the Chair of the Performance Appraisal Review Committee

Signature of Members of the Performance Appraisal Review Committee

Signature of the Faculty/Special Teaching Personnel member



INTERNAL REGULATION ON RESEARCH POLICY

54th Senate Decision: 21 December 2017

60th Senate Decision: 2 October 2018

70th Senate Decision: 13 December 2019

80th Senate Decision: 28 January 2021

86th Senate Decision: 14 October 2021

87th Senate Decision: 9 December 2021

92nd Senate Decision: 29 September 2022

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INTRODUCTION

Within the framework of further contribution to the research community, the mission of the European University Cyprus (from now on referred to as the University or EUC) is to develop a pioneering and innovative research infrastructure with the objective of generating new knowledge. The university focuses on both fundamental and applied research and wherever possible the commercial application or exploitation of the research results.

The policy is guided by the following broad objectives:

- 1) The establishment of an interdisciplinary approach for researchers with attractive conditions for accessible movement among institutions, disciplines, sectors and countries, without financial and administrative obstacles.
- 2) The creation of state of the art research infrastructures, including research centres, foundations, units and/or laboratories, which are integrated and networked and accessible to research teams from across the EUC.
- 3) Introduction of a simple and harmonized regime for intellectual property rights in order to enhance the efficiency of knowledge transfer, in particular between public research and industry.
- 4) Optimization of research programs and priorities, for example by developing joint principles for the administration of European, national and regional funding programs.
- 5) The strengthening of international cooperation enabling faculty and other scholars in the world to participate in various research areas, with special emphasis on developing multilateral initiatives to address global challenges.
- 6) The transfer of research-based knowledge to EUC students

Research is conducted by faculty members, research associates/research personnel and PhD students either on their own or within the framework of external (national, European, international) and internal funding programs that are launched by the University.

The Research Policy provides a code of conduct for research and is intended for all staff, including people with honorary positions, faculty members, special teaching personnel, scientific collaborators, special scientists, research associates, and students carrying out research at or on behalf of the University.

All groups mentioned above must familiarize themselves with the Research Policy to ensure that its provisions are observed.

1. EUC Research Ethics Policy

1.1 Scope and Purpose

1. The aim of the EUC Research Ethics policy is to promote and encourage a high quality research and enterprise culture, with the highest possible standards of integrity and practice. The policy applies to all academic, contract research and administrative staff, all research students, as well as undergraduate and masters students who are undertaking research. In short, the policy applies to all disciplines and research activities within the University, or sub-contracted on its behalf.
2. All staff and students are expected to act ethically when engaged in University business. Any research involving animals, human participants, human tissue or the collection of data on individuals requires ethical consideration. While particular attention must be paid to the interests of potentially vulnerable groups, such as children, the University recognises that it has a duty of care towards all members of the wider community affected by its activities. The University also recognises that it has a duty of care to its own staff, and that this includes the avoidance of harm to those undertaking research.
3. The University will establish a framework for research ethics governance in which its Research Ethics Committee will have a central approval, monitoring and training role. The University will establish a Research Ethics Committee with representatives from all the Schools. The Research Ethics Committee will put in place the procedures needed to obtain approval.

It is, however, recognised that it may not always be appropriate or practicable for ethical approval to be sought from the Research Ethics Committee especially when it comes to short or undergraduate projects. Normally undergraduate or taught projects will not require clearance from the Research Ethics Committee and the matter can be dealt with at School and/or Department level. However, when active intervention is involved whether physically invasive or psychologically intrusive the Research Ethics Committee will need to be consulted. In particular, university staff has an obligation to ensure that not only their own research but any undergraduate or masters student research conducted under their supervision is ethically sound. Where research projects are subject to external approval, the School or Department responsible must ensure that this approval is sought and given. Where approval for a project has been given by a Research Ethics Committee at another university, as may be the case with a collaborative project, the EUC Research Ethics Committee must be provided with proof of this.

4. For some research projects it may be necessary to obtain the approval of the Cyprus National Bioethics Committee. Researchers should consult directly

with the Cyprus National Bioethics Committee. Contact details and more information on the approval process can be found on <http://www.bioethics.gov.cy>.

1.2 General Principles

1. The EUC Research Ethics Policy is based on widely accepted principles and practices governing research involving human participants. The key elements are:
 - Minimal risk of harm to participants and researchers;
 - Potential for benefit to the society;
 - Maintenance of the dignity of participants;
 - Minimal risk of harm to the environment;
 - Voluntary informed consent by participants, or special safeguards where this is not possible;
 - Transparency in declaring funding sources;
 - Confidentiality of information supplied by research participants and anonymity of respondents;
 - Acknowledgement of assistance;
 - Appropriate publication and dissemination of research results;
 - Independence and impartiality of researchers.

1.3 The Definition of Human-Related Research

1. All human-related research which includes one or more of the following require ethical assessment and approval at the appropriate level:
 - Direct involvement through physically invasive procedures, such as the taking of blood samples
 - Direct involvement through non-invasive procedures, such as laboratory-based experiments, interviews, questionnaires, surveys, observation
 - Indirect involvement through access to personal information and/or tissue
 - Involvement requiring consent on behalf of others, such as by parents for a child participant

1.4 Vulnerable Participants

1. Some participants may be particularly vulnerable to harm and may require special safeguards for their welfare. In general, it may be inappropriate for undergraduates to undertake research projects involving such participants.
2. Particularly vulnerable participants might be:
 - Infants and children under the age of eighteen
 - People with physiological and/or psychological impairments and/or learning difficulties.

- People in poverty
- Relatives of sick, or recently–deceased, people

1.5 The Legal Framework, the Role of Professional Associations and Research Councils

1. All research undertaken under the auspices of EUC must meet statutory requirements. Of particular relevance is the Bioethics Law (N.150 (I)/2001 and 53 (I)/2010), the Data Protection Law (2001), the Patients Protection Law (2005), and all those laws that create the legal framework for the Cyprus National Bioethics Committee.
2. Researchers in particular disciplines should comply with any research ethics guidelines set out by their professional associations.
3. Research Councils, charitable trusts and other research funding bodies in most cases require an undertaking from grant applicants that research proposals involving human participants have been approved by the University Research Ethics Committee or another appropriate body. Some also require audited compliance with their guidelines.

2. Good Research Practices / Code of Ethical Conduct in Research

2.1 Code of ethical conduct in research

Scholarly inquiry and the dissemination of knowledge are central functions of the University. They can be carried out only if faculty and research personnel abide by certain rules of conduct and accept responsibilities stemming from their research. And they can only be carried out if faculty and research personnel are guaranteed certain freedoms. The University expects that faculty and research personnel will be bound by the following research practices:

All faculty and research personnel are free to choose any research matter, to receive support from any legitimate source, and to create, analyse and derive their own findings and conclusions.

Research methods, techniques, and practices should not violate any established professional ethics, or infringe on health, safety, privacy and other personal rights of human beings and/or animals.

The above principles define the university's role with respect to research carried out on its premises. They are set forth to reinforce, and not diminish each faculty and research personnel's personal responsibilities toward their research, and to assure that each faculty and research personnel's source of funding and research applications are consistent with moral and societal conscience.

2.2 Openness in research

The University recognizes and supports the need for faculty and research personnel to protect their own rights, be they academic or intellectual property rights. Even so, the University encourages all faculty and research personnel to be as open as possible when discussing their research with other researchers and the public. This aims at the dissemination of research performed in the University to enhance the international research community's knowledge and understanding.

2.3 Integrity

Faculty and research personnel must be honest about their research and in their review of research coming from other researchers. This applies to all types of research work, including, but not limited to, analysing data, applying for funding, and publishing findings. The contributions of all involved parties should be acknowledged in all published forms of findings.

Faculty and research personnel are liable to the society, their professions, the University, their students and any funding agency that may fund their research. For this reason, faculty and research personnel are expected to understand that any form of plagiarism, deception, fabrication or falsification of research results are regarded as grave disciplinary offences managed by procedures described in detail in Section 2.4.

Any real or potential conflict of interest should be reported by faculty and research personnel to any affected party in a timely manner in all matters concerning research and peer review. According to the United States National Institute of Health "Conflict of interest occurs when individuals involved with the conduct, reporting, oversight, or review of research also have financial or other interests, from which they can benefit, depending on the results of the research." (<http://www.nih.gov>).

2.4 Misconduct in research

Misconduct in research may involve Fabrication, Falsification, or Plagiarism in proposing, performing, or reviewing research, or in reporting research results. To prove that there has been misconduct in research, the following conditions must be met: The performance of said research has significantly deviated from accepted practices used in the field that the research was performed, and there was intention in the misconduct by the researcher(s).

