

POSTGRADUATE EDUCATION^{2019/20}



THE CYPRUS INSTITUTE OF
NEUROLOGY & GENETICS



CYPRUS SCHOOL
of molecular medicine

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MESSAGE FROM THE PROVOST

Professor Leonidas A. Phylactou
Provost of the Cyprus School
of Molecular Medicine



Dear Prospective Student,

I would like to introduce you to the Cyprus School of Molecular Medicine which is the postgraduate school of The Cyprus Institute of Neurology & Genetics.

The Cyprus Institute of Neurology & Genetics (CING), as a Center of Excellence and a Referral Center in basic and applied research in biomedical and clinical sciences, combines services, research and education so as to produce novel knowledge in biology and diseases and upgrade the quality of life of people.

The Cyprus School of Molecular Medicine (CSMM) functions as a catalyst for the implementation of the Institute's objectives by contributing to the research output and clinical applications. Our postgraduate programs give our students a unique education in the areas of neurology, genetics and biomedical sciences with direct application in the area of Health. Like CING, CSMM is a School based on international standards of excellence.

The CSMM provides high standard education in biomedical sciences, by offering its students a unique environment for Masters and Doctoral studies. Our academic programs are demanding. Through our academic programs, our students learn how to weave together theory and practice, since the programs combine taught courses and research in our highly specialized laboratories to experience in real work from first-hand. Inevitably, our students contribute and play a vital role in our research programs. Our students represent our next generation of scientists!

We, at the CSMM, are committed to ensuring quality and rigorous academic programs that will challenge our students. I invite you to explore our academic programs described in the Prospectus. You may also visit our website for more information. You can always get in touch with our Faculty and the Education Office for assistance.

MESSAGE FROM THE DEAN

Professor Kyriacos Kyriacou
Dean of the Cyprus School of Molecular Medicine



Dear Prospective Students,

It is with great pride that I welcome you to the Cyprus School of Molecular Medicine, the brain child of the Cyprus Institute of Neurology and Genetics. The CSMM was established in 2012 and offers postgraduate education to a selected number of MSc and PhD students. CSMM graduates quality and competitive scientists many of whom are employed, or continue their studies in both local and International reputable organisations.

A unique characteristic of all CING departments is that their activities are based on the following three pillars: the delivery of specialized diagnostic services, the execution of competitive research and the organization of educational programs. The CSMM provides the educational platform through which the substantial experience gained by the CING personnel in both the diagnostic and research fields, is transmitted to the students. The CSMM programs offer a unique teaching and learning environment that triggers the passion of the students and stimulates their interest. Thus the CSMM provides the springboard, for training the next generation of scientists in an environment that fosters excellence and ensures a high calibre of education. The experience gained while at the CSMM, prepares our graduates for employment in a competitive and challenging environment.

Please take time to go through our prospectus and you will soon appreciate that our innovative MSc and PhD programs, cover a wide spectrum of interesting disciplines, which are organized around taught courses and research in our highly advanced laboratories. The CSMM programs are specialized, but within each program there is multi-disciplinarity and complementarity, in an effort to expose you to the latest advances in the field, but at the same time inform you about the challenges that lie ahead. Our academic staff is experienced and passionate about their work, so we promise you a high calibre education that will reflect on your life and shape your future career. A unique feature of our programs is that students are exposed to the everyday uses of new knowledge and thus obtain first-hand experience on real life diagnostic and research applications. The CSMM programs namely Medical Genetics, Molecular Medicine, Neuroscience which are offered at both MSc and PhD levels and Biomedical Research which is offered at MSc level only, and we are proud that many of our graduates represent popular programs, much sought by students worldwide. CSMM students are exposed to quality education and execute their project alongside experienced scientists and doctors working at the Cyprus Institute of Neurology and Genetics. Students benefit from the vast experience gained by the CING staff/CSMM Faculty, who have been working for nearly 30 years in these challenging fields. A number of scholarships are also available to both MSc and PhD students and these are allocated based on academic merit. In addition CSMM students benefit from the ERASMUS+ mobility actions and we are proud that many of our graduates are employed.

For further information about our programs do not hesitate to contact our very able staff in the academic office.

I invite you to join the CSMM community and experience first-hand the professional, stimulating and challenging environment in which we operate. It is an environment based on academic excellence which ensures that all our efforts are invested in offering quality education, specialised services and competitive research, which in turn improve the quality of life of Cypriot citizens.

My sincere wishes for a fruitful continuation of your studies and career!

About the CING

Investing over a quarter of a century of research excellence,
in training the new generation of scientists



The Cyprus Institute of Neurology and Genetics (CING), which is the parent organisation of the Cyprus School of Molecular Medicine, was established in 1990, as a bi-communal, non-profit, private, academic, medical organisation. The Vision of the CING is to function as an International Centre of Excellence and a Regional Referral Centre in the areas of Neurology, Genetics, Biomedical, Medical and other similar and related Sciences.

The Mission of the CING is to develop and provide high level medical and clinical laboratory services, organise and pursue advanced research programs and provide education in the areas of Neurology, Genetics, Biomedical, Medical and other similar and related Sciences.

Cyprus is known to have an increased frequency of inherited disorders, which place a heavy burden on the patients' families and the Government. The CING provides specialised services and research which aim towards early detection and prevention of disease, the provision of high quality medical services and improvement in the quality of life of the community. The Institute is dedicated to lessening the suffering of patients and their families and preventing diseases through patient care, research, education and prevention programs. As a result, it has over the past quarter of a century, established departments within its premises which are each dedicated to specific research areas dealing with neurological and genetic conditions such as muscular dystrophy, multiple sclerosis, epilepsy, chromosomal abnormalities and all other aspects of molecular biology and genetics such as thalassaemia, molecular virology, mental retardation,

cardiovascular disease, stroke, cystic fibrosis and neurogenetics. Moreover, CING plays a key role in the fight against crime by providing specialised DNA services to the police authorities and expert court testimony for criminal and civil investigations. The Institute provides services, upon request, to all Doctors, Clinics, Hospitals, Lawyers and the Police Authorities.

A unique feature of the Institute is the combination of services, research and education. In biomedical sciences and medicine the ultimate aim of research is to solve medical problems and improve the health and quality of life of the community. Services, in turn provide opportunities for research.

EXCELLENCE

SOCIAL SERVICE

PROFESSIONALISM

INNOVATION

TEAMWORK

CING VALUES



The bigger the volume of services, the greater the opportunity for scientists to come into contact with clinical problems; also the bigger the volume of material available for research, the higher the possibilities of attracting major research grants. With major grants, better solutions to clinical problems can be found, resulting in the provision of higher quality services, as well as the creation of an innovative educational environment for students. Thus, services, research and education enter into a positive feedback loop.

The Institute's personnel and the School's Faculty is comprised of leading scientists and clinicians, who are devoted to the well-being of the local, regional and international communities. Both the CING and the CSMM have established partnerships with outstanding international institutions and welcome students, faculty and staff of all nations. The CING is considered to be the most advanced tertiary medical academic center in Cyprus in the health sector and provides education and training to doctors, scientists, students and paramedical personnel.

CING Quality Assurance & Accreditation

The Cyprus Institute of Neurology and Genetics (CING) is committed to offering professional services of the highest quality, in full compliance with its quality management system. The services provided are characterized by high quality standards in all aspects and at all levels (i.e. highly trained personnel, special treatment/patient care, clinical equipment, environment, etc.).

The procedures and policies followed by CING personnel, comply with the requirements for quality control and competences, where applicable, as these are specified in the International Standards CYS EN ISO15189 and CYS EN ISO 17025 and in the CAP.

