

Share

Email destinataire :

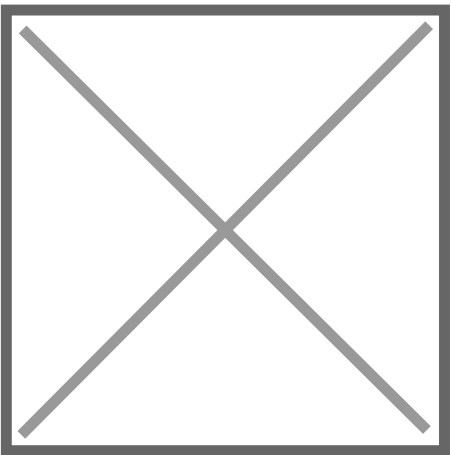
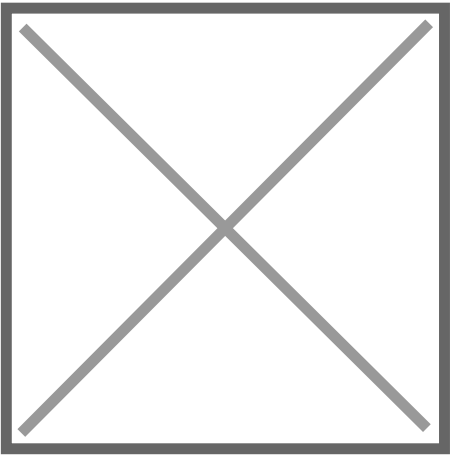
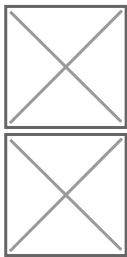
Vous devez renseigner un email valide

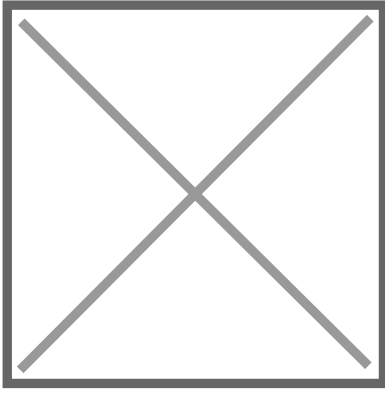
Envoyer

Une erreur est survenue. Merci de réessayer ultérieurement
Le mail de partage a bien été envoyé.

Add to Compare

M2 Reproduction and development





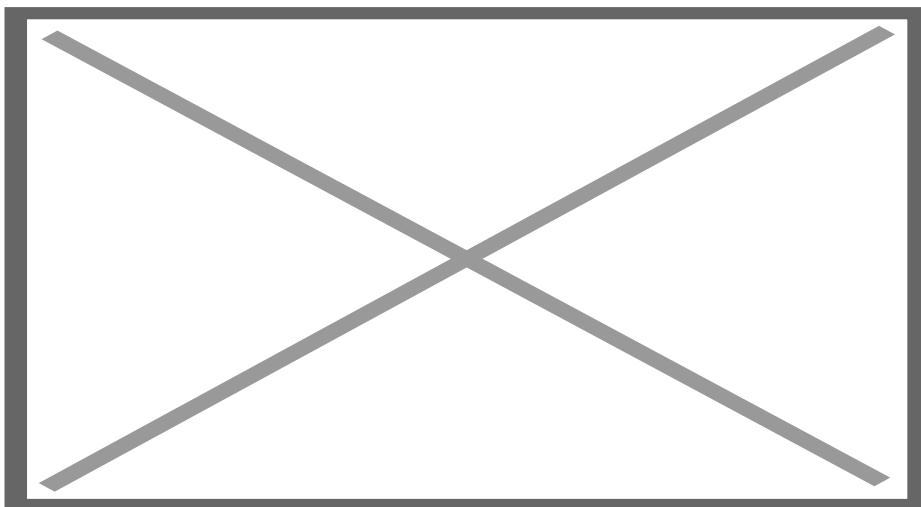
Master's degree
Specialisation Biologie moléculaire et cellulaire
Language(s) of instruction
English French

