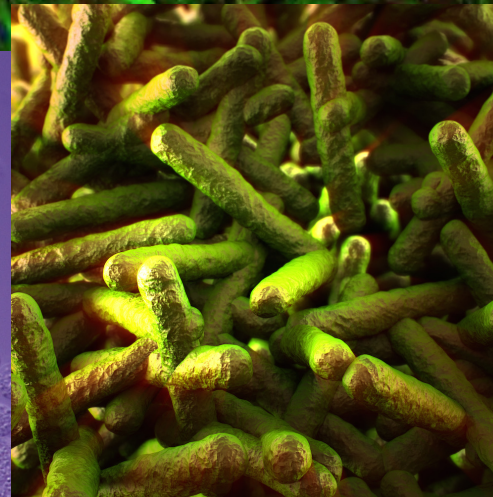
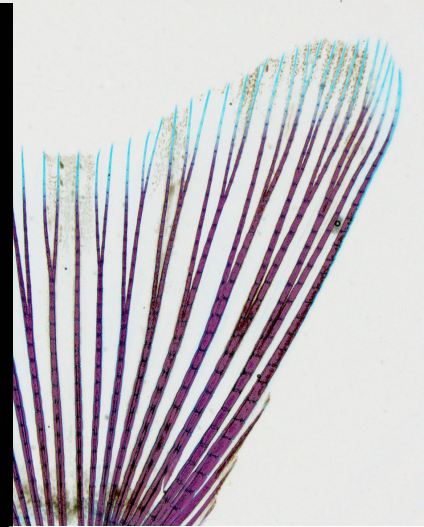
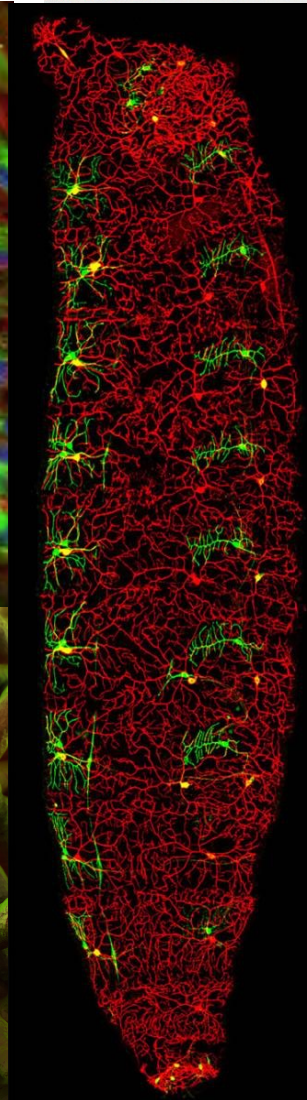
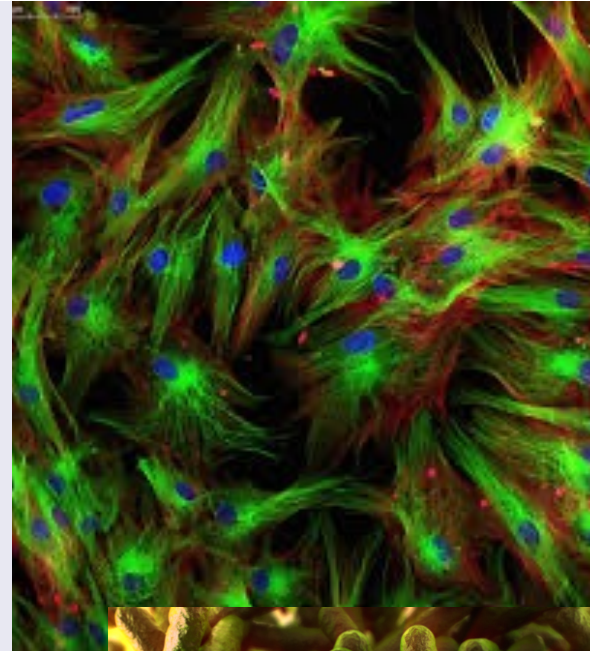
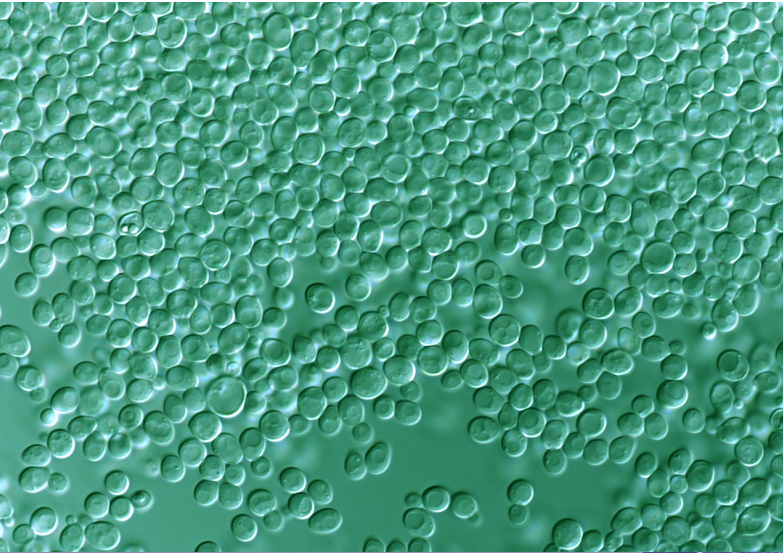


Welcome to the Master studies in Biology



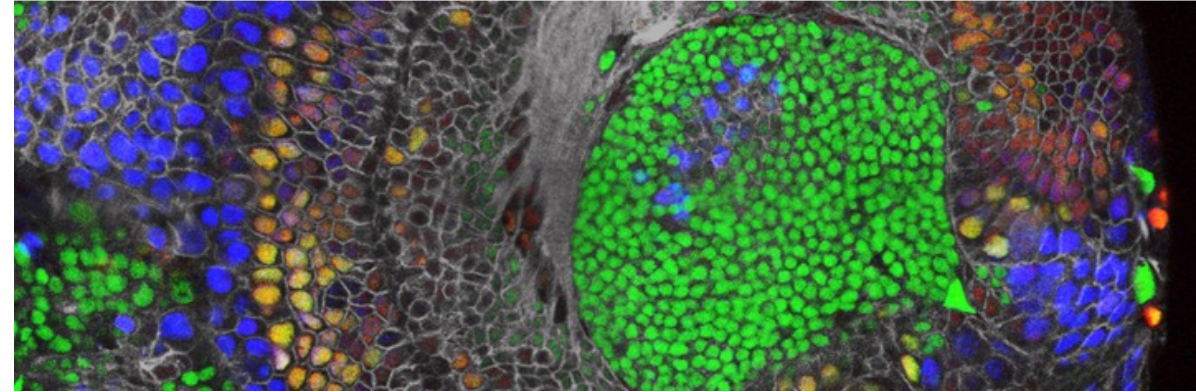
Biology Master programs at UniFr

Research MSc in Molecular Life and Health Sciences, 120 ECTS
Master thesis 60 ECTS