CING Departments participate in External Quality Schemes and Proficiency Testing, such as:

- European Research Network for evaluation and improvement of screening, Diagnosis and treatment of Inherited disorders of Metabolism (ERNDIM)
- Willink Biochemical Genetics Unit, UK
- Reference Institute for Bioanalytics (RfB)
- College of American Pathologists (CAP)
- European Molecular Genetics Quality Network (EMQN)
- United Kingdom National External Quality Assessment Service (UKNEQAS)
- Cytogenetic European Quality Assessment (CEQA)
- Association for the promotion of quality assurance INSTAND
- Quality control for Molecular Diagnostics (QCMD)
- German DNA Profiling (GEDNAP) Proficiency tests

The Clinical Sector (including but not limited to: outpatient, inpatient, physiotherapy, pharmacy, Social Services, EMG Lab, NPHL lab, NPL lab, etc.) has been surveyed on the CHKS International Accreditation Programme for Healthcare organizations. The CHKS Accreditation Certification award is expected in 2019.

The Chief Executive Medical Director, the Technical Managers, the Quality Managers and the Internal Audit and Quality Assurance Committee ensure that this is achieved during the process of work performed on a daily basis within the Departments/ Clinics/Laboratories/Sections and the CING premises as a whole.

About the CSMM

Cyprus School of Molecular Medicine

The Cyprus Institute of Neurology and Genetics (CING) established its postgraduate school, the Cyprus School of Molecular Medicine (CSMM) in 2011 and accepted its first students in September 2012. The CSMM attracts students with research interests applicable to the Institute's activities. The postgraduate school is organised as a distinct entity within the CING. CSMM programs are headed by the Provost of the School who is also the Chief Executive Medical Director and the Chairman of the Scientific Council of the Cyprus Institute of Neurology and Genetics.

The CSMM provides an unrivalled educational experience to the highest achieving students, who can expect to be taught and mentored by the leading Biomedical Scientists and Neurologists in Cyprus, while also working alongside them in their respective laboratories.

What you gain as a CSMM student

Upon completing their selected program of study, graduates of the CSMM can expect to have acquired in-depth knowledge of topics covered by the specialist Departments and Clinics of the CING, while also advancing their analytical skills, comprehension of problems and ability to propose innovative solutions, thus contributing to the international scientific community. The vibrant environment of the CING, within which the CSMM is housed, provides the ideal setting for students to experience and benefit from the 3-pillars working seamlessly together to form a positive feedback loop: SERVICES (day clinics and in-patient ward), RESEARCH (6 Clinical Sciences departments and 9 Biomedical Sciences departments) and EDUCATION (4 MSc programs, 3 PhD programs and Executive/Professional Education Courses). CSMM students have the unique opportunity to experience a real working environment and to interact with professionals in the field.

It is the goal of both the Institute and the School for our students to acquire, not only academic proficiency and critical thinking while at the CSMM, but also valuable transferable skills. Therefore as a student of the CSMM you can expect to acquire skills which will help you to stand out and give you the best possible chance of succeeding in your future plans as a scientist, researcher, academic, or otherwise. In an increasingly competitive field, it is vital to ensure that in addition to your academic competencies, you are also gaining these essential skills. For this reason each of our programs and their respective courses have been built to include practical and crucial skills, such as the ability to work diligently and productively on challenging projects, the ability to set goals and successfully manage a study/laboratory schedule, teamwork skills, good communication skills and effective communication of ideas both verbally and in writing. As an employer, the CING also contributes to the professional development and career advancement of CSMM students.

Objectives of the School

To establish an educational center of excellence for postgraduate programs of international standing and reputation

To attract and educate students who can engage in competitive work and to enable them to be immediately inducted into the local and international workforce, scientific and academic community, so that they can make valuable contributions to the global socioeconomic landscape

To produce high quality research output from students' projects (PhD programs) which will contribute towards the improvement of the quality of human life

To challenge students with a wide variety of concepts and approaches and enforce international standards of excellence in the fields of Medicine and Biomedical Sciences

To offer exceptional curricula for its students which will provide the theoretical and applied knowledge necessary to achieve international caliber doctoral research

To cooperate with high level international research and educational centers and to promote cooperation and understanding through education, research and innovation

To attract excellent local and international students through the international visibility of the School's faculty, staff and students

To develop effective communication skills for all its students and to help the students exercise these skills in a competitive environment

To promote the School as a center of excellence for students and scholars internationally.

Programs of Study

The Cyprus School of Molecular Medicine of the Cyprus Institute of Neurology and Genetics has been established and operates according to the laws of the Ministry of Education and Culture of the Republic of Cyprus.

The accreditation of all seven postgraduate programs of the CSMM, listed below, has successfully been passed via the official accreditation bodies of the Republic of Cyprus, with effect as of the date of establishment of the School:

MSc Molecular Medicine

MSc Medical Genetics

MSc Neuroscience

MSc Biomedical Research

PhD Molecular Medicine

PhD Medical Genetics

PhD Neuroscience

The programs of the School begin in September of each year.

Infrastructure

The Cyprus Institute of Neurology and Genetics has state-of-the-art equipment in all its Departments and Clinics which is used for specialised diagnostic services and research activities. Some of the equipment has been purchased as a result of awards from competitive research funding and is unique in Cyprus. Students carry out their research projects in the facilities of the various Departments and Clinics.

The list of equipment available is extremely long and for practical purposes, a summary is presented below.

PCR machines, real-time PCR machines, heating and cooling incubators, regular and deep freezers, light microscopes, fluorescence microscopes, time-lapse microscope, confocal microscope, electron microscope, flow cytometer, cell incubators, cell culture biological cabinets, chemical cabinets, DNA microarray facility, automated DNA sequencing facility, mouse facility, laser capture microdissector, automated DNA extractor, benchtop centrifuges, ultracentrifuge, automated nucleic acids imaging facility.

The above list has been enriched with high throughput analytical equipment including Next Generation Sequencing (NGS) equipment for DNA analysis as well as M Mass Spectrometer platforms MS/MS for analysis and identification of proteins.

The Institute has established the 1st Chair of Bioinformatics in Cyprus through a European H2020 ERA Chair grant (BIORISE, 2015-2020). The establishment of the Bioinformatics ERA Chair has attracted talented scientists in the modern fields of informatics in medicine and biology.

Program Titles Awarded

MSc Programs

**Master in Science
(MSc) Molecular Medicine**

**Master in Science
(MSc) Medical Genetics**

**Master in Science
(MSc) Neuroscience**

**Master in Science
(MSc) Biomedical Research**

PhD Programs

**Doctor of Philosophy
(PhD) Molecular Medicine**

**Doctor of Philosophy
(PhD) Medical Genetics**

**Doctor of Philosophy
(PhD) Neuroscience**

Executive Education Courses

Information regarding the Executive Education Courses offered by the CING is available on request.



MSc Programs

General Information

The MSc programs are structured on a combination of taught courses (including lectures and tutorial sessions for each course on a weekly basis) and a research or a library project. MSc Students are inducted into the research departments of the Cyprus Institute of Neurology and Genetics while simultaneously attending core and elective courses. Successful students must pass all course examinations and the MSc Thesis Examination in order to be awarded an MSc degree.

MSc Molecular Medicine *MSc Medical Genetics* *MSc Neuroscience*

A minimum number of 50 ECTS from the taught courses of the program and a minimum number of 40 ECTS from the research or library project must be completed while enrolled on one of the CSMM's MSc programs (TOTAL 90 ECTS). Students will take compulsory and elective courses.

Molecular Medicine / Medical Genetics programs: 4 mandatory courses and 1 elective course.

Neuroscience program: 3 mandatory courses and 2 elective courses.

- Full-Time mode: 13 months

(taught courses & research/library project).

- Part-Time mode: 24 months

(with minimum of one course per semester, among those offered in the referred semester).

MSc Biomedical Research

A minimum number of 50 ECTS from the taught courses of the program and a minimum number of 70 ECTS from the research project must be completed while enrolled on the CSMM's MSc program in Biomedical Research (TOTAL 120 ECTS). Students will take only elective courses).

- Full-Time mode: 24 months

(taught courses & research project).

