Welcome to our Masters of Science in Biology

Behaviour, Evolution and Conservation (BEC)
Medical Biology (MB)
Molecular Life Science (MLS)

« La vie sous toutes ses formes »
Some information for a successful Master

• The School of Biology and its educational goals
• Terms of success for the autumn semester
• Plagiarism
• Communication with the School of Biology
• Registration for courses and exams
• Registration for your Master thesis project
• Presentation of the mentoring system
The educational goals of the School of Biology

• To promote a broad and integrative knowledge of the biological sciences, from the molecules in the cells to the organisms in their ecosystems

• To develop skills in scientific research at the frontiers of knowledge

• To develop analytical and critical minds capable of learning independently

• To acquire team working skills

• To learn to communicate in multiple languages

• To appreciate the role of biology in society
Regulations and Directives: your rights and duties

/unil.ch/ecoledebiologie > For students > Regulations

Study rules for the Master of Sciences in Behaviour, Evolution and Conservation

Study rules for the Master of Sciences in Medical Biology

Study rules for the Master of Sciences in Molecular Life Sciences

*The French version of the regulations prevails*
3 Masters with different objectives but similar structures

- **Module 1**: Semester 1
- **Module 2**: Semester 1
- **Module 3**: Semester 2
- **Module 4**: Semester 2
- **Defense of the Master project**: Semester 3

Exams

Welcome to Masters Students in Biology – September 19, 2017
Welcome to Masters in Biology – September 19, 2017

3 Masters with different objectives but similar structures

- **Module 1**
  - Compulsory and optional courses
  - (≈ 15 credits ECTS)

- **Module 2**
  - First step project
  - (≈ 15 credits ECTS)

- **Module 3**
  - Compulsory and optional courses
  - (15 credits ECTS)

- **Module 4**
  - Master Project:
  - A personal research project
  - (45 credits ECTS)

Exams

Defense of the Master project
Terms of success for autumn semester

Conditions for passing Modules 1 and 2

The final result of the theoretical course assessments (Module 1) is the average, weighted by coefficients, of the grades obtained for the compulsory and optional courses.

The final result of the practical course assessments (Module 2) is the arithmetic average of the grades for the practical assessments.

The French version of the regulations prevails
## Terms of success for the autumn semester

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Final result</th>
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<tbody>
<tr>
<td><strong>BEC</strong></td>
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</table>
| Module 1 (M1): Theoretical courses  
Average weighted by coefficients of the grades for compulsory and optional courses  
Module 2 (M2): First-step project  
Arithmetic average of the grade for the practical assessments | ≥ 4.0 and no more than one grade under 4.0 in the compulsory and optional courses |
| **MLS**    |              |
| Module 1(M1): Theoretical courses  
Average weighted by coefficients of the grades for compulsory and optional courses  
Module 2 (M2): First-step project  
Arithmetic average of the grade for the practical assessments | ≥ 4.0 and no more than one grade under 4.0 |
| **MB**     |              |
| Module 1 (M1): Theoretical courses  
Average weighted by coefficients of the grades for all the courses  
Module 2 (M2): First-step project  
Arithmetic average of the grade for the practical assessments | ≥ 4.0 |

≥ 4.0 and no more than one grade under 4.0
Plagiarism according to UNIL directives 0.3, 0.3bis and 4.2

Plagiarism or other forms of cheating is serious and sanctioned by UNIL.

Cases are transmitted to the Dean’s office, which can take sanctions extending from a reprimand to the invalidation of a work, to a failure in a module or year of study, or even to the expulsion from the Faculty.
Some rules for correct use of the sources of information in scientific writing

1. Respect for intellectual property and truth prohibits that we pass along as our own, even by omission, a work that we have not done or someone else’s idea.

2. Author citations must be indicated by «quotes» and the source clearly cited.

3. Statements that follow closely someone else’s text or work, or simple text adaptations, must be indicated as such.

4. Information obtained from the internet must be identifiable (i.e., indicate the URL address as well as the date of consultation)
How to communicate with the School of Biology?