Teaching MSc in Molecular Life and Health Sciences, 90 ECTS
Master thesis 45 ECTS

Research MSc in Environmental Biology, 120 ECTS
Master thesis 60 ECTS

Teaching MSc in Environmental Biology, 90 ECTS
Master thesis 45 ECTS





Master in Molecular Life and Health Sciences

Molecular mechanisms govern the fate and the function of every cell, from archaea living in the remotest trench in the ocean, to the highly connected cells of our brain. Interestingly, cells of various origins share common genes, and therefore use similar proteins and molecular pathways. These can be explored in a variety of model organisms and cultured cells, which you will discover in this exciting Master programme that bridges fundamental molecular science and potential applications to understanding human health and disease.

The Department of Biology of the Faculty of Science and Medicine offers a multidisciplinary study programme leading to the degree of

Master of Science in Molecular Life and Health Sciences

with four research options.

The programme consists of **120 ECTS credits** and corresponds to **24 months of full-time study**.

Students aiming at becoming **high school teachers** and having to acquire 30 additional ECTS credits in a different study domain, can choose the **option "Teaching"** consisting of 90 ECTS (18 months).

Available options

1. [Developmental Biology and Regeneration](#) | 120 ECTS
2. [Neurobiology](#) | 120 ECTS
3. [Biochemistry and Cell Biology](#) | 120 ECTS
4. [Marine Biology](#) | 120 ECTS
5. [Teaching](#) | 90 ECTS

Degree Conferred

Master of Science in Molecular Life and Health Sciences

Language(s) of Study

English

Programme Structure

120 ECTS credits

4 semesters full-time

or

90 ECTS credits

3 semesters full-time

Programme Start

September or February

Student Advisor

Dr Alessandro Puoti

bio-scimed@unifr.ch

Additional Information

→ [Regulations](#)

[Apply for Admission](#) →





Master in Environmental Biology

Major environmental problems, in particular global change and its consequences for biodiversity and ecosystem functioning, are intimately interconnected and pose a threat to our future. Solving these problems requires an integrative and synergistic approach in terms of both fundamental and applied research.

The Department of Biology of the Faculty of Science and Medicine offers a multidisciplinary **Master of Environmental Biology**. The program ranges from fundamental concepts in **ecology and evolution, molecular aspects of plant and microbial sciences to applied solutions for environmental policies and sustainable development**. It provides students with state-of-the-art training and background in conceptual, technical, and applied aspects of environmental biology, from genes to ecosystems.

Master students are integrated into active research teams and can thus gain extensive experience in basic and applied academic research in environmental biology. Students will have the opportunity to choose between four options. English is the official language for all activities.

Available options

1. [Ecology and Evolution](#) | 120 ECTS
2. [Plant and Microbial Sciences](#) | 120 ECTS
3. [Applied Environmental Biology](#) | 120 ECTS
4. [Teaching](#) | 90 ECTS

Degree Conferred

Master of Science
in Environmental Biology

Language(s) of Study

English

Programme Structure

120 ECTS credits
4 semesters

or

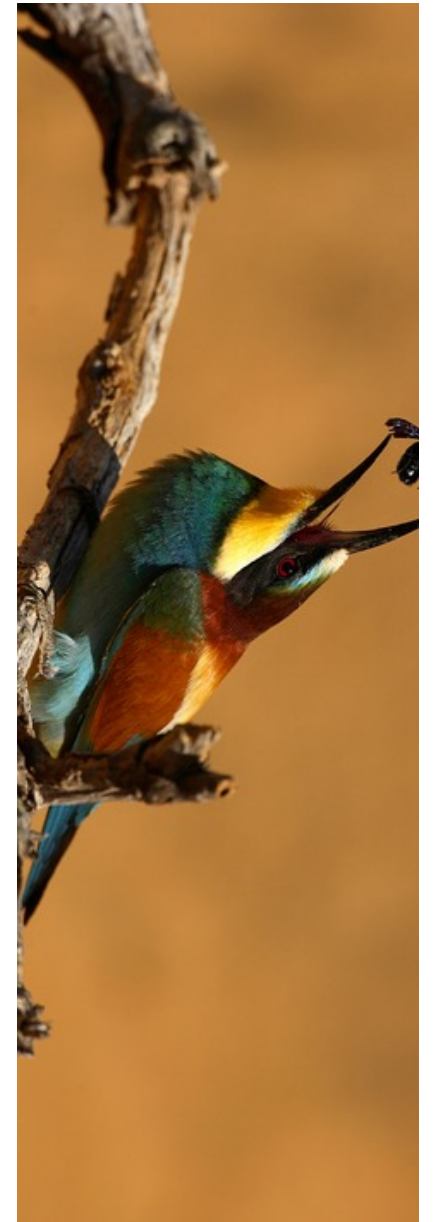
90 ECTS credits
3 semesters full-time

Programme Start

September or February

Student Advisor

Dr Alessandro Puoti
bio-scimed@unifr.ch



Study plans/Curricula

Curriculum for the award of the Degree of

Master of Science in Environmental Biology

options:

- Ecology & Evolution
- Plant & Microbial Sciences
- Applied Environmental Biology
- Teaching

Accepted by the Faculty of Science and Medicine on 26.04.2021

For every option:

- Compulsory courses* 37.5 / 50 ECTS
- Recommended / Elective courses 7.5 / 10 ECTS
- Thesis related activities
- **Master thesis 45 / 60 ECTS**

* Check table the end of the study plan

<https://www.unifr.ch/scimed/en/plans>

Study plans/Curricula

Curriculum for the award of the Degree of

Master of Science in Molecular Life and Health Sciences

options:

- Developmental Biology and Regeneration
- Neurobiology
- Biochemistry and Cell Biology
- Marine Biology
- Teaching

Accepted by the Faculty of Science and Medicine on 26.04.2021

For every option:

- Compulsory courses*
- Recommended / Elective courses 36.5 / 49 ECTS
- Thesis related activities 8 / 11 ECTS

