International Master of BioMedicine

Recruitment 2024-2025

Université de Strasbourg | Johannes Gutenberg Universität, Mainz | Université du Luxembourg

Non-EU students: March 1st - April 14th 2024

EU students: March 1st - May 12th 2024

International students from scientific, medical and pharmaceutical tracks → Inter-cultural & interdisciplinary formation → One group of students *with 3-semestrial rotations* → TRI-NATIONAL DIPLOMA and networking →

INTERNATIONAL CAREER

- R&D therapeutic, diagnostic, devices
- R&D health products, nutrition
- Pharmaceutical industries, start-ups
- Academia
- Medical agencies

Year 1 (M1)

Semester 1 : Université du Luxembourg

Mandatory courses:		30 ects
Introduction to Systems Biology	50 h	4
Safety in the Laboratory	35 h	2
Gene Regulation / Transcriptomics	50 h	4
Practicals in Gene Regulation	70 h	4
Protein Structure and Function	70 h	4
Proteomics	70 h	4
Practicals in Systems Biology	70 h	4
Genomics / Databases	70 h	4
Foreign language (F/D)	40 h	--

Semester 2: Université de Strasbourg

Mandatory courses:		24 ects
Molecular pharmacology	28 h	3
Cell responses: from receptors to signaling	28 h	3
Biological responses: from targets to treatments	28 h	3
Initiation to pre-clinical research (internship 105 h)		3
Molecular vascular medicine and cardiology	50 h	6
Molecular aspects of dyslipidemia and diabetes	32 h	3
Hot topics in biomedical sciences	25 h	3

Optional courses:		6 (2 x 3) ects
Therapeutic potential of stem cells	27 h	3
Introduction to drug delivery and nanobiomedicine	28 h	3
Cardiac and vascular regenerative medicine	24 h	3
Genetically modified experimental animal models	24 h	3
Foreign language		

Year 2 (M2)

Semester 3 : JG Universität Mainz

Mandatory courses:		24 ects
Human neurobiology + Research project in neurosciences	105 h	12
Approaches and applications in molecular medicine and clinical immunology + research project in mol. med. & clin. immunology	105 h	12

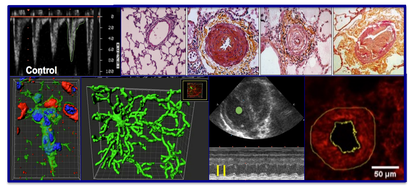
Optional courses:		6 (3 x 2) ects
Clinical Radiation Biology	21 h	2
Scientific data formatting and editing	21 h	2
Personalized Oncology	21 h	2
Experimental animal course (FELSA)	21 h	2
Foreign language	21 h	2

Semester 4

Mandatory:	30 ects
6-month international internship (academic or private laboratory)	

Courses starting dates

M1 mid-September 2024
M2 mid-October 2024



Education Program supported by
IdEx/formation and UFA/DFH

Potential financial supports for students

- Université Franco-Allemande
- ERASMUS +
- Région Grand Est
- Initiatives d'Excellence (IdEx)

Assistance in acquiring accommodations
(Luxembourg, Strasbourg, Mainz)

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Institut für Molekulare Medizin

APPLY ONLINE 2024-2025
at Université de Strasbourg
e-candidat:
https://ecandidat.unistra.fr/

https://wwwfr.uni.lu/formations/fstm/international_master_of_science_in_biomedicine

https://www.studying.uni-mainz.de/biomedicine/

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