- Website: www.unil.ch/ecoledebiologie
- E-mail: biologie-etudiants@unil.ch
- Phone: 021 692 40 10
- Office: every morning (9am - 11.30am)
- Mail: Ecole de biologie
  Quartier Unil-Sorge
  Amphipôle - bureau 312
  CH - 1015 Lausanne
Registration to courses and exams

Registrations

Why:
- access to the course media/aids
- verification of student number for each course
- communication from the School of Biology office or professors

Deadline: September 19 to October 15, 2017
then during 2 weeks with a fine of 200.-

Access: www.unil.ch/ecoledebiologie
Masters > Study programmes > Registrations
Welcome to Masters Students in Biology – September 19, 2017

Registration for courses and exams

For students following a Bachelor or Master curriculum in the School of Biology, the registration for courses is mandatory and can be done via the Internet from the link below, within the periods set by the School of Biology at the beginning of semester. Outside of these periods, registration is not possible.

Make sure that you have activated your UNIL email address.

<<< REGISTRATIONS for courses and exams >>>

Deadlines

Autumn semester:
- September 19 to October 15, 2017: Registration for courses and exams of the autumn semester
- October 15 to 29, 2017: Withdrawal for exams of optional courses of the winter session

Spring semester:
- February 19 to March 18, 2018: Registration for courses and exams of the spring semester
- March 19 to April 05, 2018: Withdrawal for exams of optional courses of the summer session

The School of Biology does not accept any registration, amendment or withdrawal outside of the registration periods.
Welcome to Masters Students in Biology – September 19, 2017
# Ecole de biologie (FBM-BIO)

Voici la liste des services à votre disposition et leur état...

<table>
<thead>
<tr>
<th>Service</th>
<th>Période d'ouverture</th>
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<tr>
<td><strong>Inscription aux enseignements</strong></td>
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Dernière: 20.03.2017-02.04.2017  
Prochaine: 16.10.2017-29.10.2017
Maîtrise universitaire ès Sciences en biologie médicale (2017 ->)

BM : Modules 1 et 2 (Obligatoire)

Module 1 : Enseignements obligatoires et optionnels (Obligatoire)
Module 2 : Travail d'initiation à la recherche (Obligatoire)

Suggestions et remarques: biologie-etudiants@unil.ch (Ecole de biologie (FBM-BIO))
Beware: Your have NOT completed your registration until you have reached the confirmation page.
Registration to optional courses

MSc BEC : choose optional courses for a total of 6 ECTS

MSc BEC – BEE : choose optional courses for a total of 5 ECTS

MSc BEC – CEE : all courses are compulsory

MSc MLS : choose optional courses for a total of 9 ECTS
Maîtrise universitaire ès Sciences en biologie médicale (2017 - >)

BM : Modules 1 et 2 (Obligatoire)

Module 1 : Enseignements obligatoires et optionnels (Obligatoire)

Module 2 : Travailler d’initiation à la recherche (Obligatoire)

Suggestions et remarques: biologie-etudiants@unil.ch (Ecole de biologie (FBM-BIO))
Attention : tant que vous n'accédez pas à la confirmation, aucune inscription n'est prise en compte. En cas de problème, veuillez contacter votre faculté durant les périodes d'inscription.

Module 2 : Travail d'initiation à la recherche

Première inscription aux enseignements pour le semestre 2017A

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<tr>
<th>Type</th>
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<th>Evaluation</th>
<th>Inscription précédente</th>
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Evaluation: P = Pratique.

Suggestions et remarques: biologie-étudiants@unil.ch (Ecole de biologie (FBM-BIO))
Don’t forget to request an UNIL e-mail!

**Confirmation d’inscription aux enseignements**

**Semestre 2017A**

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<tr>
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<td>Travail d’initiation à la recherche</td>
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Selon les conditions fixées par votre faculté, vous pouvez avoir l’obligation d’imprimer votre confirmation d’inscription. Si vous ne modifiez pas vos inscriptions, cette confirmation constitue une preuve.