- Part-Time mode: 36 months

(with minimum of one course per semester, among those offered in the referred semester).

Language of instruction for all programs: English

MSc Programs

General Schedule

MSc Molecular Medicine *MSc Medical Genetics* *MSc Neuroscience*

AUTUMN SEMESTER (30 ECTS)

2 Mandatory Courses and 1 Elective Course

SPRING SEMESTER (30 ECTS)

MSc Molecular Medicine

MSc Medical Genetics

2 Mandatory Courses and 1 Research/Library Module

MSc Neuroscience

1 Mandatory Course, 1 Elective Course and 1 Research/Library Module

SUMMER PERIOD (15 ECTS)

MSc Research or Library Project and report preparation

FINAL SEMESTER (15 ECTS)

MSc Research or Library Project, report preparation and thesis examination

MSc Biomedical Research

Year 1

AUTUMN SEMESTER (30 ECTS)

3 Elective Courses

SPRING SEMESTER (30 ECTS)

2 Elective Courses and 1 Research Module

Year 2

AUTUMN SEMESTER (30 ECTS)

MSc research project and report preparation

SPRING SEMESTER (30 ECTS)

MSc research project, report preparation, report submission and examination

MSc Program Schedules

MSc Molecular Medicine

Autumn Semester – Full Time

Required: 30 ECTS - 2 Mandatory Courses and 1 Elective Course

MANDATORY COURSES

MM101

Molecular Basis of Monogenic Diseases

MM102

Molecular Basis of Complex Diseases

ELECTIVE COURSES

MG102

Cytogenetics
and Genomics

MG103

Methodologies
& Technologies
Applied in
Medical Genetics

NEURO101

Cellular and
Molecular
Neuroscience

NEURO102

Brain and
Behaviour

MVI

Molecular
Virology and
Immunology

BMI101

Bioinformatics

Spring Semester – Full Time

Required: 30 ECTS - 2 Mandatory Courses and 1 Research or Library Module

MANDATORY COURSES

MM103/NEURO103

Neurosciences and Neurogenetics

MM104

Gene and Cell Therapy

RESEARCH/LIBRARY MODULES

MRP101

MSc Research Project Part I

MLP101

MSc Library Project Part I

Summer Period – Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES

MRP102A

MSc Research Project Part II

MLP102A

MSc Library Project Part II

Final Semester - Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES

MRP102B

MSc Research Project Part III

MLP102B

MSc Library Project Part III

MSc Medical Genetics

Autumn Semester – Full Time

Required: 30 ECTS - 2 Mandatory Courses and 1 Elective Course

MANDATORY COURSES

MG102

Cytogenetics and Genomics

MG103

Methodologies & Technologies
Applied in Medical Genetics

ELECTIVE COURSES

MM101

Molecular Basis
of Monogenic
Diseases

MM102

Molecular Basis
of Complex
Diseases

NEURO101

Cellular and
Molecular
Neuroscience

NEURO102

Brain and
Behaviour

MVI

Molecular
Virology and
Immunology

BMI101

Bioinformatics

Spring Semester – Full Time

Required: 30 ECTS - 2 Mandatory Courses and 1 Research or Library Module

MANDATORY COURSES

MG101

Molecular Genetics

MG104

Biochemical Basis of Genetic Diseases

RESEARCH/LIBRARY MODULES

MRP101

MSc Research Project Part I

MLP101

MSc Library Project Part I

Summer Period – Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES

MRP102A

MSc Research Project Part II

MLP102A

MSc Library Project Part II

Final Semester - Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES

MRP102B

MSc Research Project Part III

MLP102B

MSc Library Project Part III

MSc Neuroscience

Autumn Semester – Full Time

Required: 30 ECTS - 2 Mandatory Courses and 1 Elective Course

MANDATORY COURSES**NEURO101**

Cellular and Molecular Neuroscience

NEURO102

Brain and Behaviour

ELECTIVE COURSES**MM101**

Molecular Basis of Monogenic Diseases

MM102

Molecular Basis of Complex Diseases

MG102

Cytogenetics and Genomics

MG103

Methodologies & Technologies Applied in Medical Genetics

MVI

Molecular Virology and Immunology

BMI101

Bioinformatics

Spring Semester – Full Time

Required: 30 ECTS - 1 Mandatory Course, 1 Elective Course and 1 Research or Library Module

MANDATORY COURSES**MM103/NEURO103**

Neurosciences and Neurogenetics

ELECTIVE COURSES**MM104**

Gene and Cell Therapy

MG101

Molecular Genetics

MG104

Biochemical Basis of Genetic Diseases

RESEARCH/LIBRARY MODULES**MRP101**

MSc Research Project Part I

MLP101

MSc Library Project Part I

Summer Period – Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES**MRP102A**

MSc Research Project Part II

MLP102A

MSc Library Project Part II

Final Semester - Full Time

Required: 15 ECTS – 1 Research or Library Module

RESEARCH/LIBRARY MODULES**MRP102B**

MSc Research Project Part III

MLP102B

MSc Library Project Part III

NOTE: No more than one elective course from the MM codes for MSc & PhD Neuroscience

MSc Biomedical Research

Year 1 - Autumn Semester – Full Time

Required: 30 ECTS - 3 Elective Courses

ELECTIVE COURSES**MM101**

Molecular Basis of Monogenic Diseases

MM102

Molecular Basis of Complex Disease

MG102

Cytogenetics and Genomics

MG103

Methodologies & Technologies Applied in Medical Genetics

NEURO101

Cellular and Molecular Neuroscience

NEURO102

Brain and Behaviour

MVI

Molecular Virology and Immunology

BMI101

Bioinformatics

Spring Semester – Full Time

Required: 30 ECTS - 2 Elective Courses and 1 Research Module

RESEARCH MODULES**MBR101A**

MSc Research Project Part I

ELECTIVE COURSES**MM103/NEURO103**

Neurosciences and Neurogenetics

MM104

Gene and Cell Therapy

MG101

Molecular Genetics

MG104

Biochemical Basis of Genetic Diseases

Year 2 - Autumn Semester – Full Time

Required: 30 ECTS - 3 Research Modules

RESEARCH MODULES**MBR101 B/C/D**

MSc Research Project Part I

Spring Semester – Full Time

Required: 30 ECTS - 3 Research Modules

RESEARCH MODULES**MBR102 A/B/C**

MSc Research Project Part II

Applies to all MSc programs

The above courses for all MSc programs (apart from the research or library project of the spring semester and the months June - September) are composed of:

- Two lectures per week (duration 90 minutes each) and one tutorial per week (duration 60 minutes each)
- The total number of lectures per academic semester is 26 for each course and 13 tutorials for each course
- Each course/research module/library module is worth 10 ECTS with the exception of MRP102 and MLP102 which are worth 15 ECTS each
- Sessions/courses may run parallel.

PhD Programs

PhD Molecular Medicine | PhD Medical Genetics | PhD Neuroscience

General Information

Year 1 of the CSMM PhD programs is structured on a combination of taught courses (including lectures and tutorial sessions for each course on a weekly basis) so that PhD students obtain the necessary theoretical knowledge prior to proceeding with their research projects during years 2-4, based in the laboratories of the Cyprus Institute of Neurology and Genetics.

Successful students must pass all course examinations, the PhD Thesis Examination and have at least one first author publication in a peer-reviewed journal to be awarded a PhD degree.

A minimum of 50 ECTS from the taught courses of the programs and 190 ECTS from the research part of the programs must be completed while enrolled on one of the CSMM's PhD programs. During year 1 of the program, students will take compulsory and elective courses.

The above criteria apply to the current programs of study but may be subject to change for future programs.