- Master thesis 45 / 60 ECTS

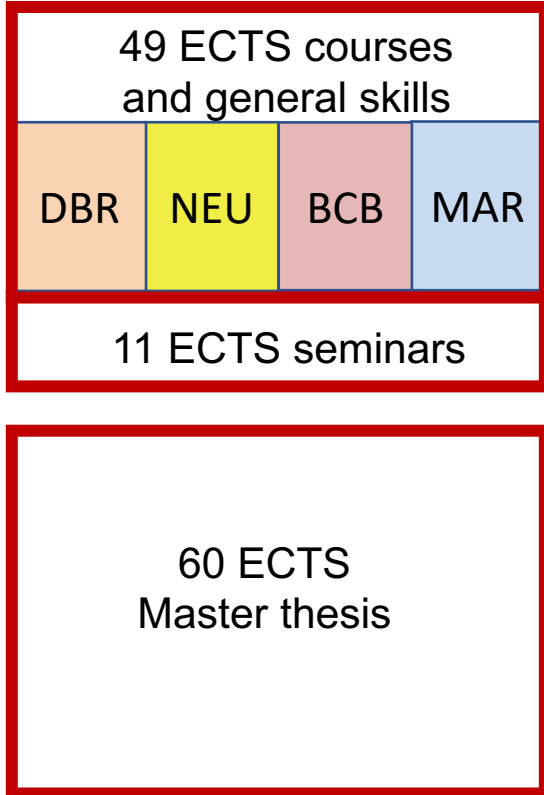
* Check table the end of the study plan

<https://www.unifr.ch/scimed/en/plans>

Structure of Biology MSc Programs

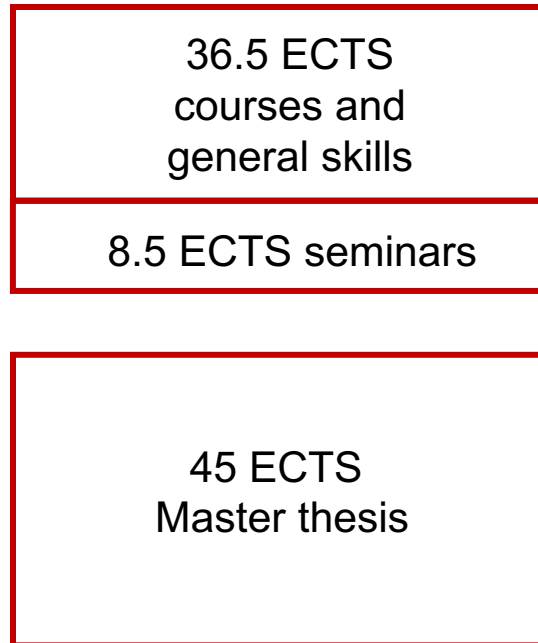
MSc in Molecular Life and Health Sciences

4 options
120 ECTS



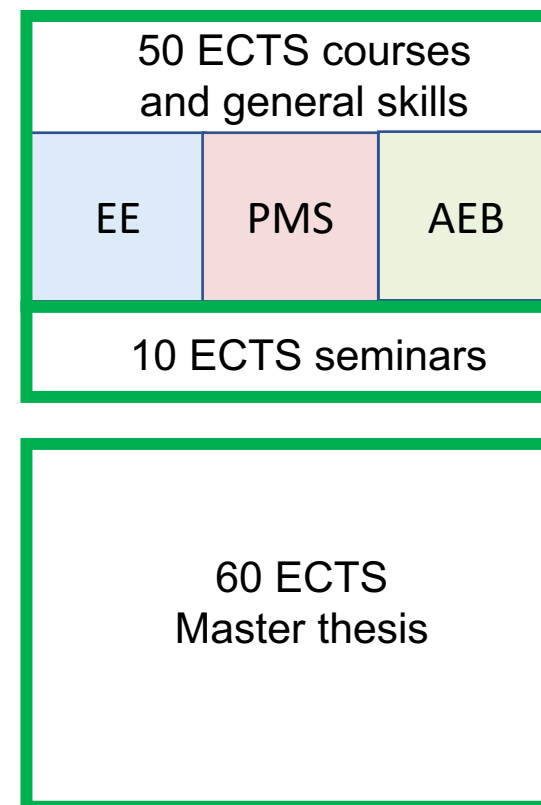
MSc in Molecular Life and Health Sciences

Teaching
90 ECTS



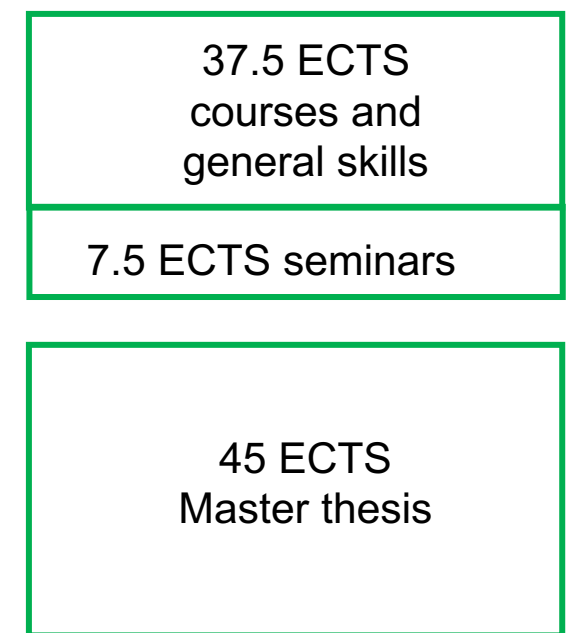
MSc in Environmental Biology

3 options
120 ECTS



MSc in Environmental Biology

Teaching
90 ECTS



DBR : Developmental Biology and Regeneration

NEU: Neurobiology

BCB: Biochemistry and Cell Biology

MAR: Marine Biology

EE : Ecology and Evolution

PMS: Plant and Microbial Sciences

AEB: Applied Environmental Biology

General skills

SBL.00501	Introduction to data analysis	(Fall, 1 ECTS)
SBL.30001	Introduction to R	(Fall, 2 ECTS)
SBL.00427	Visual communication of data	(Spring, 1 ECTS)
SBL.20005	Critical reading	(Fall/Spring, 3 ECTS)
SBL.00410	Scientific writing	(Fall, 3 ECTS)
SBL.20001	Biostatistics I	(Fall, 3 ECTS)
SBL.20002	Biostatistics II	(Fall, 3 ECTS)

