UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2023/24
IN
MEDICAL BIOTECHNOLOGY AND MOLECULAR MEDICINE (Classe LM-9)
Immatricolati dall'Anno Accademico

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**HEADING**

<table>
<thead>
<tr>
<th>Degree classification - Denomination and code:</th>
<th>LM-9</th>
</tr>
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<tbody>
<tr>
<td>Degree title:</td>
<td>Dottore Magistrale</td>
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<tr>
<td>Curricula currently available:</td>
<td>NEUROSCIENCE / MEDICAL AND EXPERIMENTAL ONCOLOGY / MOLECULAR DIAGNOSTICS FOR PERSONALIZED MEDICINE / EXPERIMENTAL IMMUNOLOGY AND TRANSPLANTATIONS</td>
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<td>Length of course:</td>
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<td>Credits required for admission:</td>
<td>180</td>
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<td>Total number of credits required to complete programme:</td>
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<td>Course years currently available:</td>
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<tr>
<td>Access procedures:</td>
<td>Cap on student numbers, student selection based on entrance test</td>
</tr>
<tr>
<td>Course code:</td>
<td>D57</td>
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</tbody>
</table>

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**PERSONS/ROLES**

**Head of Study Programme**
Prof.ssa Maura Francolini

**Tutors - Faculty**
- Prof. Marco Venturin - Academic guidance tutor
- Prof. Diego Fornasari - Internship tutor
- Prof.ssa Anna Marozzi - Internship tutor
- Prof.ssa Federica Compostella - Erasmus and international mobility tutor

**Degree Course website**
https://medicalbiotechnology.cdl.unimi.it/en

**Student secretary:** Mrs Lucia Loseto
Dip. Biotecnologie Mediche e Medicina Traslazionale sede di via Vanvitelli, 32 Tel. 0250317123
https://medicalbiotechnology.cdl.unimi.it/en Email: lsbiotecmed@unimi.it

**link to degree course regulations**

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**CHARACTERISTICS OF DEGREE PROGRAMME**

**General and specific learning objectives**
The Master Programme in Medical Biotechnology and Molecular Medicine is committed to form professionals, provided with a strong technical and theoretical background. The expected evolution of their careers will be to develop scientific methodologies and coordinate research projects in the fields of applied biotechnology and translational medicine. The Master Programme will provide students with a strong educational background on the genetic and molecular bases of diseases and the pathophysiological mechanisms that occur in humans in pathological states, in order to develop diagnostic and therapeutic strategies based on biotechnology. This knowledge will be integrated with a specific formation in the fields of informatics, biophysics, nanotechnology and pharmacology. The Master Programme is organized in common and curricular learning activities focused on neuroscience, oncology, molecular diagnostics and immunobiotechnology. As a part of the common course, the students will learn about economic management of a scientific project, with emphasis on the construction of a business plan and cost analysis. The Master Programme dedicates a long period of time, almost the entire second year, to laboratory activities in which the student, under the supervision of a tutor, will autonomously develop and apply different experimental approaches in the context of a wider research project. This activity will be finalized to the preparation of the degree programme final exam.
Expected learning outcomes
The Master Programme in Medical Biotechnology and Molecular Medicine graduate will be able, in her/his future career, to coordinate and run research projects in the field of biotechnology and molecular medicine and to collaborate with physicians in the development of novel and innovative diagnostic and therapeutic strategies.

Professional profile and employment opportunities
The objective of the course is to provide the scientific community with experts in the fields of medical biotechnology and molecular medicine able to develop new experimental models for the study of human diseases, to develop new diagnostic approaches, to identify new therapeutic molecules, to devise innovative drug delivery systems. All these possibilities arise from the competences of the Master’s graduate who will have a strong medical educational background that will allow her/him to represent a fruitful interface with the clinics, building a bridge between the bench and the bedside. A deep knowledge of the pathogenetic mechanisms of diseases is required in order to apply basic disciplines to the resolution of medical problems.

Employment opportunities: public and private research structures, including Universities, CNR (National Research Council), Istituto Superiore di Sanità (National Institute for health); Hospitals; private pharmaceutical, diagnostics and biotechnological companies; companies supporting scientific research (instruments, biotechnological reagents); companies involved in science communication and publishing.

