



Master in Biomedical Sciences

Focus Research

MA-BIMED | M-BIMEA | 2024-2025

The 2024-2025 programme is subject to change. It is provided for information purposes only.

Programme mnemonic

MA-BIMED

> Focus *Research* : M-BIMEA

Exists also in

> Focus *Professional* : M-BIMES

Studies level

Master 120 credits

Learning language

english and french

Schedule

office hours

Studies category / subcategory

Health / Biomedical and pharmaceutical sciences

Campus

Erasme

Take part in preparatory courses [<https://www.ulb.be/en/studies-info-desk-1>] or get help to succeed [<https://www.ulb.be/en/studies-info-desk-1>], before or during your studies.

Get help

Apply for financial aid, look for accommodation or a student job, get support [<https://www.ulb.be/fr/aides-services-et-accompagnement/aid-services-and-support-1>] for your specific needs.

International/Openness

You will have the opportunity to take part in the Erasmus exchange program organised by the School of Medicine.

Job opportunities

With a Master in Biomedical Sciences, you will be able to join research teams working in diverse research fields, such as medical biology or genetics, immunology, neurosciences, cancerology, microbiology, toxicology, etc...and participate in the biomedical research aiming at the development of new diagnostic or therapeutic technologies.

Programme objectives

Fulfil your ambitions by gaining a command of the concepts and techniques of human biology with a particular focus on pure or applied medical research aiming at the development of new diagnostic or therapeutic tools.

Succeed in your studies

Choose

The information and guidance counsellors at the InfOR-études [<https://www.ulb.be/en/studies-info-desk-1>] service will help you choose your studies throughout the year.

Succeed

Contacts

 <https://medecine.ulb.be/version-francaise/contact>

Jury President

Isabelle PIRSON

Jury Secretary

Mariana IGOILLO ESTEVE



Bloc 1 | M-BIMEA | MA-BIMED

Cours obligatoires

- BIME-G4400 [Questions approfondies de microbiologie et immunologie médicale](#) | Véronique FLAMAND (Coordinator), Anne BOTTEAUX, Michel BRAUN, Mostafa CHAMEKH, Ricardo DE MENDONCA, Alain LE MOINE, Eric MURAILLE, Pierre SMEESTERS and Carine VAN LINT
 10 credits [lecture: 72h, practical work: 48h] second term French
- BIME-G4406 [Modèles cellulaires et animaux et FSTAL module 1](#) | Catherine LEDENT (Coordinator), SABINE COSTAGLIOLA and Alban DE KERCHOVE D'EXAERDE
 5 credits [lecture: 36h] second term French
- BIME-G4407 [Internship, Jobdays and Scientific communication](#) | Pascale VERTONGEN (Coordinator), Mariana IGOILLO ESTEVE, Laurence LADRIERE, Isabelle PIRSON and Basile STAMATOPOULOS
 5 credits [lecture: 12h, seminars: 10h, work placement: 250h] first and second terms French
- BMOL-G4401 [Signalisation intracellulaire et pathologies](#) | Isabelle PIRSON (Coordinator), Carine MAENHAUT and Bernard ROBAYE
 5 credits [lecture: 36h] second term French
- BMOL-G4410 [Tools for the development of pharmaceuticals and other therapeutic modalities](#) | Caroline VERHOEVEN (Coordinator), Ahmad AWADA and Joëlle NORTIER
 5 credits [lecture: 36h, practical work: 12h] first term English
- BMOL-G4417 [Genic expression and Oncology](#) | Pierre HEIMANN (Coordinator), François FUKS, Cyril GUEYDAN and Carine VAN LINT
 5 credits [lecture: 50h, tutorial classes: 50h] first term English
- BMOL-G4418 [Stem cells, Developmental genetics](#) | Cédric BLANPAIN (Coordinator) and Sumeet Pal SINGH
 5 credits [lecture: 24h] first term French
- CHIM-G4311 [Clinical biology and pathology](#) | Marie TRE-HARDY (Coordinator)
 5 credits [lecture: 36h] first term English
- INFO-G4410 [Bioinformatics](#) | Vincent DETOURS (Coordinator)
 5 credits [lecture: 24h, practical work: 24h] first term English
- MEDI-G4404 [Neurosciences \(part II\) : maladies nerveuses](#) | Alban DE KERCHOVE D'EXAERDE (Coordinator) and Jérôme Bonnefont
 5 credits [lecture: 44h] second term French
- MEDI-G4411 [Neurosciences \(part I\)](#) | Jean-Marie VANDERWINDEN (Coordinator), Alban DE KERCHOVE D'EXAERDE, David GALL and Hugo Levillain
 5 credits [lecture: 55h] first term English

Bloc 2 | M-BIMEA | MA-BIMED

Cours obligatoires

- BIME-G5502 **Séminaires de recherche scientifique** | Isabelle PIRSON (Coordinator), Véronique FLAMAND and Mariana IGOILLO ESTEVE
⌚ 15 credits [seminars: 15h, personal assignments: 150h] 📅 first and second terms 🗨 French
- MEMO-G5510 **Mémoire de fin d'études** | Isabelle PIRSON (Coordinator)
⌚ 30 credits [mfe/tfe: 600h] 📅 first and second terms 🗨 French

Stage au choix

A total of 15 credits chosen from the following

- BIME-G5501 (optional) **Stage long et Jobday** | Véronique FLAMAND (Coordinator)
⌚ 15 credits [workshop: 10h, work placement: 300h] 📅 second term 🗨 French
- BIME-G5513 (optional) **Stage court et job day** | Véronique FLAMAND (Coordinator)
⌚ 10 credits [workshop: 10h, work placement: 120h] 📅 first and second terms 🗨 French
- BIME-G5514 (optional) **Approche des nouvelles technologies** | SABINE COSTAGLIOLA (Coordinator)
⌚ 5 credits [project: 50h] 📅 first term 🗨 French