Technical skills

SBL.00125	Light and fluorescence microscopy	(Fall, 3 ECTS)
SBL.20003	Methods in plant pathogen interactions	(Fall, 2 ECTS)
SBL.20004	Introduction to metabolomics	(Spring, 2 ECTS)
SBL.00451	Introduction to mass spectrometry and proteomics	(Fall, 1 ECTS)
SBL.00452	Advanced quantitative proteomics	(Spring 2 ECTS)
SBL.06002	Classical models in biology (with exercises)	(Fall, 3 ECTS)
SBC.04203	Genotyping	(Fall, 2.5 ECTS)
SBC.07110	Introduction to UNIX and BASH	(Fall, 2.5 ECTS)
SBC.07107	Bioinformatics	(Fall, 3 ECTS)
SBL.05001/2	Master thesis	(45 / 60 ECTS)

MSc in Molecular Life and Health Sciences					
AUTUMN SEMESTER 2023					
Options Developmental Biology and Regeneration; Neurobiology; Biochemistry and Cell Biology; Marine Biology; Teaching					
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8.15 - 9.00	SBL.00501 (w.4 WD)	SBL.00115 (w. 5-8)	SBL.00501 (w.4 WD)	SBC.04202 (w.9-14)	SBL.00125 (w.11-12 WD)
9.15 - 10.00	SBL.30001 (w.5-6 WD)	SBL.00114 (w.1-4)	SBL.30001 (w.5-6 WD)		
10.15 - 11.00	SBC.07110 (w.1-2 WD)	SBL.00115 (w.5-8)	SBC.07107 (w.8-10 WD)	SBL.20001 or SBL.20002 (w. 6-14)	SBL.00453 (w.2-10)
11.15 - 12.00	SBC.07107 (w.8-10 WD)	SBL.00130 (w.9-13)	SBL.00125 (w.11-12 WD)		SBL.00125 (w.11-12 WD)
12.00 - 13.15			SBL.00431 SBL.00432		
12.00 - 13.15			SME.05001		
13.15 - 14.00	SBL.10105 (except w. 1, 2, 11, 12)	SBL.00117		SBL.30001 (w.5-6) SBL.00451 (w.10) Reserved for <i>topical courses</i> * SBL.00411 SBL.00412 SBL.00414 SBL.10006 SBL.10008	SBL.30001 (w.5-6) SBL.00451 (w.10) Reserved for <i>topical courses</i> * SBL.00411 SBL.00412 SBL.00414 SBL.10006 SBL.10008
14.15 - 15.00					
15.15 - 16.00		SBL.00119			
16.15 - 17.00					
17.15 - 18.00					
18.15 - 19.00					

Topical courses* : refer to **moodle page SBL.04000 for details

w: week of the semester. If not specified, whole semester. WD : whole day

SBC.04203 block course: schedule will be arranged with the participants

Block courses SBL.00118; SBL.10009; SBL.30004 are not shown in this weekly schedule

HPC: Introduction to High-Performance Computing (UniBe) please see <https://www.philnat.unibe.ch/> given on week 3 and week 4 (Wednesday 4 and 10 October, 9.15-17.00)

This course is also named "HPC and cloud computing", code 46747 HS2023

Master in Environmental Biology - Autumn semester - Overview

	Block courses Monday	Weekly courses Tuesday	Block courses Wednesday	Weekly courses Thursday	Weekly/Block courses Friday
8h15 – 9h	<i>Introduction to R</i> SBL.30001 Weeks 1 to 2 – whole day		<i>Introduction to R</i> SBL.30001 Weeks 1 to 2 – whole day		
9h15 – 10h		Scientific writing SBL.00410 (9h15 to 11h – weeks 1, 2, and 14)		Introduction to data analysis SBL.00501 Weeks 1 to 5	
10h15 – 11h	<i>Introduction to UNIX and BASH</i> SBC.07110 Weeks 4 to 5 – whole day	<i>in alternance with</i> Critical reading SBL.20005 (10h15 to 11h)	<i>Introduction to UNIX and BASH</i> SBC.07110 Weeks 4 to 5 – whole day	Biostatistics I - generalized linear models and mixed effects models SBL.20001 <i>in alternance with</i> Biostatistics II - multivariate analysis SBL.20002 Weeks 6 to 14	Principles of environmental ethics (advanced) SSE.00433
11h15 – 12h	<i>Bioinformatics (practical + in silico)</i> SBC.07107 Weeks 8 to 10 – whole day	Seminars in Biology SBL.00431 & SBL.00432	<i>Bioinformatics (practical + in silico)</i> SBC.07107 Weeks 8 to 10 – whole day		
12h15 – 13h	Light and fluorescence microscopy for Life Sciences SBL.00125 Weeks 11 to 12 – 8h15 to 12h and 13h15 to 17h		Light and fluorescence microscopy for Life Sciences SBL.00125 Weeks 11 – 8h15 to 12h and 13h15 to 17h		Light and fluorescence microscopy for Life Sciences SBL.00125 Week 11 – 8h15 to 12h and 13h15 to 17h
13h15 – 14h		Methods in plant pathogen interactions SBL.20003		Global change SBL.20036 <i>in alternance with</i> Invasion biology SBL.20037	In vivo biochemistry: visualization of transport SBL.20039 Weeks 1,2, 7, and 8 – 13h15 to 16h
14h15 – 15h			Organization and annotation of Eukaryote genomes SBL.30004 Weeks 5 to 10 – whole day		
15h15 – 16h				Research Seminars in Environmental Biology SBL.20081 & SBL.20082	
16h15 – 17h					
17h15 – 18h				Introduction to mass spectrometry and proteomics SBL.00451 Week 13, 13h15 to 18h	Introduction to mass spectrometry and proteomics SBL.00451 Week 13, 13h15 to 18h

Legend:

Obligatory courses for at least one of the four options are in **roman**

Recommended courses are in *italic*

Colour:

Research skills

Scientific core courses

Thesis related activities

Note that in case of discrepancy with the official [TimeTable](#), the latter is authoritative

Note that the **Topical courses** are not included (usually on Thursday and Friday afternoon): see [Moodle page SBL.04000](#)

Recommended topical courses:
Signalling and Transport
SBL.00411

Lecture support

Moodle: <https://moodle.unifr.ch/>

SBL.00501 - Introduction to data analysis [AS 22]

[Home](#) / [Courses](#) / [SBL.00501 - Introduction to data analysis \[AS 22\]](#) / [Enrol me in this course](#) / [Enrolment options](#)



Enrolment options

SBL.00501 - Introduction to data analysis [AS 22]



Teacher: [Rudolf Philippe Rohr](#)

This course aims at teaching basic knowledge in data management and analysis. Specifically, it introduces concepts such as dot-plot, box-plot, bar-plot, histogram, mean, standard deviation, population and samples, standard error, 95% C.I., logarithmic scale, pseudo-replication, and a short introduction to statistical testing (p-value, t-test, ANOVA).

