

# Master in Biochemistry and Molecular and Cell Biology

Focus Research (Charleroi)

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









### Cours obligatoires

- BINF-Y401** [Bioinformatique](#) | Jérôme Delroisse (Coordinator)  
⌚ 2 credits [lecture: 15h] 📅 first term 🗨️ French
- BINF-Y402** [Sciences des données – 3 : exploration et prédiction](#) | Philippe GROSJEAN  
⌚ 3 credits [tutorial classes: 36h] 📅 first term 🗨️ French
- BIOL-Y240** [Compléments de biologie cellulaire](#) | Lionel TAFFOREAU (Coordinator)  
⌚ 3 credits [lecture: 20h] 📅 first term 🗨️ French
- BMOL-F007** [Lectures d'articles en biologie moléculaire](#) | Laurence VAN MELDEREN (Coordinator)  
⌚ 5 credits [project: 80h] 📅 second term 🗨️ French
- BMOL-F4009** [Imagerie moléculaire préclinique sur le vivant](#) | Gaëtan VAN SIMAEYS (Coordinator)  
⌚ 3 credits [lecture: 16h, practical work: 8h] 📅 first term 🗨️ French
- BMOL-F4010** [TP de biologie moléculaire ou imagerie](#) | Fabienne ANDRIS (Coordinator), Eric BELLEFROID, Sabrina BOUSBATA, Abel GARCIA-PINO, Jacob SOUOPGUI, Laurence VAN MELDEREN and Benoît VANHOLLEBEKE  
⌚ 5 credits [practical work: 48h] 📅 second term 🗨️ French
- BMOL-Y403** [Formation exp. Animale](#) | Alexandre LEGRAND (Coordinator)  
⌚ 5 credits [lecture: 68h, tutorial classes: 12h] 📅 first term 🗨️ French
- BMOL-Y404** [Phylogénie moléculaire des organismes](#) | Igor Eeckhaut (Coordinator) and Jérôme Delroisse  
⌚ 2 credits [lecture: 15h] 📅 first term 🗨️ French
- BMOL-Y405** [Propriété intellectuelle et intelligence stratégique](#) | Marlène Genlain (Coordinator)  
⌚ 2 credits [lecture: 13h, tutorial classes: 4h] 📅 first term 🗨️ French
- BMOL-Y406** [Protéomie structurale et fonctionnelle](#) | Ruddy WATTIEZ (Coordinator)  
⌚ 4 credits [lecture: 30h] 📅 first term 🗨️ French
- BMOL-Y407** [Techniques modernes en biochimie, biologie et imagerie moléculaire](#) | Lionel TAFFOREAU (Coordinator)  
⌚ 3 credits [lecture: 20h] 📅 first term 🗨️ French
- BMOL-Y409** [Techniques d'imagerie médicale: principe et applications](#) | Sophie LAURENT (Coordinator) and Sébastien BOUTRY  
⌚ 3 credits [lecture: 23h] 📅 first term 🗨️ French
- BMOL-Y410** [Traineeship in cell imaging](#) | Sébastien BOUTRY (Coordinator)  
⌚ 5 credits [practical work: 48h] 📅 second term 🗨️ English

### Cours optionnels

*Three courses 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, tutorial classes: 12h] 📅 second term 🗨️ 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: 42h, seminars: 10h]  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: 30h]  second term  French

# Master in Biochemistry and Molecular and Cell Biology

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

### Cours obligatoires

- MEMO-F510 [Séminaires de recherche](#) | Laurence VAN MELDEREN (Coordinator)  
🕒 2 credits [seminars: 20h] 📅 first and second terms 🗨️ French
- MEMO-F542 [Mémoire](#) | Mélanie BOECKSTAENS (Coordinator)  
🕒 30 credits [mfe/tfe: 900h] 📅 academic year 🗨️ French
- MEMO-Y003 [Travail bibliographique](#)  
🕒 10 credits [project: 48h] 📅 academic year 🗨️ French
- STAG-Y001 [Stage en entreprise ou labo](#) | Ruddy WATTIEZ (Coordinator)  
🕒 18 credits [work placement: 400h] 📅 academic year 🗨️ French