

COORDINATORS AND DIRECTORS

Master Graduate Program EvoBio
celine.poux@univ-lille.fr
pascal.touzet@univ-lille.fr

Mention BEE :
valerie.gentilhomme@univ-lille.fr
xavier.vekemans@univ-lille.fr

ADMINISTRATIVE STAFF

master-bee@univ-lille.fr,
03.20.43.68.40,
Building SN4 - office 001

APPLICATIONS

Master GP-EvoBio's capacity : 15 places in Master 1.

Recruitment calendar: opening from 02/03/20 to 20/04/20. Admissions will be released on 04/05/20.

Admission to the first year of the master's program is subject to the examination of candidates application. Candidates shall hold:

- a BSc (Licence) in Population Biology or equivalent,
- relevant theoretical knowledge and practical experience (previous academic program, skills acquired, academic level, internship ...)
- a motivation to study in an multicultural environment (international mobility...).
- good english skills (minimum scores for Toefl paper test 550; IELST:6.5; CEF Europass: B2)

International students must complete the Campus France procedure as soon as possible (campusfrance.org/en) for application to the Master and Student Visa.

Students with no Campus France agency and Europeans have to go through the university's application program e-candidat

<https://ecandidat.univ-lille.fr/>

RECRUITMENT CALENDAR

- Campus France: before 06/03/2020
- e-candidat: 02/03 to 24/04/2020

INTERNATIONAL RELATIONSHIP

- The University of Lille has a policy of supporting international access to its courses. That's why it has introduced special procedures to make international students feel welcome and form collaborations.

<https://www.univ-lille.fr/home/international-student/>

- Practical information for your stay at the University of Lille

<https://www.univ-lille.fr/home/international-student-tool-box/>



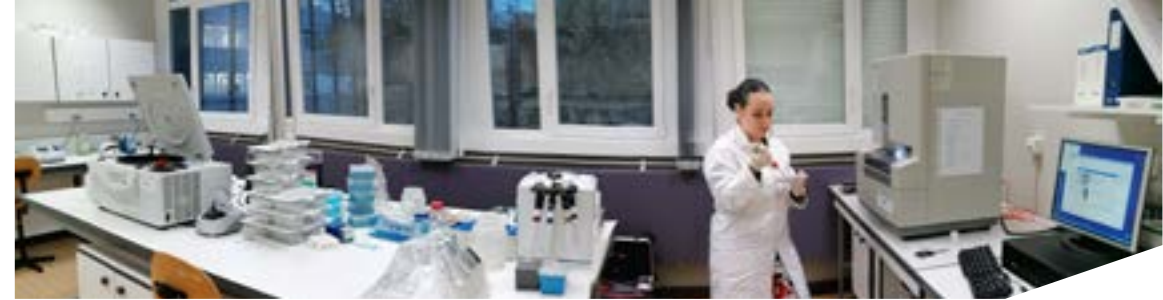
Mention

Biodiversity Ecology Evolution

EVOLUTIONARY BIOLOGY (GP-EVOBIO)



MASTER MENTION BIODIVERSITÉ ÉCOLOGIE ÉVOLUTION			
MASTER 1 - TRONC COMMUN		MASTER 1 GRADUATE PROGRAM Evolutionary biology (GP-EvoBio)	
MASTER 2 parcours Ecologie et restauration des milieux dégradés (ECOREMID)	MASTER 2 parcours Expertise naturaliste et gestion de la biodiversité (ENGB)	MASTER 2 parcours Fonctionnement et gestion des écosystèmes marins (FOGEM)	MASTER 2 GRADUATE PROGRAM parcours Evolutionary biology (GP-EvoBio)



OBJECTIVES

The Master Evolutionary Biology (EvoBio) is a new master of the Graduate program of Lille University. It is a two years (4 semester, 30 ECTS each) International Master's program taught in English and including a mobility in foreign universities.

The objectif of the course is to provide students with high-level knowledge and skills in Evolutionary Biology in order to potentially continue towards Doctoral studies.

JOB OPPORTUNITIES & FURTHER STUDIES

At the end of this training, students can apply for engineering-level positions, both in the public and private sectors, or for the preparation of a PhD thesis in France or abroad. The training, entirely taught in English, consists of courses, practical work and internships. Internships will be followed by a dissertation and a defence.

The Master EvoBio is organized by the Evolution, Ecology and Paleontology Lab (EEP).

The Master Evolutionary Biology (EvoBio) trains students to become: Researcher (after defending a thesis), Environmental engineer, Scientific mediator.

In sectors such as Public research establishments, environmental offices, natural museums, natural reserves, Bio-technological industries (sequencing, ...).

A MASTER DEGREE IN A STIMULATING SCIENTIFIC ENVIRONMENT WITHIN THE GRADUATE PROGRAM 'SCIENCE FOR A CHANGING PLANET'

- 22 laboratories included in excellence or high level programs
- 292 PhD students
- An interdisciplinary training from the master to the doctorate including an international environment, mobility and thematic summer schools.



TARGETED SKILLS

- to be expert in Evolutionary Biology and notably in population genomics, evolutionary genomics, statistics and modelling;
- to have a good understanding of ecological concepts, bioinformatic tools and NGS data management;
- to be well prepared to start a PhD thesis;
- to develop high skills in project management, intercultural communication, and be fluent in English.

TRAINING'S ORGANISATION

- The master GP-EvoBio is a 2 years course in English.

The course is organised around 4 blocks of knowledge and skills:

- BKS1- Knowledge on biodiversity at different scales and the functioning of natural and anthropized ecosystems**
- BKS2- Selection, development and application of tools dedicated to biological and ecological objects**
- BKS3- Design and management of projects in ecology and evolution**
- BKS4- Training valorisation to build a professional project**

The graduate program promotes international mobility: for all masters belonging to the Graduate Program, students have to spend part of the course abroad for a semester or during one of the research internships. To ensure that this mobility takes place in the best conditions, we are developing collaborations with others universities and grants are potentially available to help with the mobility costs.

Master 1 - Semester 1 (30 ECTS):

BKS1

- From genotype to phenotype
- Conservation genetics
- Evolutionary biology and population dynamics
- Introduction to Omics data

BKS2

- Statistics initiation with R
- Bioinformatics tools

BKS3 - English

BKS4 - Student project

Master 1 - Semester 2 (30 ECTS):

BKS1

- Theoretical modelling
- Ecology : from theory to experiments

BKS2

- Multivariate statistics
- Methods in ecology

BKS3 - Project management

BKS4

- Research in «global changes and biodiversity»
- Research internship

Master 2 - Semester 1 (30 ECTS)

BKS1

- Population genomics
- Evolutionary genomics
- Macroevolution

BKS2

- GLM Statistics
- Introduction to Bioinformatics

BKS3 - Bibliographic project

BKS4

- Scientific communication
- Research in «evolution of mating systems»

Master 2 - Semester 2 (30 ECTS)

BKS3 - Research Internship (5-6 months)

The teaching units can be shared with the other pathways of the mention Biodiversity Ecology and Evolution (BEE) and of the Graduate Program.

STRENGTH OF THE TRAINING

- High level of supervision and training
- A master degree in a stimulating scientific Environment within the Graduate Program 'Science for a changing planet' <http://www.isite-ulne.fr/index.php/fr/programme-gradue-science-pour-une-planete-en-mutation/>