Below a list of professional profiles:

Medical Science Liaison (MSL) within pharmaceutical and biotechnological companies
In the pharmaceutical and biotechnological companies, this new professional figure has the role of establishing scientific relationships with clinicians, supporting the appropriate use of the drugs of interest for the company. This professional has a strong medical and pharmacological background that enable her/him to talk with physicians in order to solve clinical problem related to the use of specific drugs.

Clinical Monitor within pharmaceutical and biotechnological companies; CRO (Clinical Research Organization) (upon completion of a specific training course)
Thanks to the strong background in pharmacology and statistics this expert will be able to coordinate clinical studies.

Market Access Manager within pharmaceutical and biotechnological companies; consulting agencies, AIFA (Italian agency for drugs) (upon completion of a specific training course)
Thanks to the strong background in economy and pharmacology, and a knowledge of ethical issues related to commercialization of drugs, the graduate will be in the ideal position to establish stable relationships with the Regulatory Authorities and, in general, with the Institutions with the aim of promoting the approval and the access to the market of new pharmacological and biotechnological products.

Medical and scientific communication advisor within scientific and medical communication agencies and publishers
Thanks to the multidisciplinary approaches to medical sciences acquired during the course, the Master Programme graduate may evolve into a medical writer or a consultant for the development of distance learning modules for the Continuing Medical Education (CME) or other health professionals requiring continuing education or again as an advisor for pharmaceutical and biotechnological companies in the communication with patient organizations.

The graduates in the Master Program in Medical Biotechnology and Molecular Medicine will have access to PhD programs, second level Master degrees, Specialization School in Medical Genetics, Medical Pharmacology, Clinical Biochemistry, Microbiology and Virology, Nutrition. After the State Board Examination, the graduates can enter into the Professional Register of Biologists (Senior Section).

Pre-requisites for admission
Enrollment to this Master Course is restricted to a limited number of students, in fact access to the programme is capped locally. Italian and European students admitted to attend the Master Program are identified by a ranking list determined on the basis of the scores of the admission test. This ranking list will be also used for the choice of the curriculum. The minimum score in the admission test for being included in the ranking list is 20/50. See below for extra European students*

The date of the entrance test will be communicated later in the announcement of selection published on the website of UNIMI.

For Italian, European candidates the selection will be on the basis of a competitive written entrance exam. The admission test consists of a written test based on multiple-choice questions, it will be in English and will include 50 questions on topics such as biology, biochemistry, physics, pharmacology, immunology, pathology, genetics. Candidates must obtain a minimum score of 20/50 points to be eligible for the enrolment.

*For non-EU students resident abroad (applicants for a student visa), selection and ranking will be based on the assessment of the personal and scholastic curriculums and on an interview evaluation.

B2 entrance level:
Proficiency in English at a B2 level or higher per the Common European Framework of Reference for Languages (CEFR) is required for admission.
The B2-level requirement will be ascertained by the University Language Centre (SLAM) upon admission as follows:
- Language certificate of B2 or higher level issued no more than three years before the date of admission application. You will find the list of language certificates recognized by the University at: https://www.unimi.it/en/node/39267/). The certificate must be uploaded when submitting the online application;
- English level achieved during a University of Milan degree programme and certified by the University Language Centre (SLAM) no more than four years before the date of admission application. In this case the process is automatic, the applicant does not have to attach any certificates to the application;
- Placement test administrated by the University Language Centre (SLAM) according to the calendar published on the website: https://www.unimi.it/en/node/39267/
All those who fail to submit a valid certificate or do not meet the required proficiency level will be instructed during the admission procedure to take the placement test.
Applicants who do not take or pass the placement test will be required to obtain a language proficiency certificate recognized by the University (see: https://www.unimi.it/en/node/297/) and deliver it to the SLAM via the InformaStudenti service by the deadline fixed for the master's programme (https://www.unimi.it/en/node/39267/).

Programme structure
The planned length of the Master Program in Medical Biotechnology and Molecular Medicine is two years, divided in 6 quarters, during which the student will acquire a total of 120 ects. The first and second quarters of the first year include learning activities common to all students, with the aim of providing them with a strong and deep knowledge in the different areas of interest of medical biotechnology. The third quarter of the same year is organized in four curricular learning activities: neuroscience, medical and experimental oncology, diagnostics for personalized medicine, experimental immunology and transplantations. This curricular activity are aimed to integrate the more general educational background of our graduates with more specific translational and clinical information deriving from them. At the beginning of the Master Program, each student will choose one of the four curricula. In the fourth quarter (second year), part of the activities will be dedicated to the socio and bio-economy aspects of biotechnology, with emphasis on bioethics. The remaining part of the fourth quarter and the entire fifth and sixth quarters will be dedicated to research activities in selected laboratories (internship, see below). During the two years, the students will have the opportunity of acquiring 8 ects as electives, chosen among the different proposals from the Course itself or from other Courses of our institution, as long as their subject is congruent with the objectives of the Master Programme.