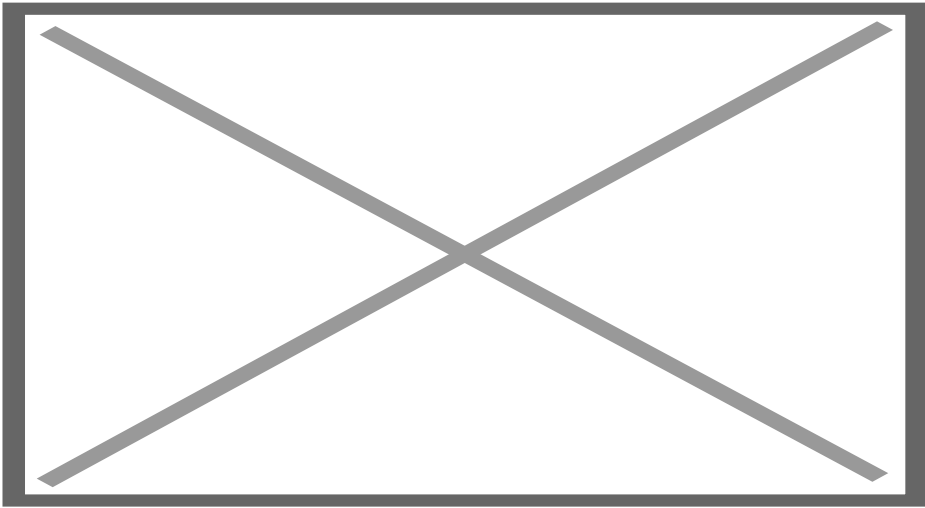
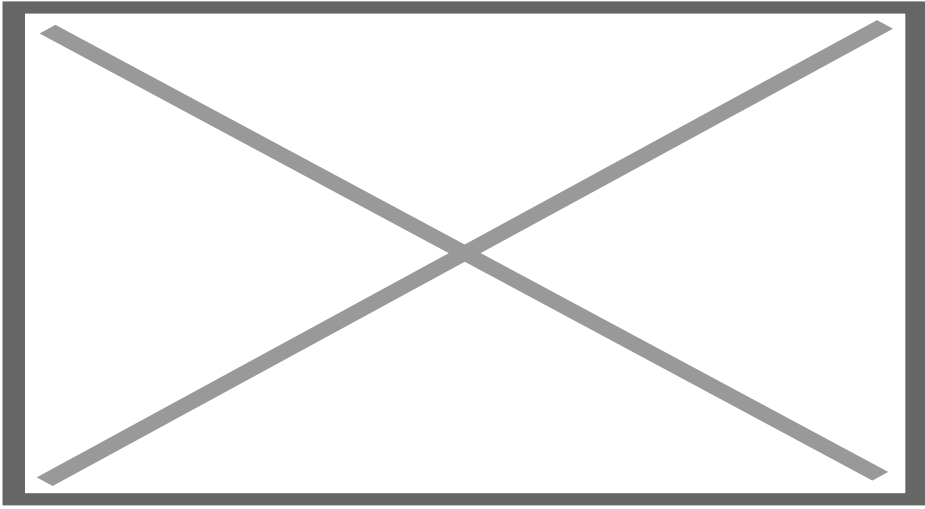
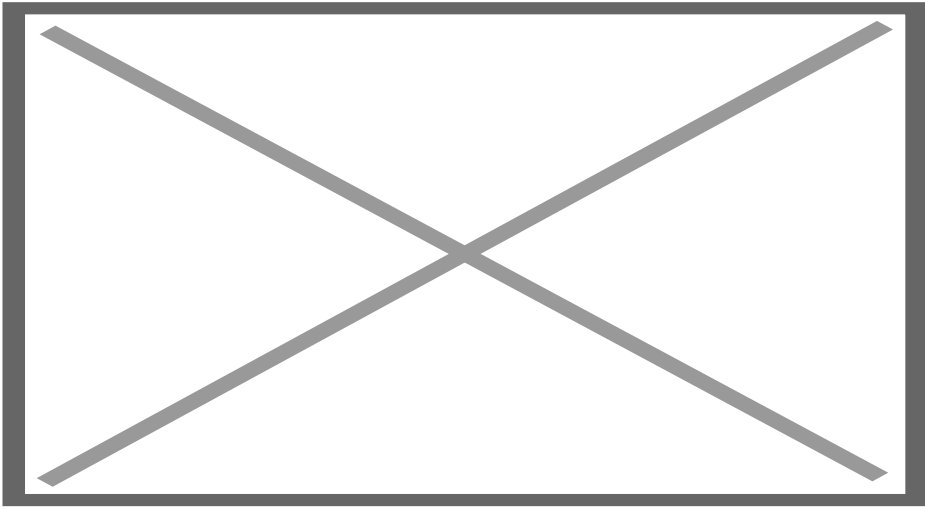
The significant advances in the control of reproduction, along with the importance of fundamental, applied, and medical issues in the fields of reproduction and development, make these two disciplines central to everyone's life. The ReproDev program offers a multidisciplinary education that encompasses all levels of study, from molecules to phenotypes, within the context of normal, disrupted, or pathological mechanisms. It is training through research and for research.