Any allegations about misconduct in research will be investigated by the University thoroughly, through a special committee formed as described in the University Charter, Annex 11, Article VII.

2.5 Wide dissemination of Research Results

The results of publicly-funded research must be widely disseminated. Wide dissemination can be achieved through teaching, publication, knowledge transfer, or other scientific endeavours which enable open access and ensures availability of knowledge and benefits produced in the framework of research. The dissemination of publicly-funded research is monitored by the Dean of each School and pertinent information is submitted to the Vice Rector through the School Annual Report.

3. Intellectual Property Policy

3.1 Introduction

The EUC is dedicated to teaching, research, and the extension of knowledge to the public. Faculty, research personnel, and students at the University, hereafter referred to as "University Employees," recognize as two of their major objectives the production of new knowledge and the dissemination of both old and new knowledge. Because of these objectives, the need is created to encourage the production of creative and scholarly works and to develop new and useful materials, devices, processes, and other inventions, some of which may have potential for commercialization.

The University acknowledges the need for an Intellectual Property Rights (IPR) policy, which will promote the University's reputation as socially relevant, leading research and teaching organization.

The policy is based on the principles that will govern the ownership rights emanating from research of and/or materials produced by the EUC's members of staff and students, and to establish objectively fair and equitable criteria for the transfer of knowledge. The EUC thus aims to provide support services to promote the creation of Intellectual Property (IP) whilst seeking to maximize the commercial exploitation of the resulting IPR.

Intellectual Property includes, but is not limited to, patents, registered designs, registered trademarks and applications and the right to apply for any of the foregoing, copyright, design rights, topography rights, database rights, brands, trademarks, utility model rights, rights in the nature of copyright, knowhow, rights in proprietary and confidential information and any other rights in inventions.

The EUC acknowledges that registration and commercial exploitation of Intellectual Property is often a long and costly process that is justified once it is ascertained that there exists a business case for such registration and exploitation. It is known that in practice, only a small number of works can be commercially exploited in a viable manner, depending on the nature and marketability of the work in question.

3.2 Definitions

For the purposes of this Policy:

Creator - “Creator” shall mean, employees of EUC, a student, non-employees contracted to EUC for contracts and services, or a member of a Visiting Teaching Staff involved in the production of Disclosable Work.

Disclosable Work – “Disclosable Work” shall mean such work that is novel, original, and/or important and is likely to bring impact and enhance the Creator’s reputation. This work is characterized by the IP rights it generates.

Intellectual Property Policy – “IP Policy” is the name of the policy described here that outlines the regulations of the EUC in regard to disclosure and exploitation of Intellectual Property Rights (IPR).

Organization – “Organization” for the purpose of this document is the European University Cyprus (EUC).

Intellectual Property Adjudication Committee – is the name of the committee established to resolve disputes over interpretation or claims arising out of or relating to this policy, or dispute as to ownership rights of Intellectual Property under this policy.

The Office of the Vice Rector for Research and External Affairs – is the office within the EUC responsible for the development of and enacting this IP Policy and is the interface between the EUC and the Technology Transfer Facility.

The EUC Research & Innovation Management Board (thereafter EUC – RIMB) – is the entity within EUC responsible for the management of knowledge transfer activities and the re-investment of potential revenue in non-economic research activities.

Technology Transfer Facility – “TTF” for the purpose of this policy, is the relevant body responsible for Technology Transfer support in Cyprus.

3.3 Intellectual Property Regulations

3.3.1 Responsibility

1. The IP Policy acknowledges that all members of staff and students have responsibilities with regard to IPR arising from and/or used by them in the course of their teaching/employment.
2. The IP Policy also recognises that all members of staff and students require

support and assistance to help them to meet their responsibilities and this will be provided by the Office of the Vice Rector for Research and External Affairs and, subsequently, by the Technology Transfer Facility.

3.3.2 Identification of IP (including duty of confidentiality)

It is expected that identification will take place when employees, students, or members of staff are involved in creating and developing IP. Much of the IP which will be created by the EUC's employees may be anticipated prior to its creation depending on the nature of the project in question and outputs and results that are expected to be generated. Examples of such outputs which are likely to have potential IP rights arising include (but are not limited to):

- Inventions (whether or not patentable);
- Methodologies;
- Software;
- Databases;
- Educational/training materials and tools;
- Modelling tools;
- Solutions to technical problems; and
- Design/artistic products.

3.3.3 A Summary of the main classes of IPR is listed below:

Patent

A registered patent provides a time-defined (up to 20 years) geographically defined monopoly right to exploit a new commercially valuable invention or process. The basis of the permission to exploit is that the invention's working is disclosed, although patenting is not possible if there has been ANY prior disclosure of the invention. Patents are governed by Cyprus Law or EU Law such as the New Patent Law of Cyprus (Law No. 16(I)/1998).

Copyright

This time-limited right (which varies between 25 and 70 years according to the material) arises automatically on the physical creation (not the idea) of software, original literary, dramatic, artistic or musical work, and in recorded (e.g. film) or published (e.g. layout) derivations. Use of the © mark and owner's name and date is the internationally recognized way of alerting the public to the copyright ownership but the protection (the right to preventing unauthorized copying) exists regardless. Copyright is governed by the Copyright Law, 59/76.

Copyright may be assigned to a third party, but until that point or until a license is agreed it remains the property of the Creator, unless s/he creates the work 'in

the course of his/her employment', in which case it is the property of the employer.

Moral rights

All European countries recognize an author's moral rights. In Cyprus, there are two moral rights: the right of paternity and the right of integrity. These rights relate to the reputation or standing of the creator in the eyes of fellow human beings. To infringe a moral right involves denigrating or harming the author's reputation. The right of integrity means the creator has the right to object to derogatory treatment of his/her work. Basically, this means changing it in a way that affects the nature of the work without permission. Moral rights can be waived (i.e. the author chooses not to exercise the rights) or they can be bequeathed. They cannot be assigned.

Performing rights

Creators of copyright works have the right to protect the physical form in which those works are created – words on the page, pigment on a canvas, or the clay or metal of a sculpture. Performers such as teachers, actors, musicians and dancers also enjoy protection of their performance, especially when recorded on film, video, tape, CD, or in other form.

Performing rights may affect the multimedia elements of online courseware, as well as the Creator's copyright in the material itself.

Database Right

This time-limited (15 years) right arises without registration to protect the compilers of non-original information from losing the benefit of their work through unauthorized copying or re-use.

Industrial Designs

There is automatic time-limited (15 years) protection (the right to prevent unauthorized copying) for unregistered designs, provided authorship can be proved, under the Legal Protection of Industrial Designs and Models Law 4(I)/2002 This design right covers "the appearance of the whole or a part of a product resulting from the features of, in particular, the lines, contours, colors, shape, texture and/or materials of the product itself and/or its ornamentation" on condition of novelty of the design.

On registration under Legal Protection of Industrial Designs and Models Law, the designer of the new pattern or shape which has aesthetic appeal (can be 2 or 3 dimensional) acquires a monopoly right of commercialization for a maximum of 25 years from the filing of the application, divided into 5 periods of 5 years.

An unregistered community design (UCD) gives its owner the right to prevent unauthorized copying of their design throughout the European Union. It is not a monopoly right and lasts for 3 years from the date on which the design was first made available to the public within the Community.

Domain Names

Registering a domain name for Internet use gives a right to use the domain name typically for a period of two years, registered with bodies like ICANN internationally and the University of Cyprus in Cyprus. Owners of trademarks can have established rights to domain names.

Trade Marks

Registering a trade mark under the Cyprus Trade Marks Law, Chapter 268, gives a monopoly right for the use of graphically distinct trading identification signs. Unregistered trade marks have some protection through court actions against "passing off" (piracy), provided that their use has not lapsed for a period of 5 years. Cyprus legislation is fully harmonized with EU Standards applicable in trade mark protection.

EUC's members of staff and students undertake to keep confidential and not disclose any confidential information, data, materials, knowhow, trade secrets or any other IP, to any unauthorised third party and shall also undertake to keep such information secure and strictly confidential both during the course of research activity, be it of an Academic or Collaborative/Contract nature, and also on and following completion thereof.

Any breach of this confidentiality and non-disclosure obligation constitutes a serious breach and may lead to disciplinary action and does not prejudice the rights of the EUC to file any action for damages or any other rights available at law.