[Email de confirmation suivi de logout]

Suggestions et remarques: [biologie-etudiants@unil.ch](mailto:biologie-etudiants@unil.ch) (Ecole de biologie (FBM-BIO))
When you are registered to a course you are registered for its exam!
Registration for First-step and Master thesis projects

The database
• Projects are offered by UNIL project Directors
• Contact and visit different host laboratories
• First-Step and Masters thesis in two different laboratories

Project selection
• First-step : 1 choice to make
• Master thesis project : 3 choices to make

Access : website : www.unil.ch/ecoledebiologie
          for student > Master Research project
          > Project selection & registration (for students)
Welcome to Masters Students in Biology – September 19, 2017

You are a student

You will find here information and advice to ensure that your studies proceed smoothly.

Bachelor
- Schedule
- Study plans
- Registrations
- Exam

Devenez Mentor (in French only)

Etudes indépendantes (in French only)

Master
- Schedule
- Study plans
- Registrations
- Exam

Master Research projects

Masters websites:
Research project: First-step & Master research project

Objectives

Description

Project selection & registration (for students)

First-step and Master thesis projects are offered by the UNIL project Directors. The project registration is compulsory and is made via the SwiXtAcad database.

Outside the following periods, the access to the database is not possible.

<table>
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<tr>
<th>Research projects</th>
<th>Projects consultation</th>
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<td>November 1st to 15, 2017</td>
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WARNING: for a Master thesis projects outside of UNIL, the deadline is November 15th.

* During this period, students have the opportunity to contact and visit different host laboratories to help them to make their choice.

First-step project and the Masters thesis project must be undertaken in two different laboratories.

Consultation and registration to research projects:

Procedure: step by step procedure for students

Access to the database: Registration to research projects
### Contact

**Last name:** Portal, \_t  
**First name:** Etienne  
**Address:** **Adresse invalide**  
Madame  
Etienne Portal, t  
1000 Luxembourg  
etienne.portal@unil.ch

### First-step projects

#### Master category / Department

<table>
<thead>
<tr>
<th>Master specialisation or track and/or by department/service</th>
<th>Choice by Master specialisation or track and/or by department/service</th>
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#### Director

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### Director

**Projects**

- **Total:** 115 result(s) found(s)
- **Subject area:** 43 result(s) found(s)
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<td>de Castro Abrantes</td>
<td><a href="mailto:Haiss.Kaiser.Abrantes@unil.ch">Haiss.Kaiser.Abrantes@unil.ch</a></td>
<td>6257</td>
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<td>Introduction: Lactate release from astrocytes is known to be used by neurons as a metabolic fuel. Besides its metabolic role, lactate is also an agonist for a novel receptor named hydroxycarbonyl acid receptor 1 (HCA1R). We showed that the activation of HCA1R modulates the activity of cortical neurons through the activation of the G&lt;sub&gt;i&lt;/sub&gt;-dependent pathway. However, the level of expression of HCA1R in astrocytes and its precise localization is unclear. Aim of the project: The aim of this project is to assess the level of expression and localization of HCA1R in astrocytes. Study of the expression of HCA1R in astrocyte primary cultures obtained from: - A reporter mouse line expressing a red protein (mRFP) under the promoter of HCA1R. - An HCA1R knockout mouse line. - A HCA1R wild-type mouse line. Experimental approach:</td>
<td><a href="https://www.fim.unil.ch/dnf/group/imaging-the-nuroglia-metabolism-interplay">https://www.fim.unil.ch/dnf/group/imaging-the-nuroglia-metabolism-interplay</a></td>
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Register a First-step project
(Open from 11.09.2017 to 01.10.2017 for 17/18)

Contact
Last name: Portal
First name: Etuflameb
Address: Adresse invalide
Magazine
Etuflameb Portal t
1000 Lausanne
etutflameb@gmail.com

First-step projects

My inscriptions: No result found

<table>
<thead>
<tr>
<th>Department/Service</th>
<th>BEC</th>
<th>BEE</th>
<th>BEI</th>
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To register:
click on the title in red

