























# Master in Biomedical Sciences

## Focus Professional

### Bloc 1 | M-BIMES | 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, Carine TRUYENS 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-BIMES | MA-BIMED

## Cours obligatoires

- BIME-G5505 **Interfaculty and interdisciplinary program in Healthcare Innovation** | Hilde STEVENS (Coordinator)  
⌚ 5 credits [lecture: 40h, tutorial classes: 20h] 📅 second term 🗨 English
- BIME-G5506 **Translational medicine in selected diseases areas** | Mariana IGOILLO ESTEVE (Coordinator)  
⌚ 5 credits [lecture: 45h, tutorial classes: 15h] 📅 second term 🗨 English
- BIME-G5512 **Basics of pre-clinical and clinical research** | William HAUSDORFF (Coordinator) and Hilde STEVENS  
⌚ 5 credits [seminars: 60h] 📅 second term 🗨 English
- 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-G001 (optional) **Stage court en médecine translationnelle et job day** | Mariana IGOILLO ESTEVE (Coordinator)  
⌚ 10 credits [workshop: 10h, work placement: 120h] 📅 second term 🗨 French
- BIME-G002 (optional) **Séminaires de recherche scientifique et/ou clinique** | Isabelle PIRSON (Coordinator)  
⌚ 5 credits [seminars: 15h, personal assignments: 40h] 📅 first and second terms 🗨 French
- BIME-G5501 (optional) **Stage long et Jobday** | Véronique FLAMAND (Coordinator)  
⌚ 15 credits [workshop: 10h, work placement: 300h] 📅 second term 🗨 French