3.3.4 Coverage of the Regulations

1. Whom does this IP Policy apply to?

- **Employees:**

By persons employed by the EUC in the course of their employment.

- **Students:**
By student members in the course of or incidentally to their studies at EUC.
- **Non-employees contracted to the EUC:**
By persons engaged by EUC under contracts for services during the course of or incidentally to that engagement.

2. **Sabbatical, Seconded, Visiting Academics and others:**

By other persons engaged in study or research in the University who, as a condition of their being granted access to the EUC's premises or facilities, have agreed in writing that this Part shall apply to them.

3. **Participation of the EUC members of staff/employees and or students in Collaborative and/or Contracted Research.**

The preparation and negotiation of any IP agreements or contracts involving the allocation of rights in and to IP will be undertaken by a competent person authorized for this purpose by the EUC-RIMB.

Issues that will be addressed in such agreements include, but will not always be limited to:

- ownership of Foreground IP;
- licences to Foreground IP for uses outside the project;
- ownership of Background IP;
- licences to use Background IP in the project or activity in question and in relation to the use of the Foreground IP arising from such project or activity;
- allocation of rights to use or commercialise IP arising from any such project or activity and the sharing of revenues; and
- publications arising from the relevant project or activity and the rights arising from such projects or activities.

The terms of such agreements may be subject to negotiation.

3.3.5 Exceptions to the Regulations

1. Unless specifically commissioned, typically the EUC will NOT claim ownership of copyright in certain types of Disclosable Work described in this policy as “Creator Copyright Works”:
 - artistic works;
 - text and artwork for publication in books;
 - articles written for publication in journals;
 - papers to be presented at conferences;
 - theses and dissertations;

- oral presentations at conferences;
 - posters for presentation at conferences; and
 - musical scores.
2. Where IP has been generated under the exception clause of this regulation, the EUC may assign the copyright to the Creator.
 3. Students – undergraduate and/or postgraduate.

3.3.6 Disclosure of IP

1. All persons bound by these Regulations are required to make reasonably prompt written disclosure to the EUC's Office of the Vice Rector for Research and External Affairs at the outset of the work or as soon as they become aware of it (by completion of the Invention Disclosure Form, the information required for which is provided in Appendix B):
 - any IP of potential commercial value arising from their work;
 - the ownership by a third party of any IP referred to or used for their work;
 - any use to be made of existing EUC IP during their work;
 - any IP which they themselves own which is proposed to be used by the EUC.
2. Creators shall keep all Disclosable Work confidential and avoid disclosing this prematurely and without consent;
3. Only disclose any Disclosable Work and the IP relating to it in accordance with the EUC's policy and instructions;
4. Seek EUC's consent to any publication of information relating to any Disclosable Work;
5. Creators must NOT:
 - i. apply for patents or other protection in relation to the Disclosable Work; and
 - ii. use any Disclosable Work for their own personal and/or business purposes and/or on their own account.

3.3.7 Ownership of IP

1. Ownership of IP created by an individual who is an employee is generally determined by considering:
 - Who created the IP?
 - Was the IP created in the course of the Creator's employment?
 - Are there any contractual conditions that affect ownership?
2. Assignment of ownership rights

Generally, the Creator of IP is its legal owner. From the EUC's point of view, the most important exception to this is the general rule that IP is owned by a person's employer where the IP is created as part of, or through the auspices of, the person's employment.

3. The EUC claims ownership of all the Intellectual Property specified in section 2.2, which is devised, made or created by those specified in section 3 and under the exceptions to the regulations in Section 4. It also includes but is not limited to the following:
 - i. Any work generated by computer hardware/software owned/operated by the EUC.
 - ii. Any work generated that is patentable or non-patentable.
 - iii. Any work generated with the aid of the EUC's resources and facilities including but not limited to films, videos, field and laboratory notebooks, multimedia works, photographs, typographic arrangements.
 - iv. Any work that is registered and any unregistered designs, plant varieties and topographies.
 - v. Any University commissioned work generated. Commissioned work is defined as work which the EUC has specifically employed or requested the person concerned to produce, whether in return of special payment or not and whether solely for the University or as part of a consortium.
 - vi. Know-how and information related to the above
 - vii. Any work generated as a result of the teaching process including but not limited to teaching materials, methodologies and course outlines.
 - viii. Material produced for the purposes of the design, content and delivery of an EUC course or other teaching on behalf of the school, whether used at the school's premises or used in relation to a distance learning and/or e-learning project. This type of material includes slides, examination papers, questions, case studies, and assignments ("course materials").
 - ix. Material for projects specifically commissioned by the EUC
 - x. All administrative materials and official EUC documents, e.g. software, finance records, administration reports, results and data.
 - xi. Study guides created by an Instructor for the University

3.3.8 Modus Operandi for Commercial Exploitation of the IPR

1. The EUC-RIMB handles the commercial exploitation of any results obtained under research conducted at EUC (unless this entitlement is relinquished). The Office of the Vice Rector of Research and External Affairs has the responsibility for the administration of Disclosures and will work with the TTF of Cyprus, which has responsibility for commercialisation of Disclosures. As guidance to the commercialisation process, the EUC/TTF will follow a standard process, graphically presented in Appendix A.
2. The Creator/s shall notify the Office of the Vice Rector for Research and External

Affairs of all IP which might be commercially exploitable and of any associated materials, including research results, as early as possible in the research project. This notification shall be effected by means of an Invention Disclosure Form (contents as noted in Appendix B). In case of doubt as to whether research is commercially exploitable or otherwise, the Creator/s undertake/s to seek the advice of Cyprus Central TTF.

3. The Office of the Vice Rector for Research and External Affairs shall immediately acknowledge receipt of the Disclosure Form. In consultation with the TTF and the Creator/s, shall decide whether the EUC-RIMB and the TTF has an interest to protect and exploit the relevant IPR.
4. The TTF shall communicate the decision in writing to the Office of the Vice Rector and the Creator/s by not later than three months from the date of receipt of the Invention Disclosure Form. If the EUC-RIMB and TTF decide to protect and exploit the IPR, it is understood that:
 - the Creator/s shall collaborate with the EUC and the TTF, to develop an action plan for the protection and commercial exploitation of the IP;
 - the TTF in collaboration with the Creator/s shall ensure that third party rights are not infringed in any way through the process; and
 - the EUC/TTF shall seek to protect the right of the Creator/s to use the said IP for strictly non-commercial purposes.
5. Should the EUC and TTF decide that there is no interest in protecting and exploiting the relevant IPR, or should it fail to inform the Creator/s about its decision within the stipulated time, the EUC-RIMB may assign all EUC rights, title and interest in such IP to the Creator/s concerned, whilst the EUC retains the right to use the said IP in whichever manifestation for strictly non-commercial purposes.
6. The Creator/s SHALL NOT enter into any sponsorships or commercial agreements with third parties related to their research at EUC without prior written authorisation by the Office of the Vice Rector for Research and External Affairs. This said, it is understood that consent shall generally be granted to the Creator/s for such requests as long as the IPRs of the EUC are safeguarded; otherwise the claims on IPR expected by the third party must be agreed upon explicitly upfront.

3.3.9 IPR protection

1. Some forms of IP require active steps to be taken to obtain protection (e.g.: patents, registered trademarks and registered designs). Other forms of IP rights are protected on creation (e.g. Copyright, EU Database Rights) but still require appropriate management in order to maximise the protection available. Best practices in patent protection require that all materials made publicly available by

any employees, members of staff and/or students should include a copyright notice.

2. Any decisions relating to the registration of any IP rights such as making an application for a patent or a registered trade mark or a registered design (including any decisions to continue or discontinue any such application) should be made in consultation with the Office of the Vice Rector for Research and External Affairs and the TTF. The IP registration process can be very expensive and IP protection costs should not be incurred without appropriate consideration of how such costs will be recovered.

3.3.10 Revenue Sharing Mechanism

The EUC's employees and students can benefit from the Revenue Sharing Scheme if their work generates income. The scheme is presented in Appendix C. Note that such revenue to be shared is typically calculated after deduction of all costs incurred by the EUC and TTF in developing, protecting, exploiting, and marketing the Disclosable Work and the Intellectual Property it contains.

3.3.11 Leaving the EUC

Cessation of employment, under normal circumstances, will not affect an individual's right to receive a share of revenue. Exceptions to this rule include: cessation of employment due to disciplinary actions.