Conscientious objection policy
In compliance with Act No. 413 of October 12, 1993 "Regulations on conscientious objection to animal experimentation”, the Faculty of Medicine recognizes the undisputed right to conscientious objection by students.
Students may be exonerated from the attendance at laboratory exercises in which testing is scheduled on live or dead animals. The achievement of the scientific and practical knowledge for passing the exams will be granted, in accordance with the educational objectives of the specific degree programs, through substitutive methods suggested by the teachers.

Campus
The common learning activities will be held at the Dipartimento di Biotecnologie Mediche e Medicina Traslazionale - Via Vanvitelli, 32 – 20129 Milano.
Curricular learning activities will be held at Dipartimento di Biotecnologie Mediche e Medicina Traslazionale and at Istituto Nazionale per la Cura e lo Studio dei Tumori, via Venezian, 1 – 20133 Milano.

Subjects organisation
Lectures and seminars
Lecture is the explanation by the teacher of the course about subjects regarded as fundamental for the acquisition of the basic knowledge in a given discipline. Seminars are similar to lectures, but are held by specialists in order to provide a deeper knowledge in certain fields, the subjects illustrated during seminars are part of the program of the course and are part of the final test.
Laboratory activities
During laboratory activities the student, under the supervision of a tutor, will autonomously develop different experimental approaches in the context of a wider research project. This activity will be finalized to the preparation of the degree program final exam.
Professionalizing activities
Professionalizing activities are part of the laboratory activities.
Elective training chosen by the students
The course provides for a training work chosen by the student, distributed throughout the entire course of study. These selected activities offer the student the opportunity to analyse specific or innovative subjects, choosing from a range of suggestions offered each year by the Faculty. Selected activities may be of different types and attendance is compulsory. The three types of selected activity are configured-as:
1. seminar type courses;
2. internships;
3. participation in conferences and congresses.
Similarly, a fourth type of selected activity can be configured:
4. ‘summer internships’, whose regulation is covered by Art. 8 of the Faculty Regulations on Selected Activities.

The student will mature 1 credit for every three conferences/congresses attended during the chosen course of study for Type 3 activities (attendance at conferences and congresses). The student can acquire a maximum of 1 credit for attending Type 3 activities (attendance at conferences and congresses) during the period of the chosen studies.

At the end of the attendance of the Selected Activity (elective) students who have at least 75% of attendance will receive a certificate and the credits.

The specific regulation of selected activities can be found in the Faculty Regulations on Selected Activities.

Tutoring
The Master Programme offers a tutorship service to help students in their progression through the course with specific reference to internship selection and dissertation preparation as well as international mobility (see tutor list above).

Compulsory attendance
The student is required to attend all the teaching activities, with a tolerance of no more than 25% of the hours.

Students are required to sign their attendance at each learning activities. Should the number of absences be higher than 25%, the Teaching Committee will take the necessary measures.

Testing and assessment procedures
Each course has a single exam, which is always individual (art. 22, punto 1, del Regolamento Didattico d'Ateneo), and the score will be expressed in thirtieths (art. 11, comma 7, lettera e) del citato DM 270/2004 e dell’art. 22, punto 7 del Regolamento Didattico di Ateneo). Details for exam procedures can be found here: https://medicalbiotechnology.cdl.unimi.it/en/study/exams

Internship criteria
During the internship, the students will be directly in charge for the development of a defined research project, with the aim of generating experimental data that will be used for the preparation of the degree program final exam. The laboratory activities are related to the subjects and topic dealt during the course, are compulsory and will be certified by the tutor and by a committee.

Degree programme final exam
The final exam consists of: written text, oral presentation and defence of an experimental thesis containing the data obtained by the student during her/his attendance to the research lab. The thesis will be elaborated under the supervision of a professor belonging to the Master Program in Medical Biotechnology and Molecular Medicine with the collaboration of a tutor. The committee will take in consideration the quality of the thesis, the quality of the public presentation and the scientific maturity of the candidate during the discussion.