Self enrolment (Student)

No enrolment key required.

[Enrol me](#)

Block courses and topical courses

Moodle page SBL.04000 (SA23-SP24)

You can also find the information for a specific course on

Timetable: <https://www.unifr.ch/timetable/en/>

MSc in Molecular Life and Health Sciences Master programme

MSc in Environmental Biology

Topical courses are given by external speakers on Thursday and Friday afternoon.

Block courses are given over several days, once every year or every second year.

For the organisers: Before planning your course, please check if the dates are not already taken. In general, we do not show the rooms on this moodle page. Please refer to the courses on GeFri/Timetable.

Title	Code	Responsible	Semester	Timing	Topical course
Signalling and transport	SBL.00411	Geisler	Autumn	2 afternoons	yes
Introduction to protein function and structure	SBL.00412	Falquet	Autumn	2 afternoons	yes
Cell fate and tissue regeneration	SBL.00414	Jazwinska	Autumn	2 afternoons	yes
Developmental biology of marine animal models (biennial)	SBL.10006	Sprecher	Autumn	2 afternoons	yes
Omics approaches in marine sciences (biennial)	SBL.10008	Sprecher	Autumn	2 afternoons	yes
Introduction to mass spectrometry and proteomics	SBL.00451	Dengjel	Autumn	2 afternoons	yes
Cell proliferation	SBL.00415	De Virgilio	Spring	2 afternoons	yes
Biological rhythms	SBL.00416	Albrecht	Spring	2 afternoons	yes
Microbial metabolism and genetics	SBL.00418	Reinhardt	Spring	2 afternoons	yes
Advanced imaging	SBL.00419	Egger	Spring	2 afternoons	yes
Oceanography and marine ecosystems (biennial)	SBL.00421	Sprecher	Spring	2 afternoons	yes
Polar biology (biennial)	SBL.10007	Sprecher	Spring	2 afternoons	yes
Altered carbohydrate metabolism in disease	SBL.10010	Dengjel	Spring	2 afternoons	yes
Advanced quantitative proteomics	SBL.00452	Dengjel	Spring	2 afternoons	yes
BeFri research colloquium in cell and developmental biology I	SBL.00127	Egger	Spring	1 afternoon	no
BeFri research colloquium in cell and developmental biology II	SBL.00128	Egger	Spring	1 afternoon	no
Light and fluorescence microscopy	SBL.00125	Egger	Autumn	5 days, split	no
Established and emerging organisms for marine science	SBL.00126	Sprecher	Spring	10 days, block	no
BeFri research retreat in cell and developmental biology	SBL.00129	Egger	Spring	2 days, block	no
Advanced marine biology practical course	SBL.10009	Sprecher	Autumn	7 days, block	no

Location, dates and time of teaching units

Timetable: <https://www.unifr.ch/timetable/en/>



UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

Studies

Campus

Research

University

Faculties

Continuing Education

🏠 · Timetable

Course catalogue

Teacher, Lesson, code

sbl.00501

Days and hours

Filter by day

Filter by time

Semester

SA-2022 ✕

MASTER | SA-2022 | UE-SBL.00501

Introduction to data analysis

📅 Thursday 09:15 - 12:00 PER 07, Room 1.309

👤 Rohr Rudolf Philippe

🏛️ Faculty of Science and Medicine, Biology

🗣️ English

Location, dates and time of teaching units

Timetable: <https://www.unifr.ch/timetable/en/>

Introduction to data analysis

Introduction to data analysis

Teaching	Dates and rooms	Evaluation	Assignment
Details			
Faculty	Faculty of Science and Medicine		
Domain	Biology		
Code	UE-SBL.00501		
Languages	English		
Type of lesson	Lecture		
Level	Master		
Semester	SA-2022		
Title			
French	Introduction à l'analyse de données		
German	Einführung in die Datenanalyse		
English	Introduction to data analysis		
Schedules and rooms			
Summary schedule	Thursday 09:15 - 12:00, Hebdomadaire, PER 07, Room 1.309		
Contact's hours	12		

Teaching	Dates and rooms	Evaluation	Assignment
Date	Hour	Type of lesson	Place
22.09.2022	09:15 - 12:00	Cours	PER 07, Room 1.309
29.09.2022	09:15 - 12:00	Cours	PER 07, Room 1.309
06.10.2022	09:15 - 12:00	Cours	PER 07, Room 1.309
13.10.2022	09:15 - 12:00	Cours	PER 07, Room 1.309
20.10.2022	09:15 - 12:00	Cours	PER 07, Room 1.309