3.3.12 Applications to use the EUC's IP

1. The EUC may be willing to consider requests from its staff and/or students for a licence to use specific IP, owned by EUC for their use although the terms and decision to grant any such licences is a decision wholly made by the EUC.
2. Applications for such licence should be made in writing to the Office of the Vice Rector for Research and External Affairs.

3.3.13 Breach of the Regulations

1. Breach of the regulations listed in this Policy may be a disciplinary matter for the EUC's staff and students under the normal procedures.
2. The EUC shall consider all avenues available to it, including legal action if necessary, in respect to persons bound by these regulations who acted in breach of them.

3.3.14 Discretion to assign/license back

1. If the EUC-RIMB does not wish to pursue the commercialisation of any Intellectual Property or does not wish to maintain an interest in the IPR, it has the right to assign such IPR rights to the Creator/s of the IPR by entering into an agreement to enable the IP to be used by the Creators. This will generally only be granted where there is clear evidence that the IP provides no other benefit to the EUC and is not related to other IP, which the EUC has an interest in.

However, the EUC-RIMB shall not assign its IP if it considers that the commercialisation of the IP could potentially bring harm to the name of the EUC. Decisions regarding potential harm will be taken by the Research Ethics Committee of EUC.

2. Requests for any transfer of rights from the EUC to another party with rights should be made in the first instance to the Vice Rector for Research and External Affairs.

3.3.15 Amendments to the Regulations

These Regulations may be amended by the Senate of the EUC on the recommendation of the Vice Rector for Research and External Affairs.

3.3.16 Death

In the event of a researcher's death, the entitlement shall continue for the benefit of his or her estate.

3.3.17 Disputes

1. Any question of interpretation or claim arising out of or relating to this policy, or dispute as to ownership rights of intellectual property under this policy, will be settled by submitting to the EUC's Intellectual Property Adjudication Committee a letter setting forth the grievance or issue to be resolved. The committee will review the matter and then advise the parties of its decision within 60 days of submission of the letter.
2. The Intellectual Property Adjudication Committee will consist of a chair who is a member of the tenured faculty, at the rank of either a Professor or an Associate Professor, one member of the faculty from each School, at the rank of either Assistant Professor or Associate Professor or Professor, an individual from the EUC with knowledge of Intellectual Property and experience in commercialisation of

Intellectual Property, and two other members representing, respectively, the EUC administration, and the student body. The chair will be appointed by the Vice Rector for Research and External Affairs, with the advice and consent of the Senate Research Committee, and the remaining members of the committee will be appointed: the faculty members, each by their School's Council, the administration representative by the University Council or its designee, and the student representative by the Student Union.

The committee will use the guidelines set forth in this policy to decide upon a fair resolution of any dispute.

3. Any disputes regarding the revenue distribution from the exploitation of Disclosable Works will be dealt with in accordance with the EUC's normal member of staff or student dispute procedures as outlined in the contractual terms of conditions.
4. The Parties shall attempt to settle any claim, dispute or controversy arising in connection with this Policy, including without limitation any controversy regarding the interpretation of this Policy, through consultation and negotiation in good faith and spirit of mutual cooperation. Where such claims or disputes cannot be settled amicably, they may be taken to court.
5. This Agreement shall be governed by, and construed in accordance with the laws of Cyprus.

4. Offices, Committees and Centres for Research

4.1 Vice Rector for Research and External Affairs

The Vice Rector for Research and External Affairs (from now on referred to as the Vice Rector) is the person responsible for representing the University on research matters and enhancing activities related to research within the University. Moreover the Vice Rector facilitates and supports, when asked by faculty or research members, all research activities, including the implementation of research projects, the organization of scientific conferences and the establishment of research units/labs. In addition, the Vice Rector is responsible for the smooth implementation of the University's Research Policy.

4.2 Senate Research Committee

The administration of the research activity is facilitated by the Senate Research Committee of the University. The Committee composition is prescribed in the University Charter and the Committee is accountable to the Senate of the University.

4.3 Research Foundations and Centres

Research is carried out in university departments, research foundations, and centers. The Senate suggests to the University Council the formation of new foundations and research centers or the discontinuation of existing ones, if necessary.

The University Council approves the establishment of these foundations and research centres. Separate regulations are issued for the establishment of University research centres. Detailed description of the mission, area of specialization, and operation of each foundation or research centre is given in a separate document.

4.4 Research Office

Detailed description of the mission, area of specialization, and operation of the Research Office is given in a separate document. The job description for the Head of Research Office is presented in Appendix E.

4.5 EUC Research & Innovation Management Board

The Board is appointed by the EUC Senate and is composed by the Vice Rector of Research and External Affairs, the Head of the EUC Research Office, and a senior member of the faculty with an established research and funding securing record. The Board decides independently on research activities and research projects and reports to the Senate.

5. Rules Governing External Research Programmes

5.1 Suggested procedure for submitting and implementing a funded research project

The following rules apply for externally funded research projects:

5.1.1 Submission of research proposals:

Faculty and research personnel that are interested in submitting a proposal or participate in a proposal for ANY kind of externally funded research project (commercial, consultancy, RPF, European etc) should consult and get the approval of the EUC Research Office. The formal procedures developed by the Research Office pertaining to the development of a research proposal and to participation in a research project should be followed in all cases. Given that in all research and consulting application forms a budget also needs to be prepared, the budget will be developed in collaboration with the EUC Research Office, sharing their expertise with the faculty and research personnel and advising them accordingly about the cost models and cost categories used in each case.

This procedure should make sure that the proposal satisfies all the necessary criteria of the particular research call.

The final approval for financial and administrative issues of proposals or projects will be signed by the legal representative of EUC.

5.1.2 Project implementation

The formal procedures developed by the Research Office pertaining to the administration of a research project should be followed in all cases.

In the case where a project is awarded, a copy of the contract and all the original receipts, invoices, contracts and other accounting documents regarding expenses of the project will be maintained by the EUC Research Office without any additional remuneration or personnel costs added to the budget of a project. The researcher/s involved in an externally funded project are responsible for submitting all receipts, invoices, contracts and other accounting documents relevant to their project to this department. No payment will be processed before the submission of the aforementioned documents to the Research Office.

Timesheets should be kept for all projects. These will be used as the basis for calculating the money to be paid to researchers for all types of projects. The EUC Research Office will assist researchers to calculate the hourly and daily rate for each staff member.

The researcher must also inform the Chief Financial Officer of the University, through the EUC Research Office, in order to create a separate ledger (account) in the University's Accounts Department. After completion of the project, the Accounts Department will keep the file on record for 5 years or more if needed by the contractual agreement.

The EUC Research Office should keep a file with all the details concerning the project. The file must be made available to the Senate Research Committee upon request.

5.1.3 Financial issues concerning externally funded research projects

All incoming funds for the execution of a project are deposited in a separate account (ledger) of the University and all necessary expenses with their receipts relating to the project are signed by the Vice Rector for Research and External Affairs,.

The time spent by faculty and research personnel on national, European or international research projects is, with rare exceptions, an eligible cost for

inclusion in a project budget at a level which reflects the time to be spent by faculty and research personnel on the project and the employer's cost. These are real project costs and their inclusion in project budgets is strongly required.

Salary payments to faculty and research personnel will be paid out regularly by the Accounts department upon the project coordinator's request to the Research Office and provided that the allocated amount for the previous period has been received from the funding agency and all reporting requirements for the previous period to the funding agency have been met.

In cases of delay in receiving the predetermined instalment, the University will grant to the researcher the required funds (not his/her compensation/remuneration but costs such as equipment, consumables, traveling) to initiate the research, provided that a copy of the contract and all necessary documentation had been submitted to the Research Office.

Employment of additional temporary staff, budgeted for completion of the research project, will be the responsibility of the project coordinator. The remuneration for temporary staff will depend on the corresponding budget of the project and the possible allocation of funds for this purpose.

Subcontracting activities within the framework of a research project will be the responsibility of the project coordinator. These activities should be in alignment with the corresponding budget of the project, the grant rules, and the EUC subcontracting policy.

In the case where a faculty or research personnel fails to complete a research project due to failure to meet his/her contractual obligations, or if it is clear that there was an intention of misconduct and there are financial damages laid upon the University relating to this event, the faculty or research personnel is liable to pay these damages. This will not be applied in cases such as health problem, etc, where there is clearly not an intention of misconduct.

5.1.4 University research fund

All funds allocated for research from externally-funded research projects, the University as well as funds offered for research purposes from third parties will be deposited in the University Research Fund. Recommendations for the allocation of funds are made by the EUC Research & Innovation Management Board and are subject to the final approval of the Senate. These funds can be used to finance solely non-economic research activities such as:

- (a) Participation of academic researchers in conferences, seminars, and meetings to co-ordinate activities, which are needed for submission of external programmes.