Lecture timetable
https://medicalbiotechnology.cdl.unimi.it/en/study/course-timetable

ADMISSION TO MASTERS PROGRAMMES

2 Admission for students from other universities
To be admitted to the entrance test, candidates from Italian and EU universities have to possess 180 ects obtained in the Bachelor's degree. Specifically, 50 ects have to derive from the following areas: BIO/09 (Physiology), BIO/10 (Biochemistry), BIO/11 (Molecular biology), BIO/12 (Clinical biochemistry), BIO/13 (Biology), BIO/14 (Pharmacology), BIO/16 (Human anatomy), BIO/18 (Genetics), BIO/19 (General microbiology), MED/01 (Medical statistics), MED/03 (Human genetics), MED/04 (General pathology and immunology), MED/05 (Clinical pathology), MED/06 (Medical oncology), MED/07 (Microbiology), MED/08 (Pathology), MED/09 (Internal medicine), MED/25 (Mental health), MED/26 (Neurology), MED/46 (Laboratory medicine), INF/01 (Informatics), FIS/07 (Medical physics).

For non-EU students resident abroad (applicants for a student visa) the admission to the Master Programme will be based on the assessment of the personal and scholastic curriculum and on an interview evaluation. As for Italian and EU students, extra-EU applicant’s scholastic curriculum has to include at least 50 ects in the scientific fields reported in the list as above.

In order to profitably follow the learning activities, the candidate should have a good knowledge of spoken and written English. The B2 level is required and the certification has to be provided at the registration of the admission test.

Students waiting to obtain the Bachelor's Degree, can participate in the admission test “sub iudice”. In case of success, they will be accepted only if they will obtain the Bachelor degree by December 31st, also possessing the prerequisite described above.

More details about the selection/admission procedure can be find below in the Admission Criteria paragraph.

EXPERIENCE OF STUDY ABROAD AS PART OF THE DEGREE PROGRAM
The University of Milan supports international mobility by providing its students with the opportunity to spend study and internship periods abroad. It is a unique chance to enrich your educational path in a new exciting environment.

The agreements entered into by the University with over 300 universities from the 27 EU member countries under the European Erasmus+ programme allow regularly enrolled students to carry out part of their studies at one of the partner
universities or to undertake internships at companies, training and research centres and other organizations.

Similar international mobility opportunities are provided outside Europe, through agreements with a number of prestigious institutions.

Study and internships abroad

The Master programme in Medical Biotechnology and Molecular Medicine supports international mobility with leading international universities, as well as the possibility for students to earn credits through exchange education and training programmes with Partner organizations.

Available programmes:
- Bilateral agreements in the framework of the Erasmus + programme with: University of Leuven (Katolieke Universiteit Leuven, Belgium), Leids Universitair Medisch Centrum (LUMC) of the University of Leiden (Netherland) and University of Cantabria (Universidad de Cantabria, Spain).
- Traineeship with: Institute for Research in Biomedicine (IRB – Bellinzona, Switzerland).

In recent years, a growing number of students have developed their professionalism and the European dimension of their training through residence periods abroad. Associated universities represent highly recognized European institutions, featuring reference schools (Master and PhD schools) in biomedical sciences and offer the possibility of carrying out research activities in a wide range of scientific fields covered by the Degree Programme. The students will thus be offered exciting opportunities to enhance their CVs and evaluate their interests in extending their careers in the international setting.

The Master course in Medical Biotechnology and Molecular Medicine offers second year students the possibility to carry out the entire practical training for the preparation of their final thesis work in one of the aforementioned institutions or with other institutions with which an agreement has been established. The student will have to define a research project related to his/her course of studies and curricular training, with the joint agreement of both the Unimi and the foreign tutors. The period abroad amounts to 9 months equivalent to 32 credits. A positive evaluation of the period abroad is required. The latter should be defined by the tutor in the foreign university, the Unimi tutor and is subjected to the approval by the Unimi Didactic Council. Erasmus students who obtain outstanding results, proved by an official evaluation letter of the foreign tutor to the President of the Masters Commission, will be rewarded with 1-2 additional points in the final Laurea Grade.

Besides general informative meetings organized by the University, the Degree course in Medical Biotechnology provides specific support to interested/selected students through the organization of specific informative session and/or meeting with the tutor for mobility.