Language of instruction: English

General Schedule

Year 1

AUTUMN SEMESTER (30 ECTS)

PhD Molecular Medicine
PhD Medical Genetics
PhD Neuroscience

2 Mandatory Courses and either 1 Elective Course or 1 Research Module

SPRING SEMESTER (30 ECTS)

PhD Molecular Medicine
PhD Medical Genetics

2 Mandatory Courses and either 1 Elective Course or 1 Research Module

PhD Neuroscience

1 Mandatory Course and 2 Elective Courses or 1 Mandatory Course, 1 Elective Course and 1 Research Module

Research: Years 2– 4

Year 2 Total: 60 ECTS = PhD Research Part II 50 ECTS
PhD Thesis Progress Report and Examination 10 ECTS

Year 3 Total: 60 ECTS = PhD Research Part III

Year 4 Total: 60 ECTS = PhD Research Part IV 30 ECTS
PhD Thesis and Examination 30 ECTS

In the event that students require additional time to complete their work, they will be able to register for additional research/writing modules during year 5 and year 6.

- *It is compulsory to register for at least 30 ECTS per semester.*

PhD Program Schedules

PhD Molecular Medicine

Autumn Semester – Full Time (Year 1)

Required: 30 ECTS - 2 Mandatory Courses and either 1 Elective Course or 1 Research Module

MANDATORY COURSES			
MM101 Molecular Basis of Monogenic Diseases	MM102 Molecular Basis of Complex Diseases		
ELECTIVE COURSES & RESEARCH MODULE			
MG102 Cytogenetics and Genomics	MG103 Methodologies and Technologies Applied in Medical Genetics	NEURO101 Cellular and Molecular Neuroscience	NEURO102 Brain and Behaviour
MVI Molecular Virology and Immunology	BMI101 Bioinformatics	DRP101 PhD Research Project Part I	

Spring Semester – Full Time (Year 1)

Required: 30 ECTS - 2 Mandatory Courses and either 1 Elective Course or 1 Research Module

MANDATORY COURSES	
MM103/NEURO103 Neurosciences and Neurogenetics	MM104 Gene and Cell Therapy
ELECTIVE COURSES & RESEARCH MODULE	
MG101 Molecular Genetics	MG104 Biochemical Basis of Genetic Diseases
DRP101 PhD Research Project Part I	

PhD Medical Genetics

Autumn Semester – Full Time (Year 1)

Required: 30 ECTS - 2 Mandatory Courses and either 1 Elective Course or 1 Research Module

MANDATORY COURSES

MG102
Cytogenetics and Genomics

MG103
Methodologies and Technologies
Applied in Medical Genetics

ELECTIVE COURSES & RESEARCH MODULE

MM101
Molecular Basis of
Monogenic Diseases

MM102
Molecular Basis of
Complex Diseases

NEURO101
Cellular and
Molecular
Neuroscience

NEURO102
Brain and
Behaviour

MVI
Molecular Virology
and Immunology

BMI101
Bioinformatics

DRP101
PhD Research
Project
Part I

Spring Semester – Full Time (Year 1)

Required: 30 ECTS - 2 Mandatory Courses and either 1 Elective Course or 1 Research Module

MANDATORY COURSES

MG101
Molecular Genetics

MG104
Biochemical Basis of Genetic Diseases

ELECTIVE COURSES & RESEARCH MODULE

MM103/NEURO103
Neurosciences and Neurogenetics

MM104
Gene and Cell Therapy

DRP101
PhD Research Project
Part I

PhD Neuroscience

Autumn Semester – Full Time (Year 1)

Required: 30 ECTS - 2 Mandatory Courses and either 1 Elective Course or 1 Research Module

MANDATORY COURSES

NEURO101
Cellular and Molecular Neuroscience

NEURO102
Brain and Behaviours

ELECTIVE COURSES & RESEARCH MODULE

MM101
Molecular Basis of
Monogenic Diseases

MM102
Molecular Basis of
Complex Diseases

MG102
Cytogenetics and
Genomics

MG103
Methodologies and
Technologies Applied in
Medical Genetics

MVI
Molecular Virology
and Immunology

BMI101
Bioinformatics

DRP101
PhD Research Project
Part I

Spring Semester – Full Time (Year 1)

Required: 30 ECTS - 1 Mandatory Course and either 1 Elective Course and 1 Research Module or 2 Elective Courses

MANDATORY COURSES

MM103/NEURO103
Neurosciences and Neurogenetics

ELECTIVE COURSES & RESEARCH MODULE

MG101
Molecular Genetics

MG104
Biochemical Basis
of Genetic Diseases

MM104
Gene and Cell Therapy

DRP101
PhD Research Project
Part I

NOTE: Not more than one elective course from the MM codes

Applies to all PhD programs

The above courses (apart from the Research Project of the spring semester) are composed of:

- Two lectures per week (duration 90 minutes each) and one tutorial per week (duration 60 minutes each)
- The total number of lectures per academic semester is 26 for each course and 13 tutorials for each course.
- Each course is credited with 10 ECTS
- In the event that students require additional time to complete their work, they will be able to register for additional research/writing modules during year 5 and year 6, under the following schedule: Years 5-6 (up to 120 ECTS: PhD research part IV, PhD thesis report and examination). All students are required to complete their research modules, prior to registering for the PhD thesis report and examination modules
- For all PhD programs: Research work is carried out during years 2-4 of study
- Sessions/courses may run parallel.

Course Descriptions

MM101: Molecular Basis of Monogenic Diseases

COORDINATOR: Marina Kleanthous, Professor

The course Molecular Basis of Monogenic Diseases is aimed at postgraduate students of biology and medical genetics and reviews all key aspects of the field of monogenic (or: single-gene) disorders.

Individually, monogenic diseases are rare but taken together affect about 1 per cent of the population. Moreover, owing to their accessibility to genetic and functional assays, monogenic disorders have contributed disproportionately to the development of modern tools and methods in genetics and to our knowledge of human gene function in health and disease.

The scope of this course is to describe the modes of inheritance and the molecular mechanisms of monogenic diseases. Drawing on specific examples of human disorders, the course will further provide an overview of tools to study and understand monogenic diseases, with an emphasis on new technologies for gene discovery, genotyping and functional genomics, and including advanced therapies and bioinformatics. Attention will also be given to the more applied aspects of monogenic diseases, such as disease management, current therapeutic and prevention approaches, and the prediction of disease severity based on primary genotype and on the presence of genetic modifiers.

MM102: Molecular Basis of Complex Diseases

COORDINATOR: Kyriacos Kyriacou, Professor

Complex diseases are multifactorial, polygenic disorders that develop as a result of interactions of multiple genes with each other, as well as with the environment. This lecture course will discuss the current aspects in the field of complex disorders. Despite the complex pathogenic mechanisms that operate towards the development of complex diseases, our understanding of their molecular basis has been greatly improved in recent years.

Therefore this course will describe the modes of inheritance, as well as the molecular mechanisms implicated in complex disorders. By drawing on specific examples of complex human diseases, such as cancer, skin and respiratory disorders, current concepts of molecular mechanisms involved in their pathogenesis will be reviewed and discussed. A number of study designs will be employed to review the tools, past and present, used to investigate and understand complex diseases. The use of new technologies for elucidating disease mechanisms, including high throughput genotyping, functional genomics, model organisms and bioinformatics, will be discussed. In addition, the clinical aspects of complex diseases, such as prevention, early diagnosis, therapy, use of biomarkers, as well as evaluation of disease severity, based on modifying factors, genetic and epigenetic, will be reviewed.

MM103/NEURO103: Neurosciences & Neurogenetics

COORDINATOR: Theodoros Kyriakides, Professor

The purpose of the course is to provide a foundation and a stimulus for the understanding of the structure and function of the central and peripheral nervous system so that the molecular basis of neurological disease is better understood. Basic knowledge on molecular biology methodologies and the scientific basis of Neurogenetics will be covered. Great emphasis will be given to correlating basic scientific principles to disease causation and symptoms in the nervous system.