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<tr>
<th>Project Code</th>
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<td>Evaluation of the lactate receptor expression pattern in astrocytes</td>
<td>Introduction: Lactate release from astrocytes is known to be used by neurons as a metabolic fuel. Besides its metabolic role, lactate is also an agonist for a novel receptor named hydroxycarboxylic acid receptor 1 (HCA1R). We showed that the activation of HCA1R modulates the activity of cortical neurons through the activation of the Gi-dependent pathway. However, the level of expression of HCA1R in astrocytes and its precise localization is unclear. Aim of the project: The aim of this project is to assess the level of HCA1R in astrocytes and its precise localization is unclear.</td>
<td><a href="https://www.fbm.unil.ch/dfn/group/imaging-the-neuroglia-metabolic-interplay">https://www.fbm.unil.ch/dfn/group/imaging-the-neuroglia-metabolic-interplay</a></td>
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## First-step and Master thesis deadlines

### Deadlines

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<th>Research projects</th>
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<th>Projects registration</th>
<th>Choices to make</th>
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<td>Master</td>
<td>September 19 to November 15, 2017</td>
<td>November 1st to 15, 2017</td>
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### Information

- [www.unil.ch/ecoledebiologie](http://www.unil.ch/ecoledebiologie)
- For student > Master Research project

### Step-by-step procedure

Information about the projects selection on the database

### Guide to research work for the Master of Science in Biology

- Everything about the research work
- Appendix II to get an overview of the process
Master project outside of UNIL
(Switzerland or abroad)

Student has to file an application to the School of Biology, that must include:

- The registration form
- The CV of the external Director (if never coached a student before)
- The project description form
- A motivation letter

Deadline:

- By November 1, 2017 (Give your complete application to the School of Biology)

Your application will be analysed by the Council of the School of Biology

You will also have to indicate your 3 preferred Master projects on the UNIL database.

Information: [www.unil.ch/ecoledebiologie > for student > Master Research project > Your Master research project outside of UNIL](www.unil.ch/ecoledebiologie > for student > Master Research project > Your Master research project outside of UNIL)
Summary of registrations for autumn semester

Courses and exam:
• September 19 to October 15, 2017

First-step project:
• September 19 to October 1, 2017

Master project:
• November 1 to 15, 2017

Master project outside of UNIL:
• until November 1, 2017

Withdrawal for exams registration of optional courses:
• October 16 to 29, 2017

Each deadline is announced by an email from the School of Biology

On the UNIL database

biologie-etudiants@unil.ch
To help you get through the process: Mentoring by

**MSc BEC**
- Arianna Rusca (BEC)
- Giulia Perroux (BEE)

**MSc MB**
- Charline Carron
- Pauline Depierre
- Philippe Fuchs
- Kyllian Ginggen
- Bastien Haym
- Melina Lopez Sciarra
- Quentin Pasquer

**MSc MLS**
- Christele Aubry
- Tess Bonato
- Ludivine Brandt
- Augustine Jaccard
- Lucien Roesch
- Alice Wallef
- Alicia Zufferey
Mentoring will help you

• to achieve step by step all administrative procedures necessary for the success of your studies (registration for courses and examinations, registration for the Master's thesis...)

• to identify the various campus services available to UNIL students:
  • Social Affairs and Student Mobility Office (SASME)
  • Careers and Counselling Service (SOC)
  • Admissions Service...

• with your questions

The School of Biology is also at your disposal for any help.
Feel free to contact us: biologie-etu@unil.ch
The Careers and Counselling Service can help you to prepare your professional transition

- Permanences: CV check, counselling to find your own career path, etc...

- Workshop for job description, job interview... (each semester)

- Database for internships: UNISTAGES

www.unil.ch/perspectives
2017 cérémonie d'ouverture des cours & remise des prix

Faculté de biologie et de médecine
Jeudi 21 septembre 2017, 17h15 | Auditoire César Roux | CHUV | Lausanne

www.unil.ch/fbm
Now, for Master-specific informations

MSc MB – Amphipôle 189.1
MSc BEC – Amphipôle 336
MSc MLS – Biophore 2917.2
Questions ?