Plans

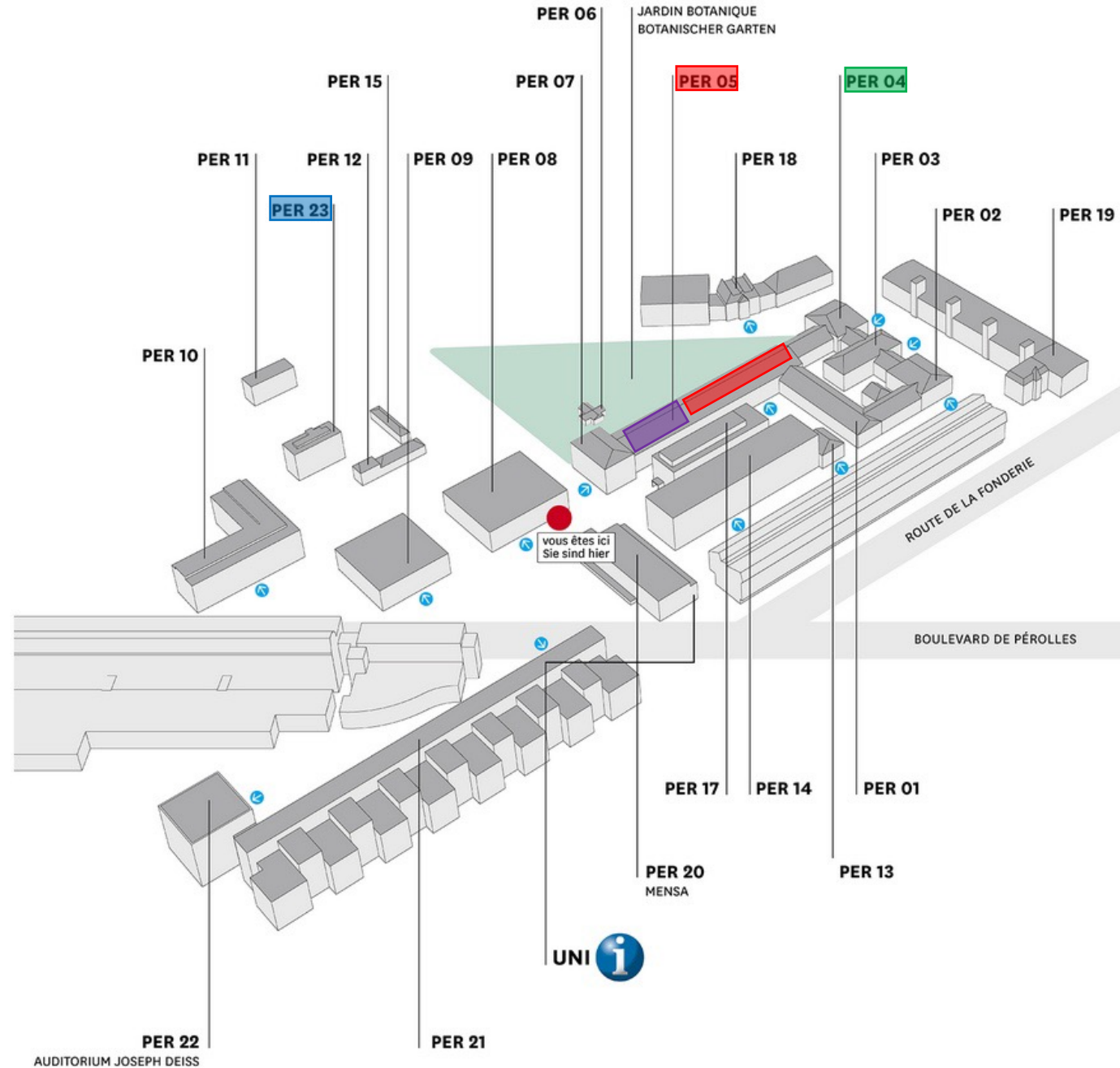
Site Miséricorde

Site Péroilles

Site Beauregard

Site Regina Mundi

Site Péroilles



PER 23 : Ecology and Evolution

PER 05 : Biochemistry

PER 05 : Zoology

PER 04 : Plant and Microbial Sciences

Additional important information

<https://www.unifr.ch/scimed/en/studies/practical/>

UNI FR UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

Faculty of Science and Medicine

Home News & Events Faculty Sections **Studies** Research Services


🏠 · Studies · Practical information

Studies


- Bachelor
- Master
- Doctorate
- Practical information**
- Study advisors
- Registration to courses and exams
- Transcripts and validations
- Reference persons
- Register a minor or change study field
- Student requests
- Complaints and Appeals
- Continuing education
- Teacher education
- Regulations and Curricula
- Mobility
- Frequently asked questions**

Practical information


Here, you will find information about registrations, validations, switching you study field, student requests, and complaint procedures.




Study advisors
Advice about study choices and organization as well as mobility.




Registration
Information about registration to classes, exams and minors.



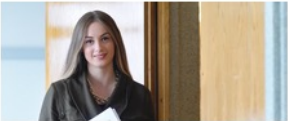
Attestations and Validations
Information on how to obtain transcripts and attestations, and how to validate credits.




Reference persons
Persons to contact with administrative questions about courses and exams



Register a minor or Change study field
Switching major or minor. Registering a minor



Student requests
Requesting recognition of previous studies or exemptions to curricula



Complaints and appeals
Appealing exam results or other decisions

Language courses



UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

Language Centre

Home Centre Language Courses Self-Learning Bilingue Plus Tests & Certificates

Language Courses Semester courses

Language Courses

Semester courses

Intensive Courses

Specific Course Law

Testimonials



Semester courses

Registration for students and employees Unifr

Language courses are open to students from all faculties **except**:

- auditors
- visiting students from other universities (also including BeNeFri), unless they are part of a Mobility Programme
- persons from outside the university (except [partner institutions](#))

[Admission requirements](#)

<https://www.unifr.ch/centredelanguages/en/courses/semester/>

Semester Courses

🌐 German, French, English, Italian

👥 Students and employees Unifr and [partner institutions](#)

📅 Weekly courses, during the semester

📈 A1 - C2

Autumn Semester 2023

Registration period: 04.09. - 01.10.2023

[Course Registration Information](#) →

📌 Students of the University of Fribourg can register directly via **MyUnifr**. For all other groups (employees of Unifr, employees and students of our [partner institutions](#)), course registration takes place via our website.

MSc Biology students often take:

**B2-C1 Academic English
for Master's Students:
Presentation, discussion
and team-working skills**

📅 19.09.2023 - 19.12.2023

🗣️ Séminaire

🗣️ English

NB. Only credits for English courses can be credited

Courses in Bern and Neuchâtel

BeNeFri

Presentation

The BeNeFri network, as the result of the collaboration between the Universities of Bern, Neuchâtel and Fribourg, allows you to attend courses at both partner universities. This way, you have the opportunity to follow a wide-range of courses and to discover student life at another university.

Legal basis

All the details are available in the BeNeFri [framework convention](#).

Registration

Registration to the BeNeFri network is possible for study fields mentioned in the annex to the framework convention.

For further information (study fields, courses, recognitions, etc.), please contact the faculty involved.

Registration requests to BeNeFri courses must be submitted on the [MyUnifr](#) portal within the following deadlines:

- Autumn semester: **30 September**
- Spring semester: **28 February**

! Registrations are valid for **one semester only**. You will therefore have to reregister for each semester if you wish to remain registered with the BeNeFri network.

Courses in Bern and Neuchâtel

E-account

- **Students coming to UniFR:**
Once the data exchange has taken place between the different universities (early October for the autumn semester and early March for the spring semester), you will receive an SMS from UniFR's IT Department regarding the activation of your e-account.
Enquiries or requests may be sent directly to the [IT-support](#).
- **Students attending UniBE or UniNE:**
The partner university is responsible for your electronic access.

Reimbursement of travel expenses

You can receive a reimbursement of your travel expenses by public transportation to the partner universities. To do so, please fill in the [form](#) and return it to the Office for Admissions and Registration. Only **full** applications submitted within the following **deadlines** will be considered:

- Autumn semester: **31 January**
- Spring semester: **30 June**

❗ You can benefit from the allowance only if you are **registered with the BeNeFri network** for the relevant semester.

❗ The UniFR participates in the reimbursement of travel tickets according to the following criteria:

- Value of a **2nd class half-fare** ticket
- Trips between Fribourg and Bern or Fribourg and Neuchâtel only

❗ In case of at **least 6 trips per semester** the UniFR participates in the expenses of a half-fare travel card or a GA travel card upon presentation of the receipt; the **SwissPass alone is not sufficient**.