- (b) The administration costs associated with providing support services to academic researchers.
- (c) Organisation of training seminars for the faculty and research personnel of the University; these seminars shall be organized if and only will help/assist and/or facilitate researchers to enhance and further develop their knowledge in subjects related to their research fields and help them design and implement research projects.
- (d) Purchase of software, hardware and equipment that are needed by faculty and research personnel for research projects.
- (e) The funding for the University's Internal Research Awards
- (f) The funding of PhD scholarships
- (g) Development of Infrastructure related to the research activity of the University.
- (h) Funding of the activities of the Research Office of the University
- (i) Open Access Publication Fees
- (j) Any other activities pertaining to the wide dissemination of research-generated outputs

6. Rules Governing Internal Research Awards

The University's "Internal Research Awards" (IRA) are launched on an annual basis by the Senate Research Committee, are announced by the Vice Rector for Research & External Affairs and financed by the University Research Fund and external sponsors as described in Section 5.1.4 above.

6.1 Purpose

IRAs are awarded to EUC faculty in order to pursue research and other creative work. IRAs provide support for exploratory research projects which might result in proposals submitted for external funding or in creative work that is likely to enhance the recognition of the faculty and research personnel and the University at large. IRAs may be used for funding travel, equipment, supplies, PhD student assistants' scholarships, student assistants, research assistants and other expenses. Funding for this programme comes from the University Research Fund.

6.2 Eligibility for the awards

All full-time faculty members of the University who have the rank of Assistant Professor or higher are eligible to apply for the awards. Specific eligibility criteria may apply for each type of award.

6.3 Application Procedure

The Vice Rector for Research and External Affairs initiates the selection process by issuing a call for proposals. The deadline for the submission of proposals will be announced. Application materials will be available from the office of the Vice Rector for Research and External Affairs and the proposals will be submitted electronically to the office of the Vice Rector.

6.4 Selection and Evaluation Procedure

The selection is made by an ad-hoc sub-committee of the Senate Research Committee.

For the evaluation, the following criteria are applicable:

Research Activity 40%

- Quality of the results of the Applicant's research activity and their importance at an international level.
- Publications of the Applicant's research results in distinguished scientific journals and presentations in high impact international conferences.
- Evidence of the use and exploitation of the results of the research activity for the improvement of the quality of life in Cyprus and the wider European area or/and the possibility of commercial exploitation, introduction in the international market and patent registration.

Curriculum Vitae 40%

- Qualifications and achievements of the Applicant.

Future Research 20%

- Suggested framework of activity for the continuation of the applicants' work in the next 2-3 years.

The selection committee may request an external review of each nomination if it is deemed necessary.

7. Teaching Hours Reduction for Research Purposes

Introduction

The University rewards full time faculty members who excel in research by awarding them Teaching Hours Reduction (THR). A THR may be awarded based on a point scheme as described below.

A THR of three (3) hours per week is awarded on a semester basis to full time faculty once they accumulate 100 (one hundred) points. For every 3 hours THR awarded, 100

points will be automatically deducted from his/her accumulated total. Points accumulated over time but not utilized by a faculty member will simply remain at his/her disposal for a period up to 5 years. After this period the ad-hoc committee (see below) will review the unused balance and adjustments will be made according to the faculty member's level of research activity, teaching and other duties at EUC.

A faculty member may be awarded points for THR under more than one of the categories described below if he/she is eligible. The minimum teaching per semester can be reduced down to six (6) hours per week based on the accumulated points. Deans and Chairs may reduce their teaching load by maximum three (3) hours per week.

All allocations of THR points under the categories outlined below will be made after a review of an ad-hoc committee chaired by the Vice Rector for Research and External Affairs¹. The Committee will meet at an appropriate time in each semester in order to review the THR point allocation in time for the preparation of the schedule of classes for the next semester. The Committee reserves the right to restrict the number of THR's granted in a semester if there are budgetary constraints.

Based on the policy of the University with regard to THR, faculty members are expected to submit the relevant information in a designated platform prior to the following dates:

For the Fall Semester: 1st of May
For the Spring Semester: 31st of October

After the dates above, each staff's record of points will be updated in the designated platform.

Dates for informing the Office of the Vice Rector of Research and External Affairs by the Deans of the Schools about the points used for the subsequent semester:

For the Fall Semester: 15th of June
For the Spring Semester: 15th of December

Any remaining points from the old THR system will be transferred to the new one when the new system is launched.

Newly hired full-time faculty members can get THR points accumulated from their publications in the five (5) years prior to their appointment and may be eligible for THR's from the first semester of their employment at EUC upon relevant approval by the ad-hoc committee.

¹ The ad-hoc committee is chaired by the Vice Rector for Research and External Affairs and members are the HR Director and a senior faculty appointed by the Senate following recommendation by the Vice Rector for Research and External Affairs.

Categories of Academic/Research Activities:

A. THR for Participation in Funded Research Projects

Faculty members are eligible to apply for points for THR when participating in funded research projects. According to the level of involvement in a research project relevant points will be awarded (see Appendix D).

If a research grant is awarded while an academic semester is in progress, points will become effective prior to the beginning of the next semester.

B. THR for Writing a Book

Points for writing a book (monograph) will be awarded upon submission of a publishing contract by a reputable academic publisher after going through a blind peer-review process. The points received may be seen in Appendix D. If a book contract is awarded while an academic semester is in progress, the relevant points will become effective prior to the beginning of the next semester, during which the teaching load reduction will be applied.

C. THR for other academic/research activities, conferences, publications and citations

THR points are awarded for other academic activities, including conferences, publications and citations. The points received may be seen in Appendix D.

D. THR from Patents

THR points are awarded for patents and the points received may be seen in Appendix D.

8. Equipment Acquired through Internal and External Funding

8.1 Equipment acquired through University funds

All equipment that has been acquired through funds that come directly through the university's funds (internal research grants, university research funds) will belong solely to the University and will be used by the faculty and research personnel's affiliated department or lab, according to the affiliation used by said faculty and research personnel in the funded research proposal and/or project. The faculty and research member is entitled to use the equipment throughout the duration of the funded project and this remains within the research unit/laboratory once the project is completed, or within the faculty member's department, under his/her direct supervision if s/he does not belong to a unit / lab. Any required maintenance of the equipment should be undertaken by the University.

8.2 Equipment purchased through external funding

Equipment (software and hardware) is often provided in full or partly in the budget of externally funded projects to enable the faculty and research member to carry out research effectively. This kind of equipment (computers, projectors, software programmes, fax and printing machines, etc.) remains property of the University for the exclusive use for research related activities and remains in the faculty or research personnel's research unit/laboratory or when this is not applicable in his/her department, under his/her supervision. The faculty member is entitled to use the equipment throughout the duration of the externally funded project. When faculty or research personnel who have had externally funded research projects leave the University, the status of any equipment purchased remains a property of the unit/lab or department that the faculty or research personnel belonged.

Any required maintenance of the equipment should again be undertaken by the University.

The EUC Research Office is committed to working with faculty or research personnel to develop proposals for research and teaching equipment. Equipment grants usually require an institutional match, and faculty or research members are advised to consult with the EUC Research Office and the Director of MIS early in the process about this matter. The MIS should be able to help faculty or research personnel to identify the best hardware and software products and estimate costs for proposal budgets.

8.3 Provision of computing equipment by MIS

The MIS department supplies desktop office computers, computer teaching labs, copy and printing machines and other types of equipment needed for research (software and hardware). The Director of the MIS department is responsible for keeping the University's inventory records and adjust these in the case of equipment purchases or wearing out of equipment (being fully depreciated).

9. Policy on Research Staff

9.1 Introduction

Academic Research Staff are EUC contract employees hired to work on EUC research activities as defined below. As EUC employees, Academic Research Staff are subject to all policies and procedures related to EUC employment, and receive all benefits implied by the employment law.

9.2 Definitions of Roles

The following positions for research staff are being described in the following sections:

- Research Associate
- Research Fellow
- Senior Research Fellow
- Honorary Research Staff

9.2.1 Job Description for the Position of Research Associate

9.2.1.1 Overall Role

For researchers who are educated to first degree level (and Master's degree) and who possess sufficient breadth or depth of knowledge in the discipline of research methods and techniques to work within their own area. Role holders who gain their doctorate during the course of employment will normally be recommended for promotion to Research Fellow, if this is appropriate for the duties and responsibilities of the post.