How to participate in Erasmus mobility programs

The students of the University of Milan can participate in mobility programmes, through a public selection procedure. The University organizes informative meetings to illustrate mobility opportunities and rules for participation.

Ad hoc commissions will evaluate:
- Academic career
- the candidate's proposed study programme abroad
- his/her foreign language proficiency
- the reasons behind his/her application

Call for applications and informative meetings

The public selection for Erasmus+ mobility for study generally begins around February each year with the publication of a call for applications specifying destinations and requirements. Regarding the Erasmus+ Mobility for Traineeship, the University of Milan usually publishes two calls a year enabling students to choose a destination defined by an inter-institutional agreement or to find a traineeship position on their own.

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which may be supplemented by the University funding for disadvantaged students.

Language courses

Students who pass the selections for mobility programmes can benefit from intensive foreign language courses offered each year by the University Language Centre (SLAM).

https://www.unimi.it/en/node/8/

Learn more at https://www.unimi.it/en/node/274/

For assistance, please contact:

International Mobility Office
Via Santa Sofia 9 (second floor)
Tel. 02 503 13501-12589-13495-13502
ADMISSION CRITERIA: 1ST YEAR CAP ON STUDENT, STUDENT SELECTION BASED ON ENTRANCE TEST

Links to enrolment information and procedures

N° of places reserved to non-EU students resident abroad
10

Number of places assigned
65

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<thead>
<tr>
<th>1st COURSE YEAR</th>
<th>Core/compulsory courses/activities common to all curricula</th>
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</thead>
<tbody>
<tr>
<td>Scheduling</td>
<td>Learning activity</td>
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<tr>
<td>1 trimester</td>
<td>Advanced microscopic techniques and nanotechnology</td>
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<tr>
<td>1 trimester</td>
<td>Applied pharmacology to biotechnology</td>
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<td>Pathogenetic basis of diseases (Total number of ects:12)</td>
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<td>2 trimester</td>
<td>Genetic and molecular bases of diseases (Total number of ects:14)</td>
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<td>Degree programme final exam</td>
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<td>1 year</td>
<td>Professionalizing training activities</td>
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<td>1 trimester</td>
<td>Social aspects of biotechnology (Total number of ects:11)</td>
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<td>Biomedicine</td>
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<td>Total number of compulsory credits/ects</td>
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</table>

Further elective courses common to all curricula
In the first year, the student must gain 4 ects of further electives
In the second year, the student must gain 4 ects of further electives

LIST OF CURRENTLY AVAILABLE CURRICULA
NEUROSCIENCE Course years currently available: 1st
MEDICAL AND EXPERIMENTAL ONCOLOGY Course years currently available: 1st
MOLECULAR DIAGNOSTICS FOR PERSONALIZED MEDICINE Course years currently available: 1st
EXPERIMENTAL IMMUNOLOGY AND TRANSPLANTATIONS Course years currently available: 1st

CURRICULUM: [D57-A] NEUROSCIENCE

Core learning objectives for the course
To provide our graduates with a strong background in the fields of neurodegenerative and psychiatric diseases, with emphasis on the molecular pathogenesis, the most recent neuroimaging approaches and the pharmacological strategies for their treatment. Graduates will also follow classes of neurology and psychiatry in order to contextualize basic science into a clinical approach.

Expected learning outcomes
Our graduates will acquire competences in the fields of neurobiology, neuropsychopharmacology, neuroimaging, all of which in a clinical perspective, that will allow them to establish interfaces with neurologists and psychiatrists for the development of a translational approach to disease.

Professional profile and employment opportunities
Researcher in the fields of medical biotechnology and molecular medicine
Medical Science Liaison (MSL)
Clinical Monitor
Market Access Manager
Medical and scientific communication advisor
### 1st COURSE YEAR  Core/compulsory courses/activities  Curriculum-specific features