The course will cover the anatomy and functional organization of the central and peripheral nervous system at macroscopic, microscopic and sub-cellular level. Common disease mechanisms participating in neurodegeneration such as oxidative stress, apoptosis, protein aggregation, mitochondrial dysfunction will be outlined and subsequently illustrated in a variety of human neurological disorders. Similarly the contribution of some cellular organelles in the pathophysiology of neurological disease will be illustrated. Throughout the course great emphasis will be made to correlate clinical phenotype with the molecular basis of disease which will also include genetic and epigenetic aspects. Lastly a variety of animal models will be examined to illustrate some of the principles of translational medicine.

MM104: Gene and Cell Therapy

COORDINATOR: Nikolas Mastroyiannopoulos, Assistant Professor

The course of Gene and Cell Therapy includes the main topics of the fields of Gene and Cell Therapy. The majority of diseases, inherited or acquired could be candidates for gene and cell therapy. Until now, several approaches have been developed towards this direction. Some of these have been tested in patients but the majority of them are at the research level, since gene and cell therapy are recent disciplines of the biomedical field.

The initial aim of the course is the understanding of the various ways of delivering genetic material in cells and organisms. The genetic "tools" which are currently used for gene and cell therapy will then be described and analysed. A big portion of the course will also deal with the various strategies developed for gene and cell therapy of diseases such as muscular dystrophies, cancer, inherited and infectious diseases.

Finally, gene and cell therapy clinical trials will be described and discussed in the classroom. The course is designed to understand firstly the concepts and tools for gene and cell therapy and then their application in the various strategies against diseases. The students will then comprehend and put together all knowledge received through presentations of research papers and acquaintance and discussions of gene and cell therapy clinical trials. Tutorials will be used to answer specific questions and to deepen students' understanding through group discussions with the aid of research papers.

MG101: Molecular Genetics

COORDINATOR: Marios Cariolou, Professor

The course in Molecular Genetics will focus exclusively on human genetics. Selected areas of emphasis will cover, at the beginning of the course, a broad range of basic concepts including: human DNA structure, gene function and organization and control of gene expression. More complex areas will concentrate on the human genome project, GWAS (Genome Wide Association Studies), understanding the role of genetic polymorphisms in athletic performance and mutations in disease development using as examples cardiovascular conditions, inherited deafness and disorders of sexual differentiation (DSD).

The course will include lectures on the use of genetics in human identification for forensic purposes including crime related investigations, kinship analyses, missing persons and disaster victim identification. Data analysis, interpretation and basic statistical methods used in forensic genetics will also be covered. The course will be completed by the presentation of interesting bioethical issues resulting from the advancement of genetics in health and/or forensic related areas and how genetic studies undergo bioethical review in Cyprus.

MG102: Cytogenetics & Genomics

COORDINATOR: Carolina Sismani, Associate Professor

The aim of this course is to provide in-depth education to students in the area of Human Cytogenetics and Genomics. The course will cover all aspects of human cytogenetics and genomics and will include methodologies from conventional cytogenetics such as tissue culture, karyotype and FISH to more cutting edge technologies used in molecular cytogenetics and genomics such as array-CGH (Comparative Genomic Hybridization) and NGS (Next Generation Sequencing).

The course will also cover the mechanism of formation of chromosomal abnormalities, their pathogenicity and clinical interpretation. Therefore chromosomal abnormalities will be discussed from both the clinical as well as the cytogenetic aspect. Emphasis will also be given in the current research involving the field of cytogenetics and genomics.

The lectures of this course include topics such as, laboratory methodologies, analysis of chromosomes, preimplantation, prenatal and post-natal analysis, chromosomal disorders and syndromes, cancer cytogenetics, genomic disorders, molecular mechanisms, non-invasive prenatal diagnosis, NGS and many other topics. The course will include lectures, tutorials, workshops, presentation of actual cases and referrals to current bibliography.

MG103: Methodologies & Technologies Applied in Medical Genetics

COORDINATOR: Kyproula Christodoulou, Professor

The field of Medical Genetics requires that human samples are properly and efficiently analysed. The aim of this course is to enable students to understand in-depth, critically discuss, implement and competently interpret and present results of a wide range of methods and techniques that are applied in Medical Genetics.

The course will consist of lectures, tutorials, workshops and literature studies. Each lecture will be focused on one major methodology or technology and relevant application examples will be presented and discussed.

Methodology and technology to be covered includes: Nucleic acids extraction and separation, PCR amplification, real-time PCR, restriction enzymes and their applications, SNP analysis, microsatellite genetic markers and fragment analysis, DNA sequencing, blotting techniques, basics of cell culture and microscopy, MLPA analysis, haplotype and linkage analyses, association studies, genetic risk assessment, next generation sequencing, gene expression profiling - microarrays technology, -omics technologies and bioinformatics for genomic data analysis.

MG104: Biochemical Basis of Genetic Diseases

COORDINATOR: Petros Petrou, Assistant Professor

This course is mainly focused on inborn errors of metabolism, a large and heterogeneous group of genetic disorders which are predominantly caused by inherited deficiencies of enzymes involved in specific biochemical pathways. The course aims at providing post-graduate students with a comprehensive background and understanding of the biochemical consequences of enzyme dysfunction and the associated cell and organ pathology.

The lectures deal with the major metabolic pathways and discuss genetic, cellular, clinical and biochemical features of related disorders. Inherited enzymatic deficiencies and their effects on the function of organelles such as lysosomes, peroxisomes and mitochondria will be further highlighted.

Students will also be introduced to the principles, methodology and instrumentation used for the laboratory investigation of inborn errors of metabolism including the latest technological advances. Current approaches, challenges and new trends in the management and treatment of these disorders will be reviewed. The concept of newborn screening for inherited metabolic disorders along with the associated benefits, problems and dilemmas will be further discussed.

NEURO101: Cellular and Molecular Neuroscience

COORDINATOR: Kleopas Kleopa, Professor

The aim of this course is to provide an in-depth understanding of basic cellular and molecular processes underpinning brain function. The unique aspects of nervous system development, cellular architecture, excitability, and homeostasis will be highlighted. Examples of neurological disorders resulting from genetic or acquired nervous system disturbances at the cellular and molecular level will further emphasize their importance and provide a link between basic and clinical neuroscience.

In addition to the theoretical basis, the course will include practical aspects of research in the neuroscience laboratory such as imaging, microscopy, DNA recombination and generation of disease models, as well as bioinformatics and computation neuroscience methods, all needed for pursuing a career in neuroscience research.

This course will provide complementarities with the other core courses within the Neuroscience MSc/PhD program in order to offer a complete coverage of the field. Transferable skills will also be acquired through focused school-wide lectures.

NEURO102: Brain and Behaviour

COORDINATOR: Savvas Papacostas, Professor

The main emphasis of this course will be two-fold. On the one hand it will review and discuss the basic structure of the nervous system and the way its nature and pattern of physiological functioning influence normal and abnormal behaviour; neuronal functioning and its effects on neurotransmitters, structural and anatomical features of the nervous system, hormonal and endocrine functioning and the interrelationships between various biological systems in the regulation of behaviour.

On the other hand it will review and discuss the physiological bases and current research in a number of selected behaviours and neurological/psychiatric conditions such as sleep, eating, reproduction, aggression, memory, communication and mental disorders.

Topic areas

- Physiological, anatomical and communicative functions of neurons in the central nervous system
- Structures and anatomical features of the brain, especially those parts related to behaviour
- The neural and/or hormonal bases of selected behaviours
- Interrelationships between various parts of the brain in the regulation of behaviour
- Contemporary literature in physiological bases of behaviour
- Current research in physiological neuropsychology and comparisons with results of contemporary research with other published information.

MVI: Molecular Virology and Immunology

COORDINATOR: George Krashias, Lecturer

The course Molecular Virology and Immunology includes the main topics in the fields of Virology and Immunology. This course has a dual purpose: to provide an integrated and more advanced understanding of viruses in general and their role in disease pathogenesis, focusing on understanding the molecular basis of these processes; and secondly to provide broad knowledge of the basic concepts in cellular and molecular immunology. Emphasis will also be given to understanding the viral survival strategies and the immune mechanisms that result in elimination of viral pathogens.