As a team member of the Research Laboratory/Programme the Research Associate will contribute quality research outputs and conceptual support to projects. With the guidance of the supervisor/programme leader, and within the bounds of the Research Laboratory/Programme mandate, the Research Associate will:

9.2.1.2 Key Responsibilities

- Conceptualize and conduct short-term experiments and research activities in support of broad-based/longitudinal research projects, ensuring consistency with established methodological approaches and models, adherence to project timelines, and completeness of documentation;
- Conduct studies of related literature and research to support the design and implementation of projects and development of reports, ensuring conceptual relevance, comprehensiveness, and currency of information;
- Write and publish articles in peer-reviewed journals that highlight findings from research and experimental activities ensuring consistency with the highest standards of academic publication and showcasing the Centre's/Programme's scientific leadership;
- Communicate to Programme/Project team developments/progress and results of research activities ensuring that relevant information and issues in the implementation of projects/experiments are captured in as comprehensive and timely manner as possible;
- Develop collaborative links with core scientific personnel in related programme areas to gain exposure to, and build knowledge on experimental/research

activities and approaches, in order to subsequently improve conceptual development and implementation of existing programmes;

- Utilize appropriate and current techniques/protocols in experimental laboratory management to ensure integrity and security of experimental process, comprehensive documentation, and replicability of experimental procedures;
- Design and organize databases along project frameworks and experimental research design that support overall research management, including the monitoring and evaluation of project inputs, actions, and outcomes, as well as the subsequent integration of these databases to other databanks;
- Identify areas of improvement within the research structure using integrated management approaches in pursuit of capacity building/strengthening and the preservation of scientific rigor in research studies.
- To contribute to the design of a range of experiments/fieldwork/research methodologies in relation to the specific project that they are working on
- To set up and run experiments/fieldwork in consultation with the Principal Investigator, ensuring that the experiments/fieldwork are appropriately supervised and supported. To record, analyse and write up the results of these experiments/fieldwork.
- To prepare and present findings of research activity to colleagues for review purposes.
- To contribute to the drafting and submitting of papers to appropriate peer reviewed journals.
- To prepare progress reports on research for funding bodies when required.
- To contribute to the preparation and drafting of research bids and proposals.
- To contribute to the overall activities of the research team and department as required.
- To analyze and interpret the results of their own research

9.2.1.3 Skills and Qualifications

Education: Level Bachelor and/or Master's in the Programme Area

Experience and Skills:

Basic research skills and knowledge of research techniques

Ability to analyse and write up data

Ability to present and communicate research results effectively to a range of audiences

9.2.1.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC

- MS Office, SPSS, Email and Printing Rights

- Business Cards with the University Emblem and the Research Laboratory they belong to

- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;

- written confirmation of any changes in the terms of employment;

- job description or the generic description of the role and, where appropriate, a list of expected research goals;

- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them.

9.2.2 Job Description for the Position of Research Fellow

9.2.2.1 Overall Role

A Research Fellow is a researcher with some research experience and who has typically been awarded a doctoral degree. A Research Fellow will often have supervisory responsibilities for more junior researchers and will often lead a team of researchers to achieve a research project's aims. They will initiate, develop, design and be responsible for the delivery of a programme of high quality research and may have full authority over several phases of project work.

9.2.2.2 Key Responsibilities

- Design, Conceptualize and conduct short-term experiments and research activities in support of broad-based/longitudinal research projects, ensuring consistency with established methodological approaches and models, adherence to project timelines, and completeness of documentation;
- Supervise and Conduct studies of related literature and research to support the design and implementation of projects and development of reports, ensuring conceptual relevance, comprehensiveness, and currency of information;
- Write and publish articles in peer-reviewed journals that highlight findings from research and experimental activities ensuring consistency with the highest standards of academic publication and showcasing the Centre's/Programme's scientific leadership;
- Take the lead within the team and communicate to Programme/Project team developments/progress and results of research activities ensuring that relevant information and issues in the implementation of projects/experiments are captured in as comprehensive and timely manner as possible;
- Develop collaborative links with core scientific personnel in related programme areas to gain exposure to, and build knowledge on experimental/research activities and

approaches, in order to subsequently improve conceptual development and implementation of existing programmes;

- Utilize appropriate and current techniques/protocols in experimental laboratory management to ensure integrity and security of experimental process, comprehensive documentation, and replicability of experimental procedures;
- Design and organize databases along project frameworks and experimental research design that support overall research management, including the monitoring and evaluation of project inputs, actions, and outcomes, as well as the subsequent integration of these databases to other databanks;
- Identify areas of improvement within the research structure using integrated management approaches in pursuit of capacity building/strengthening and the preservation of scientific rigor in research studies.
- Develop research objectives, projects and proposals.
- Conduct individual or collaborative research projects.
- Identify sources of funding and contribute to the process of securing funds.
- Act as principal investigator on research projects.
- Manage and lead a team of researchers to achieve the aims of a research project.
- Oversee and appropriately supervise and support the research activities (experiments, fieldwork etc.) of a research programme/project.
- Ensure that research results are recorded, analysed and written up in a timely fashion.
- Manage research grants in accordance with EUC Financial Regulations and the conditions of the funding body (e.g. EU, RPF etc.)
- Prepare and present findings of research activity to colleagues for review purposes.
- Submit papers to relevant peer reviewed journals and attend and present findings at relevant conferences.
- Prepare progress reports on research for funding bodies when required
- Participate in and develop external networks, for example to identify sources of funding or to build relationships for future research activities

9.2.2.3 Skills and Qualifications

Education: Level PhD in the Programme Area

Experience: at least 1-3 years relevant experience.

The candidate must possess sufficient specialist knowledge in the specific discipline to develop research programmes and methodologies.

9.2.2.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC

- MS Office, SPSS, Email and Printing Rights

- Business Cards with the University Emblem and the Research Laboratory they belong to
- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;
- written confirmation of any changes in the terms of employment;
- job description or the generic description of the role and, where appropriate, a list of expected research goals;
- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them

9.2.3. Job Description for the Position of Senior Research Fellow

9.2.3.1 Overall Role

A Senior Research Fellow is an experienced researcher holding a leadership role in a research group/centre/institute. Post-holders are expected to undertake the role of Principal Investigator on major research projects, exhibit a strong reputation for independent research, and provide academic leadership. They are also expected to support the management activity of the relevant School/Research Centre, and contribute to the delivery of the School's/ Centre's/Laboratory's research strategy.

9.2.3.2 Key Responsibilities

- Supervise postgraduate research students
- Contribute to the development of research strategies for the relevant School/Centre/Laboratory.
- Define research objectives and questions
- Develop proposals for research projects which will make a significant impact by leading to an increase in knowledge and understanding
- Actively seek research funding and secure it as far as it is reasonably possible
- Generate new research approaches
- Review and synthesise the outcomes of research studies
- Interpret findings obtained from research projects and develop new insights
- Contribute generally to the development of thought and practice in the field
- Provide academic leadership to those working within research areas - for example, by co-ordinating the work of others to ensure that research projects are delivered effectively and to time
- Contribute to the development of teams and individuals through the appraisal system and providing advice on personal development

- Act as line manager (e.g. of research teams)
- Act as a personal mentor to peers and colleagues
- Provide advice on issues such as ensuring the appropriate balance of research projects, appointment of researchers and other performance related issues
- Identify opportunities for strategic development of new projects or other areas of research activity and contribute to the development of such ideas

9.2.3.3 Skills and Qualifications

Education: Level PhD in the Programme Area

Experience: at least 7-10 years relevant experience. Significant post-qualification research experience with a track record of high-quality publications.

Experience of successful supervision of students

Experience in a leadership role in a Research Group/Centre or Laboratory

9.2.3.4 EUC Pertaining Benefits

Researchers will have access to facilities which are necessary and appropriate for the performance of their duties.

- Desk, Telephone line and PC

- MS Office, SPSS, Email and Printing Rights

- Business Cards with the University Emblem and the Research Laboratory they belong to

- Full access to the library

All researchers must receive the same forms of employment documentation as other academic-related staff of the University:

- a formal contract signed by the relevant appointing authority;
- written confirmation of any changes in the terms of employment;
- job description or the generic description of the role and, where appropriate, a list of expected research goals;
- further to the completion of the contract, researchers are responsible for returning in good condition all the equipment as well as business cards that have been provided to them

9.3 Procedures for Appointment

9.3.1 Selection and Search Procedures

As a general rule, an appointment to the Academic Research Staff requires a search for a suitable candidate. Searches are initiated with a written vacancy announcement, such as in relevant professional journals or other publications.