#### NEUROSCIENCE

<table>
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<tr>
<th>Scheduling</th>
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<th>Module/teaching unit</th>
<th>Ects</th>
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<td>3 trimester</td>
<td>Molecular diagnostic and therapy (Total number of ects:6)</td>
<td>Radiology</td>
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<td>Neurology</td>
<td>2 MED/26</td>
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<td>Pharmacology</td>
<td>2 BIO/14</td>
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<td>Applied Biology</td>
<td>1 BIO/13</td>
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<td></td>
<td></td>
<td>Neurology</td>
<td>1 MED/26</td>
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<td></td>
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<td>Biochemistry</td>
<td>1 BIO/10</td>
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<td>Applied Biology</td>
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<td>1 BIO/11</td>
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<td>Endocrinology</td>
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<td>Mental health</td>
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<td></td>
<td></td>
<td>Neurology</td>
<td>2 MED/26</td>
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<td>Total number of compulsory credits/ects</td>
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### CURRICULUM: [D57-B] MEDICAL AND EXPERIMENTAL ONCOLOGY

**Core learning objectives for the course**

To provide our graduates with the latest knowledges on the molecular biology of the neoplastic cells and the immunological implications of cancer. Emphasis will be put on the research and development of new diagnostic and therapeutic methodologies. Graduates will also learn about epidemiology and clinics of solid and liquid tumors.

**Expected learning outcomes**

Our graduates will develop competences in the field of molecular oncology, with a strong background in cancer immunology. They will be able to develop innovative therapeutic strategies.

**Professional profile and employment opportunities**

- Researcher in the fields of medical biotechnology and molecular medicine
- Medical Science Liaison (MSL)
- Clinical Monitor
- Market Access Manager
- Medical and scientific communication advisor

### 1st COURSE YEAR  Core/compulsory courses/activities  Curriculum-specific features MEDICAL AND EXPERIMENTAL ONCOLOGY

<table>
<thead>
<tr>
<th>Scheduling</th>
<th>Learning activity</th>
<th>Module/teaching unit</th>
<th>Ects</th>
<th>Sector</th>
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<td>Cancer epidemiology and pathogenesis (Total number of ects:6)</td>
<td>Medical statistics</td>
<td>1 MED/01</td>
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<td></td>
<td></td>
<td>General pathology and immunology</td>
<td>2 MED/04</td>
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<td></td>
<td></td>
<td>Medical oncology</td>
<td>1 MED/06</td>
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<td></td>
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<td>Blood diseases</td>
<td>2 MED/15</td>
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<tr>
<td>3 trimester</td>
<td>Cancer immunology and microenvironment (ONC) (Total number of ects:6)</td>
<td>General pathology and immunology</td>
<td>2 MED/04</td>
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<td></td>
<td></td>
<td>Medical oncology</td>
<td>2 MED/06</td>
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<td>Blood diseases</td>
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<tr>
<td>3 trimester</td>
<td>Research and development of new diagnostic and therapeutic methodologies (Total number of ects:6)</td>
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<td>Molecular biology</td>
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### CURRICULUM: [D57-C] MOLECULAR DIAGNOSTICS FOR PERSONALIZED MEDICINE

**Core learning objectives for the course**

To provide our graduates with a strong background in the latest diagnostic approaches based on biotechnology, molecular biology and genetics. The aim is to form professionals able to interact with clinicians for the definition of personalized therapeutic strategies. We also intend to give our graduates a background in the regulatory issues related to the data and laboratory management.

**Expected learning outcomes**

Our graduates will possess competences in different fields of molecular diagnostics such as genetics, microbiology, clinical biochemistry, forensic medicine and reproductive medicine.

**Professional profile and employment opportunities**

- Researcher in the fields of medical biotechnology and molecular medicine
- Medical Science Liaison (MSL)
- Clinical Monitor
- Market Access Manager
- Medical and scientific communication advisor
### Core learning objectives for the course

To provide our graduates with an advanced formation in immunology with emphasis on the manipulation of the immune system for therapeutic purposes. In this perspective they will learn about cancer immunology. Graduates will also receive a strong background in regenerative medicine and transplantations, with emphasis on biomaterials and stem cells.

### Expected learning outcomes

Our graduates will possess deep knowledges on the physiology and pathology of the immune system and on the principles of regenerative medicine and transplantations.

### Professional profile and employment opportunities

- Researcher in the fields of medical biotechnology and molecular medicine
- Medical Science Liaison (MSL)
- Clinical Monitor
- Market Access Manager
- Medical and scientific communication advisor

### COURSE PROGRESSION REQUIREMENTS

Before attempting anyone of the curricular exams the student has to pass the 6 common exams while, in order to begin the laboratory activity, the student has to pass the 6 common exams of the first two trimesters and subsequently 1 exam out of her/his specific curriculum.