An overview of available approaches (vaccines and antiviral drugs) for providing protection and treatment against viral diseases and of various cutting edge methodologies currently used for the diagnosis and monitoring of viral infections will also be provided by this course. Tutorials held throughout the course will address specific questions, helping students to broaden the knowledge acquired during lectures through group discussions and the use of original research papers.

Finally, the workshops will be used to improve students' communication skills through oral presentations and small group discussions. The course does not require any previous knowledge in virology and immunology.

BMI101: Bioinformatics

COORDINATOR: George Spyrou, Bioinformatics ERA Chair

Bioinformatics is a new multidisciplinary field that includes the development and implementation of computational methods and tools suitable to handle, decipher and interpret the plethora of biomolecular data derived nowadays, acting as a bridge between bioinformatics and biological knowledge extraction. It is recognized that bioinformatics are fuelling the rise of translational research and the success of molecular medicine. The aim of the course is to enable students to get familiar with a significant number of bioinformatics tools and databases, understand the computational methods behind them, be able to exploit in-depth the capabilities of the tools, implement and competently interpret and present the results of a wide range of bioinformatics analyses, critically discuss the current limitations and design the next generation of tools

Preparatory Course

Introduction to Molecular Biomedical Sciences

COORDINATOR: Carsten W. Lederer, Assistant Professor

The preparatory course Introduction to Molecular Biomedical Sciences provides necessary background information for the main CSMM postgraduate programs. Attendance and successful completion of a written course exam are/is compulsory for most of the course participants, from non-biomedical backgrounds. The course is also highly recommended as a vocabulary primer for participants originating from non-English-speaking institutions and as an update for participants who graduated a number of years ago. Moreover, attendance may benefit anyone registered for the CSMM postgraduate programs. This preparatory course precedes the main CSMM courses and is organised into a maximum of 10 lecture sessions.

Admission Criteria, Application Procedure & Registration

Admission Criteria

To be admitted to an MSc or a PhD program, a student must meet at least the minimum requirements listed below:

- A Bachelors degree from a recognised accredited institution, in a related field of study
- English Language Certification or other accepted International Standard, if graduated from an institute where English is not the language of instruction.

Application Procedure

The CSMM application procedure takes place online, at the beginning of each calendar year.

Application announcements are made via e-mail and the school's website.

Required Documents

- A Completed Online Application Form
- CV and Highschool Leaving Certificate
- Academic and/or Professional References
- Academic Transcripts
- English Language Certificate (see above)
- Copy of I.D/Passport.

European Credit Transfer System (ECTS)

All Programs use the European Credit Transfer System (ECTS) which takes into consideration the workload for:

a) class attendance b) homework c) exam preparation.

In order to be awarded their title, students must successfully complete all courses included in their Program's curriculum including any other MSc or PhD degree requirements such as their Library or Research/Lab project (thesis) or PhD examination and produce at least one academic publication.

ECTS course exemptions may be granted subject to review on a case by case basis and upon application.

For information, contact the Education Office.

Registration

The CSMM offers an online service portal (Extranet) that facilitates the learning experience. It allows faculty and students to communicate and share educational material, view assessment results, statistics and academic transcripts. Also, registration and payment are only possible through Extranet. Students are provided with a unique username and password at the beginning of the academic year which allows them to navigate through the portal.

Students are expected to attend all necessary lectures, tutorials and seminars.

Adding and Dropping Courses

Students have the right to add or drop a course within a certain period at the beginning of each semester. More information regarding the exact dates to add or drop a course is available in the academic calendar.



Information for International Students

Entry Requirements

Travel Documents

Travelling to Cyprus requires certain documents which vary, depending on nationality. A valid passport is required for a stay of up to 90 days for all tourists, except citizens of EU, Switzerland, Iceland, Liechtenstein and Norway, who may enter Cyprus with the use of their national identity card provided that it bears a photo. Some non-EU third country nationals require a visa. Further detailed information can be obtained from the Ministry of Foreign Affairs.

Legal Points of Entry

The legal points of entry into the Republic of Cyprus are the airports of Larnaca and Pafos (Paphos) and the ports of Larnaca, Lemesos (Limassol), Latsi and Pafos (Paphos), which are situated in the area under the effective control of the Government of the Republic of Cyprus. Entry into the territory of the Republic of Cyprus via any other port or airport in which the Government of the Republic does not exercise effective control (Turkish occupied areas) is illegal.

Health Insurance and Services

All E.U. students who have a European Medical Card E111 are entitled, upon presentation of the card, to free medical and pharmaceutical care by public hospitals in Cyprus.

Non-E.U. students, as well as E.U. students who do not possess the above mentioned card, must obtain private medical insurance for in-hospital and outpatient medical treatment in Cyprus.

Non-E.U. students will also need to obtain private medical insurance immediately upon arrival in Cyprus as it is a requirement to obtain a VISA.

Diplomatic Missions of the Republic of Cyprus Abroad

Detailed information regarding the Embassies and High Commissions of the Republic of Cyprus abroad can be obtained from the Ministry of Foreign Affairs.

About Cyprus

Cyprus is geographically located in the north-eastern corner of the Mediterranean Sea, at the crossroads of 3 continents, Europe, Asia and Africa, 75km south of Turkey, 90km west of Syria and 380km east of the Greek island of Rhodes. It covers an area of 9,251 sq. km which makes it the third largest island in the Mediterranean Sea after Sicily and Sardinia. English is widely spoken in Cyprus and regularly used in commerce and government.

Mobility Opportunities at the CSMM

Erasmus+

As an educational institution which has been awarded the Erasmus Charter for Higher Education, the CSMM supports mobility of students and staff to improve the quality of higher education by encouraging transnational cooperation between universities and contributing to improved transparency and academic recognition of qualifications and studies throughout the European Union.

Students of the CSMM participate in mobility programs with partner institutes internationally.

Under regulations of the Erasmus Scheme, Alumni of the CSMM are entitled to participate in mobility schemes for up to a year after graduating from the School. This provides a plethora of opportunities for our alumni to gain both work experience and skills in an international setting.

The CSMM Education Office provides assistance and support to all participants of mobility programs. Full details can be found on the CSMM website: www.cing.ac.cy/csmm/

Student Services

We are here to support you every step of the way!

The CSMM Education Office deals with all matters involving student affairs as well as international relations. The Education Office is the first and main point of contact for all applicants, students of the School and participants of mobility programs.

The Education Office is responsible for ensuring a seamless application procedure, smooth induction and study period for students. The Office also follows up post-study with international students and mobility participants in order to ensure full recognition of their time spent at the CSMM through the Learning Agreement and Transcript of Records.

The Education Office organises various types of student events and activities such as Orientation Programs, Awards Ceremonies, Social Events, Graduation Ceremonies, etc.

Careers Office services such as CV Workshops and interview skills seminars are also organised by the Education Office in cooperation with the Institute's Human Resources Department. The aim of the Careers Office is to assist students and alumni in preparation for all career related issues.

The personnel of the CSMM are committed to enriching the student experience and promoting a full and active student life. We provide the necessary support and resources to ensure that all students will enjoy their experience at the CSMM to the maximum.

Student Representatives

Open channels of communication with the student population are very important to the CSMM. We therefore highly encourage student representation.