Field courses in South Africa

- Maximum one course per student, 5 ECTS.
- Validation by passed/failed. Requires an oral presentation.
- You need to find a supervisor from our Department to serve as a referee, and to finance yourself.



THE DISCOVER EDEN SOUTH AFRICA ECOLOGY COURSE

2024 ECOLOGY COURSE DATES:

14 June to 02 July
12 July to 30 July
02 August to 20 August

ECOLOGY COURSE COST: \$3 490 - US Dollar / €3 200 - Euro



THE DISCOVER EDEN BIG 5 EXPERIENCE

2024 BIG 5 COURSE DATES:

14 June to 02 July
05 July to 23 July
26 July to 13 August

BIG 5 COURSE COST: \$3 490 - US Dollar / €3 200 - Euro



THE DISCOVER EDEN MARINE BIOLOGY COURSE

2024 MARINE BIOLOGY COURSE DATES:

07 June to 20 June
28 June to 11 July
19 July to 01 August

MARINE BIOLOGY COURSE COST: \$3 190 - US Dollar / €2 900 - Euro

Option Ecology and Evolution

Option Ecology and Evolution
Option Applied Environmental Biology

Option Marine Biology

NB: • the courses are not listed in the study plans.

• the courses are open only for the options listed above. Other restrictions might apply.

Why are you here

After the Bachelor, the Master is the second step in becoming a biologist

- Use the knowledge acquired during the Bachelor
- explore a more specialized topic
- switch from a passive to an active attitude
- independent and creative thinking
- learn how to communicate and present your results
- learn how to write a scientific paper in English
- learn how to have a critical approach of your and other's results
- organize yourself in planning experiments

The duration of a 90-ECTS Master in Biology is **3 semesters**, of which **1 year full-time** dedicated to the laboratory work

The duration of a 120-ECTS Master in Biology is **4 semesters**, of which **1.5 year full-time** dedicated to the laboratory work

Why are you here

The Master widens your job opportunities. Your next step might be in...

- getting a teaching diploma (maturity level)
- starting a PhD
- working or being trained in a pharmaceutical company
- working as a lab manager in an academic research laboratory
- working as a salesperson
- working in patent offices
- working in regulatory affairs
- becoming a medical analyst (FAMH)

Lecture SBL.00420 (spring semester) tells more about looking for, obtaining and preparing a job interview

Timeline (120 ECTS programmes)

Semester 1

- Take as many classes as possible (Master courses, complements)
- Start looking for a laboratory
- Follow the seminars (mandatory)

Semester 2

- Start the laboratory work
- Start organizing the written Master's thesis, literature searches
- Take the mandatory classes offered in the Spring semester
- Take complementary courses, if this applies
- Follow the seminars, give your first progress report

Semester 3

- Carry on your laboratory work. New questions? New perspectives?
- Read and organize the literature related to your thesis project
- Seminars: mandatory presentations (progress report, Journal club)
- Take additional classes

Semester 4

- Carry on and bring your laboratory work to an end
- Finish writing the thesis (50-100 pages)
- Take remaining classes
- Prepare and present the Master thesis (30 minutes).

Timeline (90 ECTS programmes)

Semester 1

- Take as many classes as possible (Master courses, minor)
- Start looking for a laboratory
- Follow some mandatory seminars

Semester 2

- Start the laboratory work
- Start organizing the written Master's thesis. Literature study.
- Take the mandatory classes offered in the Spring semester
- Take complementary courses
- Take courses for the 30-ECTS minor
- Follow the seminars, give your first progress report

Semester 3

- Carry on and bring your laboratory work to an end
- Read and organize the literature related to your thesis project
- Seminars: mandatory presentations (progress report, Journal club)
- Finish writing the thesis (50-100 pages)
- Take remaining classes, if this applies
- Prepare and present the Master thesis (30 minutes).

Final steps:

- 1) The Master thesis (SBL.05001/2) is carried out with the agreement of the group leader. There is NO circulation of the Master's thesis. The group leader gives the grade to Eirini Maikanti (50% lab work, 25% written thesis; 25% final presentation) on a signed document.
 - 2) Thesis-related activities must be entered into GeFri. To do this, prepare a sheet with the different teaching units and have it signed by your group leader (or the relevant teacher). Then transmit to Eirini Maikanti
 - 3) Semester fees: If you finish your Master thesis towards the end of a semester, make sure that you have acquired all remaining credits and that you have defended your Master thesis. Even if the correction of the Master thesis manuscript will take some time, you do NOT have to pay one more semester just to get the grade of the Master thesis entered.
 - 4) If you later realize that you want to repeat an exam, please pay your bill quickly. The principle is simple: as long as you want to take additional exams or acquire additional teaching, you must be registered.
 - 5) To submit the written Master's thesis: We are strict with the form of writing the summary. The writing of the Master thesis is under the responsibility of the group leader. No need to deliver a manuscript to the administration/department. Only to your group leader.
 - 6) Validation of the package: You validate your packages (courses, master thesis) when all 120 / 90 ECTS and all mandatory teaching units have been obtained
 - 7) Diploma ceremony: The deadline for obtaining the printed diploma is indeed strict: for the ceremony taking place in February, the deadline to pay for the credits is mid-December of the preceding year. Information about the graduation ceremony is under <https://www.unifr.ch/scimed/en/info/ceremonies>
- For those who have missed the deadline, an official certification of the credits earned and the completion of the Master can be obtained at any time with the dean's office.
- 8) You can exmatriculate once you have all the validated packages. This is especially useful when continuing at another university.

Delivery of the MSc thesis:

- Please follow the procedure as on:

[https://www.unifr.ch/scimed/en/studies/master-\(msc\)/master-thesis.html](https://www.unifr.ch/scimed/en/studies/master-(msc)/master-thesis.html)

Only one copy of the Master's thesis for the group leader.

Usually at this point, Master's thesis-related activities have been validated.

- Time considerations:

<https://www.unifr.ch/scimed/en/validate>

For the master thesis manuscript, the last version must be handed to the group leader **before** the beginning of the new semester, so no more corrections are possible. It is obviously not desirable to enter a grade in the following semester, but this is possible for the Master thesis.

But this way of doing things is fairer, because depending on the time a group leader takes to correct and grade the Master thesis, the students do not have to hand in their master's work too early in order to be sure not to have to pay for the next semester (some correct quickly – others correct slowly).

Thesis-related activities



MSc in Environmental Biology

Validation of Thesis-related activities

Option:

- Applied Environmental Biology**
- Ecology and Evolution**
- Plant and Microbial Sciences**
- Teaching** (*relevant codes are italicized in the table below*)

Student name:

Student N°:.....-.....-.....