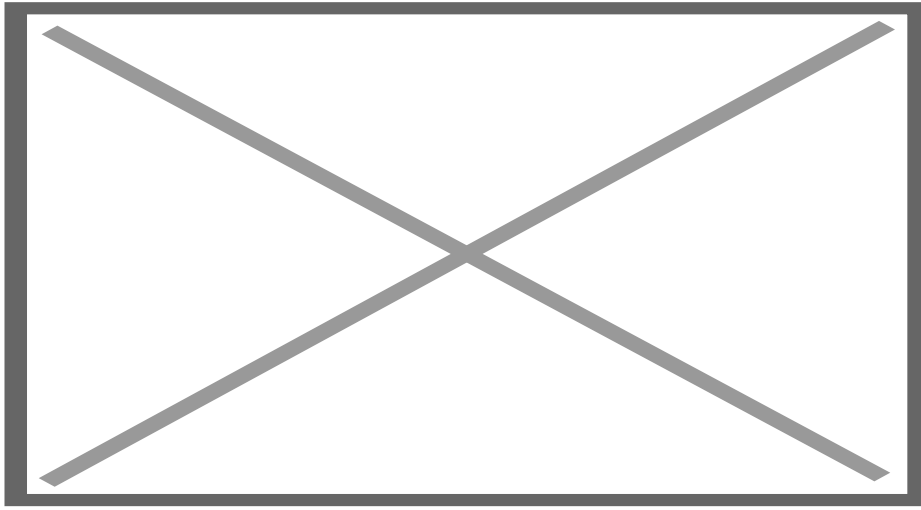
The first semester is dedicated to theoretical instruction, organized across November and December. A total of **10 teaching units (UEs)** are offered. Each UE is worth **3 ECTS credits**, and includes **24 hours of lectures and conferences** and **6 hours of seminar** sessions (*except UE1*). One **seminar project** is worth **6 ECTS**. Students must complete **6 UEs**:

- **UE1 is mandatory**
- **3 UEs** must be selected from the **ReproDev course list**
- The remaining **2 UEs** can be chosen either from:
 - ReproDev offerings,
 - Other tracks of the **BIP Master's program**,
 - Or another Master's program (with approval from the track coordinator)

[Télécharger la fiche détaillée](#)
[Apply Now](#)







■ ■

Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Objectives

To meet research needs in Reproduction and Development, we offer a programme derived from and supporting research in this field. The second year of our Master's degree aims to train students in the concepts, methods, and practices of fundamental, clinical and applied research. It pursues several goals:

- acquiring modern concepts and multidisciplinary methods of research in Biology and specifically in Reproduction & Development;
- developing critical skills, common sense and intuition;
- developing skills in analysis and synthesis;
- developing teamwork skills and a sense of collective responsibility;
- developing communication and oral skills. This programme is based on the science and health courses of the Master 1 Biology-Health degree. All courses are pooled in Master 1 and organised into platforms (course options), grouped into five main science fields. The recommended platforms in Master 1 are:
 - physiology and physiopathology;
 - genetics, molecular and cellular biology.

Débouchés

Career prospects

After a Master's + PhD: researcher or lecturer

Research and Innovation Manager

Project Manager

Study coordinators or project managers in clinical research

Teacher (after the CAPES or 'agrégation' competitive exam)

Research or Design Engineer

R&D Engineer

Further Study Opportunities

PhD

Admission

Capacity

Available Places

15

Target Audience and Entry Requirements

Students who have completed the Master in Integrative Biology Physiology M1 (Université de Paris), or the Master in Molecular and cellular Biology. (Université Paris-Saclay). INAPG and ENVA students who have completed the Master M1. Students who hold an M1 Master of Science in Biology, Physiology, Biochemistry or Genetics from a University that provides a comparable level of education in France (Ecole de l'INSERM School, ENS) or abroad. Students in Medicine, Pharmacy or Maieutics with an M1 or equivalent

Période(s) de candidature

Inception Platform

From 02/03/2026 to 12/06/2026

Supporting documents

Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Additional supporting documents

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Document indicating the list of local M2 choices available here : <https://urlz.fr/i3Lo>.

