

# Master in Biochemistry and Molecular and Cell Biology

Focus Research

## Bloc 1 | M-BMOLA | MA-BMOL

### Tronc commun

- BMOL-F007 **Lectures d'articles en biologie moléculaire** | Fabienne ANDRIS (Coordinator)  
 ⌚ 5 credits [project: 80h] 📅 second term 🗨️ French
- BMOL-F4005 **Travaux pratiques de biologie moléculaire 1** | Fabienne ANDRIS (Coordinator), Bruno ANDRE, Mélanie BOECKSTAENS, Louis DROOGMANS, Cyril GUEYDAN, Véronique KRUYIS, Denis LAFONTAINE, Anna Maria MARINI, Maud MARTIN, David PEREZ-MORGA, Bernard ROBAYE, Carine VAN LINT, Laurence VAN MELDEREN and René WINTJENS  
 ⌚ 5 credits [practical work: 48h] 📅 first term 🗨️ French
- BMOL-F4008 **Travaux pratiques de biologie moléculaire 2** | Fabienne ANDRIS (Coordinator), Eric BELLEFROID, Sabrina BOUSBATA, Dukas Jurénas, Maud MARTIN, David PEREZ-MORGA, Jacob SOUOPGUI, Laurence VAN MELDEREN and Benoît VANHOLLEBEKE  
 ⌚ 5 credits [practical work: 48h] 📅 second term 🗨️ French
- BMOL-F414 **Scientific writing** | Abel GARCIA-PINO (Coordinator) and Etienne MEYLAN  
 ⌚ 5 credits [practical work: 48h] 📅 first term 🗨️ English
- BMOL-F416 **Expression génique** | Cyril GUEYDAN (Coordinator), Véronique KRUYIS, Denis LAFONTAINE and Carine VAN LINT  
 ⌚ 5 credits [lecture: 42h] 📅 first term 🗨️ French
- BMOL-F417 **Communication inter-cellulaire (signalisation/intégration des signaux)** | Benoît VANHOLLEBEKE (Coordinator) and Bernard ROBAYE  
 ⌚ 5 credits [lecture: 28h, seminars: 8h] 📅 first term 🗨️ French
- BMOL-F460 **Organisation interne et physiologie de la cellule** | Bruno ANDRE (Coordinator), Denis LAFONTAINE and Maud MARTIN  
 ⌚ 5 credits [lecture: 36h] 📅 first term 🗨️ French

### Cours spécifiques

- BMOL-F003 **Biologie Structurale, Enzymologie et Protéomique** | Louis DROOGMANS (Coordinator), Sabrina BOUSBATA and Abel GARCIA-PINO  
 ⌚ 5 credits [lecture: 44h, tutorial classes: 8h] 📅 first term 🗨️ French
- BMOL-F413 **Bioinformatique** | Matthieu DEFANCE (Coordinator), Jean-François FLOT and Maxime TARABICHI  
 ⌚ 5 credits [lecture: 48h] 📅 second term 🗨️ French

### Cours optionnels

*A total of 15 credits chosen from the following*

- BMOL-F006 (optional) **Microbiologie moléculaire** | Carine VAN LINT (Coordinator), Mélanie BOECKSTAENS, Abel GARCIA-PINO, Dukas Jurénas, Anna Maria MARINI and Laurence VAN MELDEREN  
 ⌚ 5 credits [lecture: 40h] 📅 second term 🗨️ French
- BMOL-F009 (optional) **CIVIS- Mobility Blend Immuno-oncology** | Fabienne ANDRIS (Coordinator)  
 ⌚ 5 credits [lecture: 28h] 📅 academic year 🗨️ French
- BMOL-F418 (optional) **Immunologie et biologie du cancer** | Etienne MEYLAN (Coordinator), Fabienne ANDRIS and Stanislas GORIELY  
 ⌚ 5 credits [lecture: 40h] 📅 second term 🗨️ French

- BMOL-F419  
(optional) [Neuroscience et biologie cardiovasculaire](#) | Maud MARTIN (Coordinator), Eric BELLEFROID, Alban DE KERCHOVE D'EXAERDE, Serge SCHIFFMANN and Benoît VANHOLLEBEKE  
⌚ 5 credits [lecture: 52h] 📅 second term 🗨️ French
- BMOL-F420  
(optional) [Relations hôtes-vecteurs-parasites: notions approfondies](#) | Sabrina BOUSBATA (Coordinator) and Luc VANHAMME  
⌚ 5 credits [lecture: 36h, practical work: 24h] 📅 second term 🗨️ French
- BMOL-F421  
(optional) [Questions d'actualités en Biologie moléculaire et Physiologie cellulaire](#) | Véronique KRUYIS (Coordinator), Bruno ANDRE and Cyril GUEYDAN  
⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨️ French
- TEMP-0000  
(optional) [Cours extérieurs au programme](#)  
⌚ 5 credits 📅 academic year 🗨️ French

# Master in Biochemistry and Molecular and Cell Biology

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## Bloc 2 | M-BMOLA | MA-BMOL

### Tronc commun

- MEMO-F510 [Séminaires de recherche](#) | Laurence VAN MELDEREN (Coordinator)  
🕒 5 credits [seminars: 48h] 📅 first and second terms 🗨️ French
- MEMO-F511 [Travail bibliographique en Biologie moléculaire](#) | Etienne MEYLAN (Coordinator)  
🕒 10 credits [project: 48h] 📅 first and second terms 🗨️ French
- MEMO-F516 [Mémoire](#) | Laurence VAN MELDEREN (Coordinator)  
🕒 30 credits [mfe/tfe: 900h] 📅 first and second terms

### Cours spécifiques

- STAG-F022 [Stage de recherche en biologie moléculaire](#) | Sabrina BOUSBATA (Coordinator)  
🕒 15 credits [work placement: 180h] 📅 academic year 🗨️ French