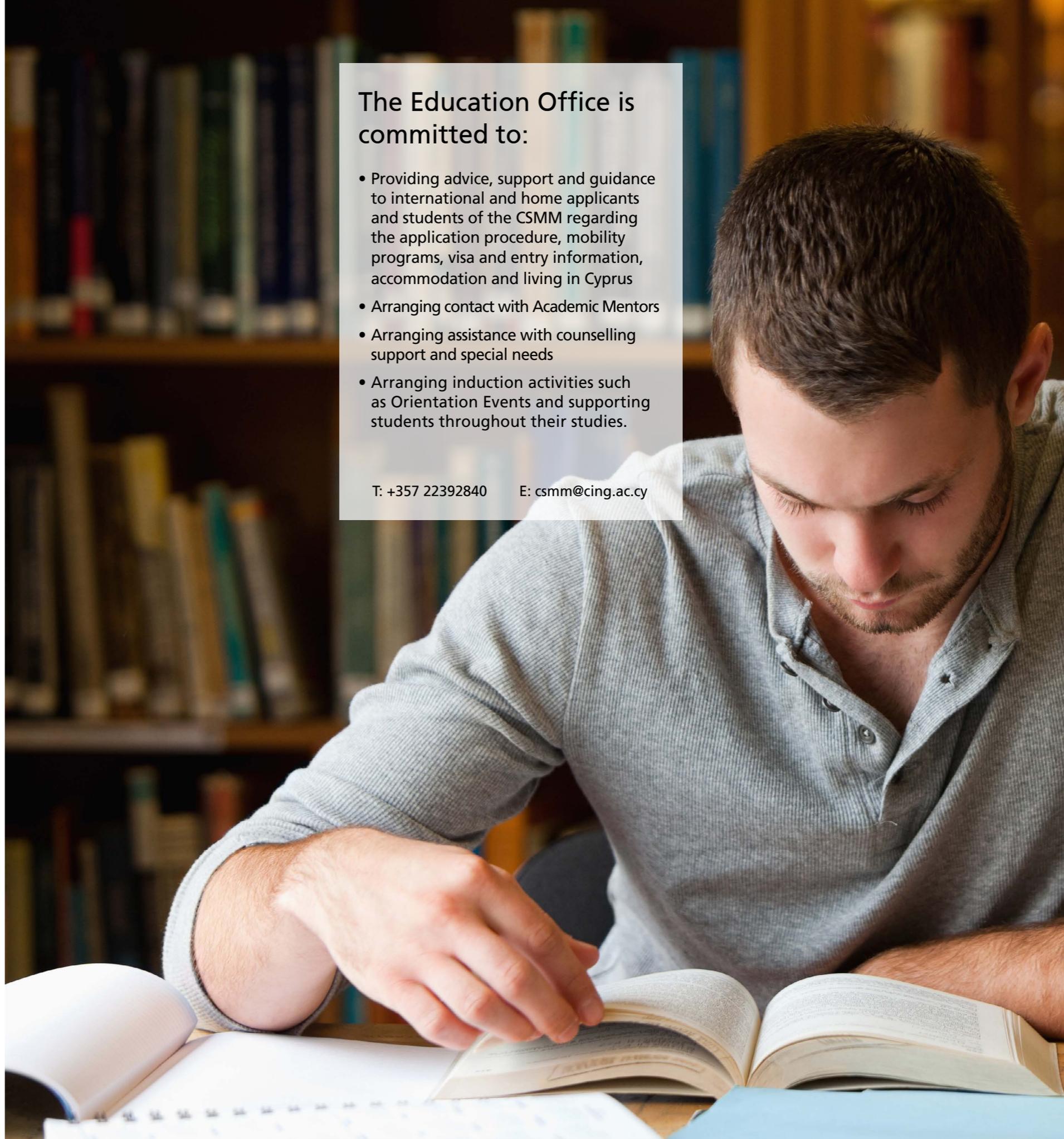
At the beginning of each Academic year, all students from each Program will be requested to elect one representative. Class representatives will represent the CSMM students in various activities and serve as an intermediary between the students, the faculty and the administration.

The Education Office is committed to:

- Providing advice, support and guidance to international and home applicants and students of the CSMM regarding the application procedure, mobility programs, visa and entry information, accommodation and living in Cyprus
- Arranging contact with Academic Mentors
- Arranging assistance with counselling support and special needs
- Arranging induction activities such as Orientation Events and supporting students throughout their studies.

T: +357 22392840

E: csmm@cing.ac.cy



Student Services

Orientation Event

Before the beginning of the Autumn Semester, the CSMM organises a welcoming orientation event for all new students. This is a perfect opportunity for students to become familiar with the School's premises, to meet the Academic Staff and the Administrative Team, take tours, participate in fun activities and to get acquainted before the Autumn semester gets underway.

Library

The Library of the Cyprus School of Molecular Medicine consists of reference books, journals, technical information, dictionaries and other reading material. The academic staff and students of the CSMM have access to information such as electronic journals and databases. The Library is continuously updated with new scientific journals and books, relevant to the CSMM's clinical, educational and research activities.

Student computer laboratories and meeting areas are available in the Library. Students are able to access the internet and work on their assignments. Printing facilities are also available.

There are no laboratory-based courses; however students may have to undertake individual research projects. Students are placed in the Departments or Clinics of the CING and will be under the supervision of an Advisor.

Academic Advice and Guidance

All students will be assigned an Academic Advisor who will be responsible to advise students on academic issues.

In addition, students will also be assigned a Research/Library Advisor who will provide supervision regarding their final thesis (research project or library project).

Additionally, students may also consult the Education Office on other topics related to living in Cyprus.

Finally, students will be bound by the existing rules, regulations and policies common to all CING employees and also by the CSMM Student Policies, information within the Student Handbook.

Services for Students with Special Needs

The CSMM is committed to offering practical solutions to any of the students' special needs, such as access to the CSMM facilities, or assistance on their academic issues.

Employment

The CING is a highly respected organisation both locally and internationally. As a result, various important projects are conducted within the Institute. CSMM PhD students will have the opportunity to be part of various important projects towards a reduction in their tuition fees.

Café/Restaurant

A café/restaurant operates within the CING premises with subsidised prices for all CING employees and CSMM students.

Accommodation

Students of the Cyprus School of Molecular Medicine can choose from a great range of private apartments and houses within walking distance of the School. The Education Office may assist students in finding their accommodation for the duration of their studies.

Local Area

Within close proximity of the School, students can find a mall, various shops, coffee shops, restaurants, clubs, banks etc. Monthly living expenses are estimated to be between €680–€850 including rent.

Corporate Responsibility and Sustainability

The CING and the CSMM are committed to corporate responsibility and sustainability.

As a result, a Sustainability Committee is active and a Sustainability Policy is approved by the CING Board of Directors.

To this extent, various actions are set in place. In addition, CSMM students and CING academic and administrative staff are highly encouraged to:

- Volunteer in various charity events (especially fundraising for TELETHON), blood donations, green events/initiatives
- Provide open lectures/seminars based on their expertise, given the non-profit character of the organization
- Recycle non-toxic used lab consumables and other recyclable materials that are collected in the CING designated areas. This includes the innovative program for drugs' recycling.
- Collaborate with licensed companies on various waste management actions such as Pharmaceutical drugs, kitchen cooking oil and sanitary pads.
- Make energy, paper and water savings within the workplace
- Submit innovative ideas to the CING Management regarding additional related actions that can be implemented.

The CSMM maintains a culture that promotes ethics by offering bioethics seminars to its postgraduate students. In addition, the CSMM postgraduate students are allocated in CING labs, working side-by-side with experienced CING staff who apply the above in their professional routine, hence, the students learn by example. Through this the CSMM contributes to society by producing graduates who will act as catalysts of change as they will have the Sustainability principles embedded in their professional behavior.

Moreover, the CSMM graduates pledge their commitment to the values of the science and the humanity through the CSMM oath that is taken during their graduation ceremony.

The CSMM is a member of Green Associations for Universities: A.A.S.H.E. and Copernicus.