The text for the announcement should be sent to the Office of the Vice Rector of Research and External Affairs and the Office of the Director of Human Resources, clearly describing the terms of employment, length of employment, identity and duration of funding sources contributing to his or her salary and line manager (the person the researcher will be reporting to). The text should be advertised for a reasonable amount of time. A copy of a current CV, a cover letter and at least one recommendation should be sought for. A short list of the potential candidates will be created based on merit and the top part of the list will be called for a structured interview with the line manager. At the end of the procedure, the line manager will report back to the Office of the Vice Rector of Research and External Affairs and the Office of the Director of Human Resources, the name(s) of the proposed Researcher.

9.3.2 Criteria for the Appointment to Rank of Research Associate

Minimum qualifications as described in Section 9.2.1.

9.3.3 Criteria and Procedures for the Promotion to the Rank of Research Fellow

A Research Associate may, during the course of his/her appointment obtain, his/her PhD. In such cases, the employee (provided that he/she fulfils the work experience as described in Section 9.2.2) is promoted to the rank of Research Fellow. If the funding source that sponsors the program the researcher is assigned to accounts for a pay rise this is immediately applied.

9.4 Honorary Research Staff

The work of Research Centres is enhanced by the involvement and collaboration in the Research Centres' activities of personnel who are not employees of the University. To recognise the association, EUC may confer an honorary title to such individuals during the period of their association. An honorary title may not be conferred on an employee of EUC.

The title to be conferred will depend on the level of distinction and qualification of the candidate. Applications should come from the Dean of the School with:

- a copy of the person's CV
- a citation that should include:
 - a description of contributions to teaching
 - research being undertaken with academic staff as evidenced by joint publications/research projects and research grants or contracts being held jointly or a significant involvement in industry/academic joint activities within the College
 - rationale for offering the association
 - the start date and end date of the association

Honorary titles are intended to recognise ongoing attachments and are awarded for a fixed term, normally up to three years in the first instance. No monetary honorarium is associated with the offer.

The honorary research titles that can be awarded are:

9.4.1 Honorary Principal Research Fellow

Will have made an outstanding contribution to teaching and research

9.4.2 Honorary Senior Research Fellow

Extensive research experience required, the quality of which is determined by refereed publications, invitations to speak at conferences, hold an established national reputation and a known or developing international reputation. Have the ability to attract significant external research funding. Will usually lead a team of other research staff, possibly drawn from several disciplines

9.4.3 Honorary Research Fellow

Proven ability of high quality research, evidenced by authorship of a range of publications. Capable of attracting external research funding. May be required to undertake project management and/or supervise teams and other research staff; expected to provide expert advice and guidance to others

9.4.4 Honorary Research Associate

Required to produce independent original research and to take initiatives in planning of research.

9.5 Intellectual Property Rights

All IP generated throughout the employment of an Academic Research Staff Member belongs to EUC. In such cases that the Researcher is employed in a project that assigns explicit IP rights (e.g. an EU funded project) then the rules as set out by the funding agency are followed.

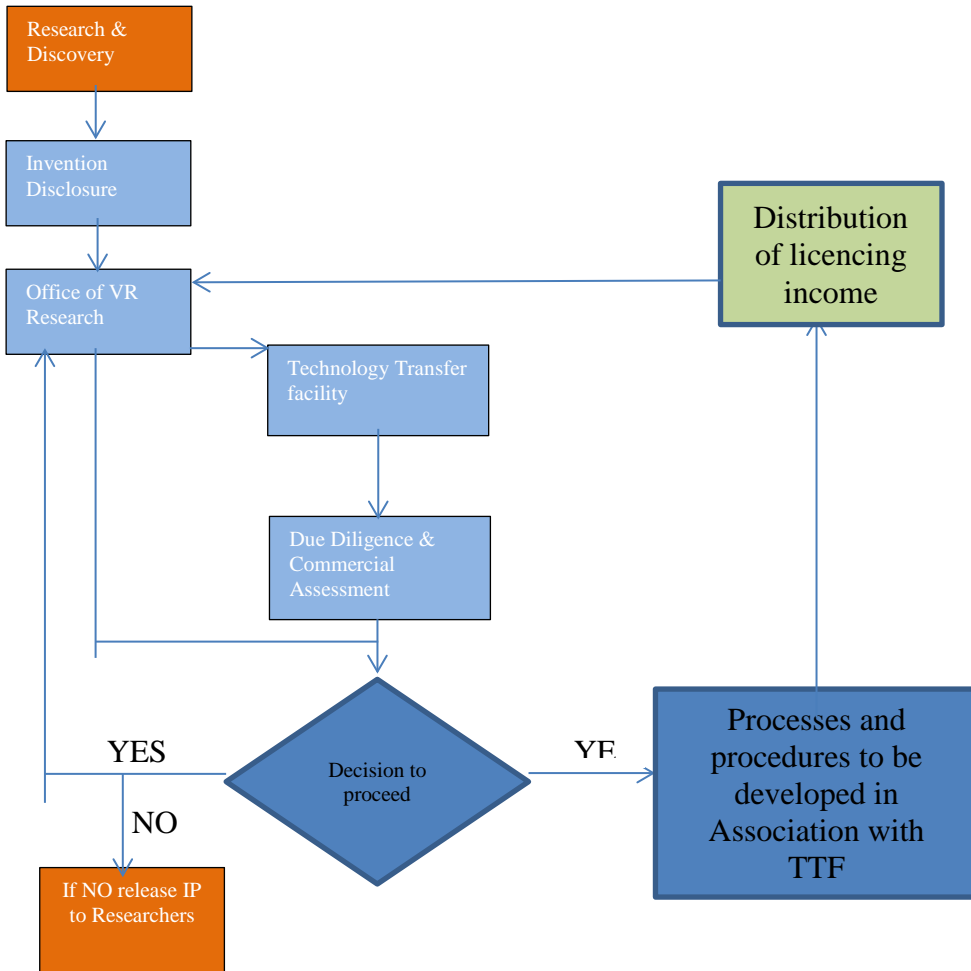
Honorary Research Staff may be required to assign the rights to any IP they create in the course of their academic activities to EUC. EUC may have obligations to organisations which are funding the research (e.g. an EU funded project) in question which it will not be able to honour without such an assignment of rights being in place. For the purposes of IP rights associates are treated as if they were EUC Employees.

9.6 Involvement of Research Staff

Wherever possible, Academic Research staff should be encouraged to take part in university decision making processes, for example by inclusion in relevant departmental committees. Where appropriate, researchers should be included at University level, for example as representatives in working groups and staff consultation exercises.

Appendix A:

A Technology Transfer Process Map – to be completed when the TTF has been established.



Appendix B:

Invention Disclosure Guidelines

Invention Disclosure Form - Example

An Invention Disclosure Form (IDF) is designed to determine the basic facts relating to an invention, design, or copyright material. It is a way of capturing an invention and establishing who the inventors are, what the invention is, who is funding it, what the anticipated product/ market is and initiate Intellectual Property (IP) due diligence. Information on the following aspects of an invention should be included in an Invention Disclosure Form.

1. Descriptive Title of the Invention.
2. Who was involved? Please specify for each individual who contributed, invented or authored (if software):
 - a. Their names and if any are foreign nationals;
 - b. Who their employer is; are any contracts or arrangements in place?
 - c. What they contributed to the development of the technology (e.g. came up with the original idea; designed experiments; carried out experimental work; wrote code)
3. Detail of your invention:
 - a. What do you think your invention is?
 - b. What will your invention be used for?
 - c. What are the advantages of your invention and how does it improve on the present situation?
 - d. What is new about your invention?
 - e. How and why does it work? What is the science behind the invention
 - f. Are there any other uses of the invention?
4. Interest from external organisations and their details.
5. Information on published literature (including patents) relevant to your invention?
6. When and where the invention was first conceived?
7. What are your future plans for developing the technology?
8. Who have you told about the invention, when and where?
9. When did you first describe the invention in writing or electronically?
10. Publications, abstracts, conferences to date.
11. Publication and conference plans.
12. Funding information (comprehensive), e.g. including third party support, Material Sales or Transfers, patient consents.

For inventions that include software, please provide the following additional information.
13. Application name and version number.