Code	Title	ECTS	Validation date	Responsible or Group leader	Signature
SBL.20083 or <i>SBL.20084</i>	Research group meetings				
SBL.20081 or <i>SBL.20082</i>	Research seminars in environmental biology				
SBL.00431 or <i>SBL.00432</i>	Seminars in biology				

Student's signature:

Date:

In order to have the results entered into GeFri, please hand the printed and signed document to Eirini Maikanti.



MSc in Molecular Life and Health Sciences

Validation of Thesis-related activities

Option:

- Developmental Biology and Regeneration**
- Neurobiology**
- Biochemistry and Cell Biology**
- Marine Biology**
- Teaching** (*relevant codes are italicized in the table below*)

Student name:

Student N°:.....-.....-.....

Code	Title	ECTS	Validation date	Responsible or Group leader	Signature
SBL.10103 or <i>SBL.10104</i>	Research group meetings				
SBL.10105 or <i>SBL.10105</i>	Research seminars in molecular life and health sciences				
SBL.00431 or <i>SBL.00432</i>	Seminars in biology				
SBL.10100 or <i>SBL.10102</i>	Journal club in molecular life sciences				

Student's signature:

Date:

In order to have the results entered into GeFri, please hand the printed and signed document to Eirini Maikanti.

Most questions can be answered through the following documents/websites:

Study plans: <https://www.unifr.ch/scimed/en/plans/master>

Regulations: <https://www.unifr.ch/scimed/fr/rules/regulations>

If you have still not found your answer:

Masters in Biology:

Dr Alessandro Puoti (study advisor)

Department of Biology

Chemin du Musée 10

Laboratory **0.325** (PER05)

1700 Fribourg

alessandro.puoti@unifr.ch

MSc in Bioinformatics and computational biology, and related courses:

Prof. Daniel Wegmann (study advisor)

Department of Biology

Chemin du Musée 15

Office **1.03** (PER23)

1700 Fribourg

daniel.wegmann@unifr.ch

Department secretary

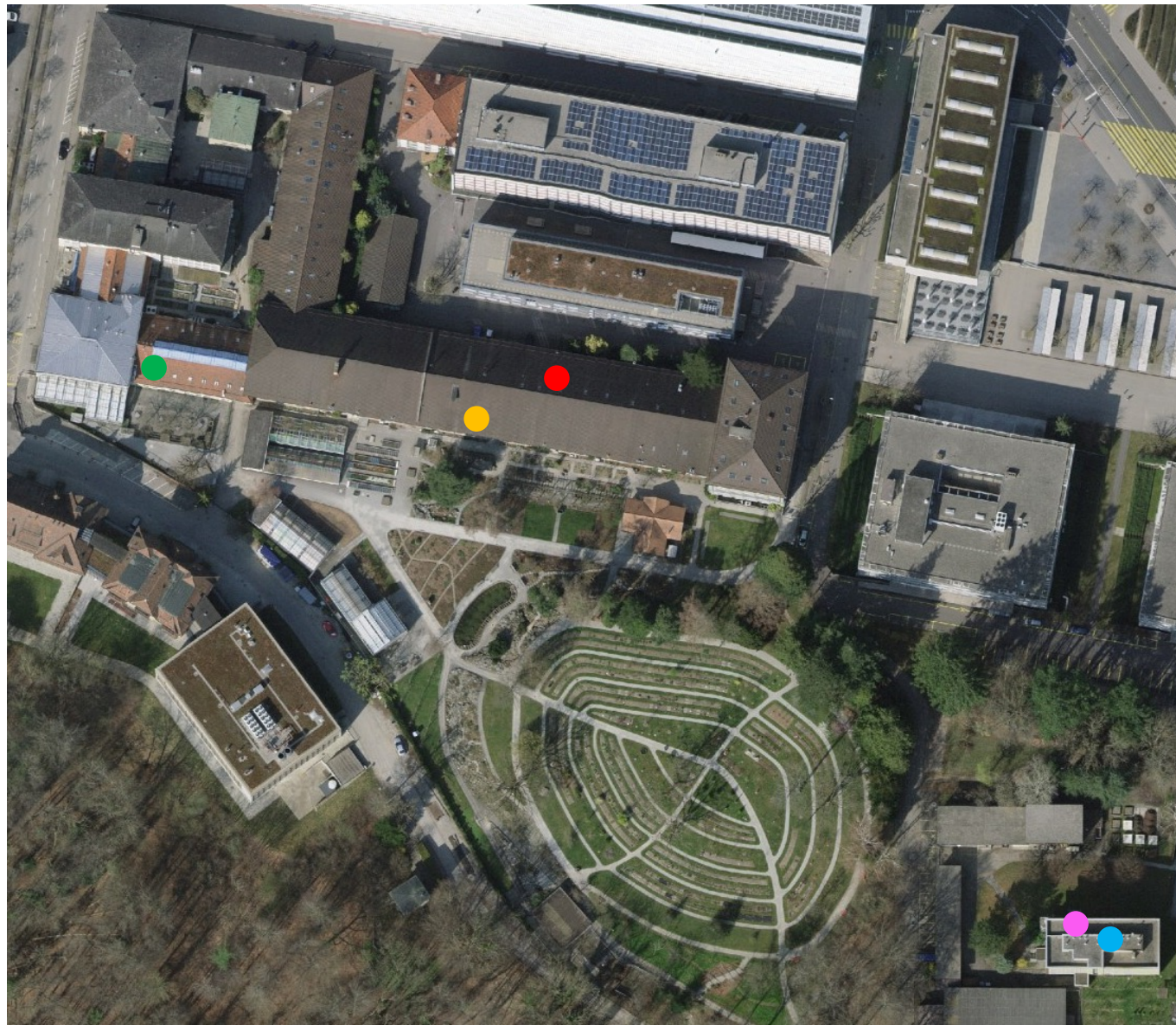
Mrs Evelyn Boll
Chemin du Musée 10
Office 0.334 (Per 05)
1700 Fribourg
evelyn.boll@unifr.ch

GeFri secretary

Mrs Eirini Maikanti
Route Albert-Gockel 3
Office 0.01 (Per 23)
1700 Fribourg
eirini.maikanti@unifr.ch

Communication /Events

Mrs Rachel Sauge
Route Albert-Gockel 3
Office 0.108 (Per 04)
1700 Fribourg
rachel.sauge@unifr.ch



VERY IMPORTANT: if haven't done this during the welcome event, announce yourself to Mrs Sauge in order to be on the mailing list. Please specify the Master and the option.