School Governance & Faculty

Based on the decision of The Cyprus Agency of Quality Assurance and Accreditation in Higher Education, the qualifications of Faculty can be found on the School's website www.cing.ac.cy/csmm/

School Council

Prof. Leonidas A. Phylactou - CSMM Provost / CING Chief Executive Medical Director and BoD Member (President)
Member of the CING Board of Directors (Member)
Member of the CING Board of Directors (Member)
Prof. Kyriacos Kyriacou - Dean of the CSMM (Member)
Prof. Kyproula Christodoulou - CSMM Faculty (Member)
Prof. Theodoros Kyriakides - CSMM Faculty (Member)
Prof. Marios Cariolou - CSMM Faculty (Member)
Prof. Kleopas Kleopa - CSMM Faculty (Member)
Elected Student Representative (Member)

Provost

The Chief Executive Medical Director of the Cyprus Institute of Neurology and Genetics, Prof. Leonidas A. Phylactou, is the ex-officio Provost of the School. He has the overall supervision of the operation of the CSMM. The Provost of the School oversees all external relations and is responsible for promoting the expansion of the CSMM.

Dean

The Dean of the School has the academic responsibility of the CSMM. Prof. Kyriacos Kyriacou is the appointed Dean of the Cyprus School of Molecular Medicine.

Program Coordinators

The Program Coordinators are responsible for the management and coordination of the specific programs of the CSMM.

Molecular Medicine: Prof. Theodoros Kyriakides

Medical Genetics: Prof. Kyproula Christodoulou

Neuroscience: Prof. Kleopas Kleopa

Biomedical Research: Prof. Marios Cariolou

Director of Finance and Administration

The Financial and Administrative Director of CING, Mr. Marios Flouros, is the ex-officio Financial and Administrative Director of the School who has the responsibility for the financial and administrative work of the CSMM.

Faculty

Leonidas Phylactou, Provost, Professor
Kyriacos Kyriacou, Dean, Professor
Philippos Patsalis, CING BOD's Distinguished Professor
Marios Cariolou, Professor
Kyproula Christodoulou, Professor
Anthi Drousiotou, Professor
Marina Kleanthous, Professor
Kleopas Kleopa, Professor
Theodoros Kyriakides, Professor
Savvas Papacostas, Professor
Andreas Hadjisavvas, Associate Professor
Marios Pantzaris, Associate Professor
Carolina Sismani, Associate Professor
Violetta Anastasiades, Emeritus Assistant Professor
Carsten Lederer, Assistant Professor
Nikolas Mastrogiannopoulos, Assistant Professor
Eleni Papanicolaou-Zamba, Assistant Professor
Petros Petrou, Assistant Professor
Evy Bashiardes, Lecturer
George Krashias, Lecturer
Paschalis Nicolaou, Lecturer
Lefteris Papathanasiou, Lecturer
Irene Sargiannidou, Lecturer

Education Office Personnel

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LIBRARIAN: Maria Ellina
(ellina@cing.ac.cy, +357 22392670)

I.T. ASSISTANT: Aristos Aristodemou
(aristosa@cing.ac.cy, +357 22392834)



School Committees

Academic Committee

Prof. Kyriacos Kyriacou (Chairman)
 Prof. Marios Cariolou
 Prof. Kyproula Christodoulou
 Prof. Kleopas Kleopa
 Prof. Theodoros Kyriakides
 Student Representative

Administration Committee

Prof. Leonidas A. Phylactou (Chairman)
 Prof. Kyriacos Kyriacou
 Mr. Marios Flouros
 Student Representative

Disciplinary Committee

Prof. Kyriacos Kyriacou (Chairman)
 Prof. Marios Cariolou
 Prof. Kyproula Christodoulou
 Student Representative

Admissions Committee

One faculty representative from each academic program of study.

Quality Assurance Committee

Prof. Leonidas A. Phylactou (Chairman)
 Member of the CING Board of Directors
 Prof. Kyriacos Kyriacou
 Prof. Kyproula Christodoulou
 Prof. Kleopas Kleopa
 Mr. Marios Flouros
 Mr. Marinos Voukis
 Ms. Maria Theocharidou
 Student Representative

Tuition Fees & Scholarships

Tuition Fees

Education is an investment in your future and the CSMM is committed to offering an accessible education to all successful applicants.

Students will be informed by the Education Office about the exact payment deadlines of each semester.

FEE TYPE	AMOUNT €	DETAILS
MSc Molecular Medicine	8,000	
MSc Medical Genetics	8,000	
MSc Neuroscience	8,000	-
MSc Biomedical Research	10,550	
PhD Tuition Fees	please see note 3 below	
Application Fees	40	Per application
Registration Fees	25	Per registration
Late Registration Fees	25	Per late registration
Late Payment Fees	25	Per late payment
Technology Fees (internet & email use)	10	Per registration
Transcript Fees	5	Per additional copy
Graduation Fees	50	-
Preparatory Course Fees	300	-

Notes:

(1) Health Insurance cover is recommended for all students.

(2) International students are required to have health insurance for themselves as well as for their spouse and children.

(3) The total cost for the PhD Programs (Euro 20,750) is divided over the duration of 4 years. The cost for the 1st year of studies amounts to Euros 5,450.

Scholarships & Grants

Publicly-Funded Grants

Students of the CSMM are entitled to apply for a publicly-funded grant based on the Government's assessment criteria.

CSMM Scholarships

For the academic year 2019-20 all PhD students will have tuition fee scholarships for years 2-4 and also a monthly allowance of at least Euros 500 (exemptions apply).

A number of full and partial scholarships to cover tuition fees are awarded to MSc and PhD students based on academic criteria.

In addition to the above, various types of scholarships are available specifically for PhD students, for years 2, 3 and 4 which may cover costs of consumables and/or a monthly allowance.

The exact amount and number of scholarships that are offered is always subject to the yearly budget of the School.

Academic Calendar

Calendar for the academic year 2019-2020

	MSc Programs (Molecular Medicine, Medical Genetics, Neuroscience)			
	Fall Semester	Spring Semester	Summer Period	Last Semester
Registration for Preparatory Course	June - Early Aug 2019	-	-	
Preparatory Course	Mid Aug - Early Sept 2019	-	-	
Registration Period	Late Aug - Mid Sept 2019	Jan 2020	Early June 2020	Mid Aug. 2020
Late Registration Period	Mid Sept 2019	Late Jan 2020	-	
Beginning of courses / project	Late Sept 2019	Early Feb 2020	Early June 2020	Beginning Sept. 2020
Deadline to ADD / DROP course / project	Early Oct 2019	Mid Feb 2020	-	
Last days of lectures	Mid Dec 2019	Mid May 2020	-	
Examinations	Jan 2020	Mid - Late May 2020	Mid Sept 2020	Mid - End Sept 2020
Holidays	Late Dec 2019 - Early Jan 2020	Mid Apr - Early May 2020	-	

Public Holidays 2019

01 October	Independence Day
28 October	Greek National Day
24 December	Christmas Eve
25 December	Christmas Day
26 December	Boxing Day
31 December	New Year's Eve

Public Holidays 2020

01 January	New Year's Day
06 January	Epiphany Day
02 March	Green Monday
25 March	Greek Independence Day
01 April	National Day
16 April	Holy Thursday (Half Day)
17 April	Good Friday
20 April	Easter Monday
01 May	Labour Day
08 June	Whit Monday
15 August	Assumption Day

CHALLENGE YOUR KNOWLEDGE

SUCCEED THROUGH EXCELLENCE

MAXIMISE YOUR POTENTIAL

MAKE A DIFFERENCE

At the CING and the CSMM all our work and efforts focus on one ultimate goal

MAKING A POSITIVE DIFFERENCE to the field of science, to our patients, to our society.

We achieve this and continue to strive for this through our contribution to innovative RESEARCH, through exposing our students to exceptional skills and EDUCATION, through providing our patients with the best possible care and quality SERVICES.

Join the CING family and make a difference!

Legal Responsibility

The person legally responsible for the Cyprus School of Molecular Medicine is the Cyprus Institute of Neurology and Genetics.

Prospectus Approval

The prospectus has been approved by the Ministry of Education and Culture by their letter dated 31st December 2018.

Disclaimer: Information included within this prospectus was correct at the time of publication. The information is to be used as a general guide, changes may occur after publication.

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