14. For source code developed by the researchers identified in question 2 above, include: source files used, programming languages, development tools, copyright protection in source code.
15. For new versions, include: source files changed, added or removed since the previous version, documentation required for others to use, if the source files have been distributed outside the university, and in what form, and are the source files available as a web-download – inc. URL and terms under which the download is available.
16. For other source files or libraries that are required to build the software application (external software), list the following: all external software required to use the application; who owns that software, how was the software obtained, license terms or FOSS – name of the license.

Appendix C:

Suggested Revenue Sharing Scheme

The EUC will share royalty income with employees and/or students involved in producing Disclosable Work whose exploitation generates revenue. Payments are overseen by the EUC-RIMB, but the EUC will normally share royalty income in accordance with the table below. This may be either as a lump sum or as royalty income over a period of time.

Table C1

Net Revenue	Allocated to the Creator/s	Allocated to the EUC Research Fund	Allocated to the Creator'/s School Budget	Allocated to Support the TTF
100%	50%	20%	20%	10%

Appendix D

Points Accumulation

The table below detail the evaluation categories which will be used for the calculation of THR points allocated to EUC academic staff members. The tables have been constructed taking into account the following:

1. The points awarded are based on the evaluation of research accomplishments and on the estimation/calculation of hours spent during the implementation of a research activity.
2. A research accomplishment is any research-related activity which strengthens the research portfolio and enhances the research esteem of a researcher in particular, and the EUC in general.
3. Specific research accomplishments cannot be evaluated in a similar manner across the range of research disciplines. Therefore, the following table is implicitly “averaging” the weight of these accomplishments, so that the policy can be operational and fair.

Tables

A. Participation in Funded Research Projects

<p>Consortium Coordinator. According to the duration of a running project as indicated in the initial grant agreement.</p>	<p>100 points/ per six months</p>
<p>EUC Local Coordinator. According to the duration of a running project as indicated in the initial grant agreement.</p>	<p>50 points/ per six months</p>
<p><i>For the first two categories there is a cap of 200 points per request.</i></p>	
<p>Researcher in a funded project. According to the duration of a running project as indicated in the initial grant agreement. Formula [% of total EUC person months in the project allocated to the researcher] x 100 <i>Cap of 100 points per request</i> <i>Example 1</i> X faculty is allocated 25% of the total EUC person months in a 24-month project Calculation: 25% x 100 = 25 points (Four requests may be made for this project for a total of 100 points in two years) <i>Example 2</i> X faculty is allocated 17% of the total EUC person months in an 18-month project Calculation: 17% x 100 = 17 points (Three requests may be made for this project for a total of 51 points in one and a half years)</p>	<p>Points allocated according to the level of involvement</p>

B. Writing a Book (monograph)

<p>200 points</p>	<p>For the duration of the contract as specified in the initial agreement with the publisher</p>
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C. Participation in other academic/research activities, conferences, publications and citations

	Type of academic/ research activity
5	Presentation of a refereed poster/article in a peer-reviewed conference
5	Book chapter (part of a team of authors) (not indexed in ISI, Scopus, ACM, IEEE, etc.)
5	Publication of refereed journal article (journal not indexed in ISI, Scopus, ACM, IEEE, etc.)
5	Editor of refereed journal special issue (journal not indexed in ISI, Scopus, ACM, IEEE, etc.). (once a year award)
10	Editor of refereed journal special issue (journal indexed in ISI, Scopus, ACM, IEEE, etc.). (once a year award)
10	Book chapter (lead author) (not indexed in ISI, Scopus, ACM, IEEE, etc.)
10	Part of the Editorial team of a refereed book in a reputable publisher
25	Lead editor of refereed book in a reputable publisher
	Publications
25	Publication of refereed journal document ² (journal in ISI, Scopus, ACM, IEEE, etc.)
	Unsuccessful submissions for funded projects
5	Unsuccessful submission of funded research proposal (Local EUC partner coordinator) (Lead EUC faculty only).
10	Unsuccessful submission of funded research proposal (Consortium/project coordinator) (Lead EUC faculty only).
	Citations to Scopus-indexed publications with EUC affiliation (from 1.1.2016)
1.00 per citation	Social Sciences and Humanities
0.50 per citation	All other Sciences

² Journal articles, article reviews, conference proceedings and book chapters

D. Patent

200 points	Per approved patent
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Note for Scopus publications

Where a Scopus publication concerns two or more authors, the following points' calculation rules will apply:

- For cases up to (and including) two (2) authors, full points are awarded to the author(s) in consideration.
- For each additional co-author (three (3) authors or more), a deduction of 2 points will be implemented on the full points' allocation for the category considered.
- The minimum points that an author will be awarded cannot be smaller than **75%** of the full points' allocation for the category considered.

Appendix E

JOB DESCRIPTION FOR THE HEAD OF EUC RESEARCH OFFICE

Head of EUC Research Office

The Head of EUC Research Office is the chief administrative officer of the Office and is accountable/ reports to the Vice Rector of Research and External Affairs. He/she is ex officio member of the Senate Research Committee and a member of the EUC – Research & Innovation Management Board. He/she provides leadership in the services provided by the Office to the research community of the University and is responsible for the overall management of the Office's resources and staff. He/she acts as agent of the Office in executing the EUC Research Administration procedures, and serves as the medium of communication for all official business of the Research Office with other University authorities and bodies and the public. The Head of Research Office has ultimate responsibility for the general operation and development of the Office.

Duties and Responsibilities of the Head of Research Office

1. JOB SUMMARY

The Head of Research Office reports to the Vice Rector of Research and External Affairs. He/she has the overall responsibility for the smooth and effective functioning of the Research Office, and is responsible for the coordination and the development of the Office's operations.

2. DUTIES AND RESPONSIBILITIES

The key areas of duties and responsibilities of the Head of Research Office are as follows:

a. Contribution to Academic Excellence

- Promotes, encourages and supports academic excellence through the University's participation in funded research projects and other research activities.
- Contributes to the achievement of goals pertaining to research within the university as set by the Vice Rector of Research and External Affairs
- Provides ongoing support to the Vice Rector of Research and External Affairs for the implementation of the University's Research Policy and improvement of research outputs and performance.
- Implements, in cooperation with the Vice Rector of Research and External Affairs, the procedures of the University (Research Administration Procedures) concerning the submission of proposals and the administration of projects funded by national, European and international funding agencies and other bodies. Ensures that new academic staff are made aware of these procedures and facilitates for their smooth adaptation to the environment.

- Overviews the operations of the Research Office as follows:
 - I. Monitoring of national, European, and international funding opportunities and dissemination to faculty and researchers
 - II. Administrative support provided during the submission of research proposals and during the management of a wide range of research projects
 - III. Organization of presentations and training sessions for the EUC faculty, other teaching personnel, and researchers affiliated with the University
 - IV. Organization of outreach events aiming at the wide dissemination of research outputs produced by the University (e.g. Research Days)
 - V. Contribution to University Quality Assurance processes
- Accepts/undertakes additional responsibilities/functions/duties as may be assigned by the Vice Rector of Research and External Affairs and the University in general.

b. Internal processes, procedures and controls

- Assumes responsibility for the department's overall performance and ensures that tasks are executed effectively and on time according to the relevant policies
- Reviews and recommends changes for the adaptation or improvement of existing institutional policies and procedures related to research.
- Prepares relevant reports and/or documents for quality control purposes and alignment with the directives of funding organizations
- Safeguards personal and other confidential information and acts as the GDPR Data Protection Officer of the Research Office

c. Relations with other Academic Entities

- Serves as an ex officio member of the Senate Research Committee and the EUC – Research & Innovation Management Board.
- Represents the Office in its working relationship with other Schools, departments, academic units within the University.
- Participates in all decisions about the operation of the Research Office
- Serves on various committees as set forth in Internal Regulations
- Encourages inter-disciplinary links within the University, as well as collaborative links in research activities with other Universities and research organizations
- Represents the University in professional matters external to the University setting, i.e. relevant to the University's relations with research stakeholders, funding agencies, and partner institutions.

d. Staff Governance

- Oversees and makes decisions on the allocation of the Research Office's personnel's tasks

- Assesses and ensures the effectiveness of all personnel in a continuous quality improvement
- Serves as liaison with the Director of Human Resources and oversees the development of staff in the Research Office
- Articulates the University policies and procedures to the Office's personnel and ensures that all involved parties have the same level of understanding of the Office's policies and procedures, and offers relevant support as needed
- Maintains good working relationships with the Office's personnel
- Holds regular meetings with the Office's personnel to review, inform and consult on administrative and strategic development issues pertinent to the Office
- Identifies resource needs (staff, infrastructure, other) for the Research Office in cooperation with the Vice Rector of Research and External Affairs.