Supporting documents :

- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Liste d'UEs à choisir parmi l'offre de formation du M2 ReproDev ou dans d'autres mentions

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Différenciation fœtale et périnatale - Orsay	3	Semestre 1	25	3				

Différenciation fœtale et périnatale - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 25

Directed study: 3

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases solides en développement, physiologie, endocrinologie, neurosciences

Type of assessment

Evaluation Continue non Intégrale

[Le](#)

[développement](#)

[placentaire: De l'implantation à la naissance](#)

3

Semestre
1

27

6

Le développement placentaire: De l'implantation à la naissance

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 27

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases solides en Physiologie, Génétique, Développement, Immunologie, Placenta

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Génétique de la reproduction et de la différenciation sexuelle - Orsay	3	Semestre 1	24	3				
■								

Génétique de la reproduction et de la différenciation sexuelle - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 24

Directed study: 3

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Solides bases en génétique et reproduction

Type of assessment

Evaluation Continue non Intégrale

De la fécondation à l'implantation - Orsay	3	Semestre 1	24	6
--	---	------------	----	---

De la fécondation à l'implantation - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 24

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Solides bases en Développement, Biologie cellulaire et moléculaire, épigénétique

Type of assessment

Evaluation Continue non Intégrale

[De la cellule](#)

[germinale](#)

[souche à la](#)

[fécondation -](#)

[Orsay](#)

3	Semestre 1	26	6
---	------------	----	---

De la cellule germinale souche à la fécondation - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 26

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Avoir de solides bases en Biologie cellulaire, Histologie, Embryologie, Reproduction

Type of assessment

Evaluation Continue non Intégrale

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
UE2 libre à 3 ECTS	3	Semestre 1						
■								

UE2 libre à 3 ECTS

ECTS : 3

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[UE1 libre à 3 ECTS](#)

3

Semestre 1

■

UE1 libre à 3 ECTS

ECTS : 3

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Médecine de la reproduction - Orsay](#)

3

Semestre 1

26

6

Médecine de la reproduction - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 26

Directed study: 6

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases solides en Développement, Physiologie, Physiopathologie, Développement.

Type of assessment

Evaluation Continue non Intégrale

Toxicologie de la reproduction	3	Semestre 1	30
--	---	------------	----

Toxicologie de la reproduction

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases de toxicologie

Type of assessment

Evaluation Continue non Intégrale

Biologie du développement	3	Semestre 1	20.5
---	---	------------	------

Biologie du développement

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 20.5

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Validation d'une UE de Biologie de la Reproduction et d'une UE de Biologie cellulaire - signalisation en M1.

Type of assessment

Evaluation Continue non Intégrale

[Endocrinologie](#)

[de la](#)

[reproduction](#)

3

Semestre

1

19

Endocrinologie de la reproduction

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 19

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Validation d'une UE de signalisation et d'une UE de Génétique moléculaire.

Connaissances de la physiopathologie endocrinienne et de la Reproduction.

Type of assessment

Evaluation Continue non Intégrale

Enseignement et UEs obligatoires

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Projet tutoré - Orsay	9	Semestre 1						
■								

Projet tutoré - Orsay

ECTS : 9

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

[Base de la](#)

[reproduction et](#)

[du](#)

[développement](#)

[- Orsay](#)

■

3 Semestre 1 30

Base de la reproduction et du développement - Orsay

ECTS : 3

Semester: Semestre 1

Detail

Lecture: 30

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Bases solides en Reproduction, Biologie cellulaire, Biologie moléculaire, Physiologie.

Type of assessment

Evaluation Continue non Intégrale

[Anglais P18 -](#)

[Orsay](#)

3 Semestre 1

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	other
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-------

■

Anglais P18 - Orsay

ECTS : 3

Semester: Semestre 1

Language(s) of instruction

Français

Remote teaching

non

Prerequisites

Niveau en anglais B2

Type of assessment

Evaluation Continue non Intégrale

Stage de recherche , rédaction d'un mémoire et soutenance orale des résultats obtenus

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
----------	------	----------	---------	----------------	-----------------	------------------------	-------------------------	--------------------------------	-------------------

[Stage en](#)

[laboratoire](#)

[P18 -](#)

[Orsay](#)

■

Stage en laboratoire P18 - Orsay

ECTS : 30

Semester: Semestre 2

Language(s) of instruction

Français

Remote teaching

non

Type of assessment

Evaluation Continue non Intégrale

Teaching Location(s)

PARIS 15

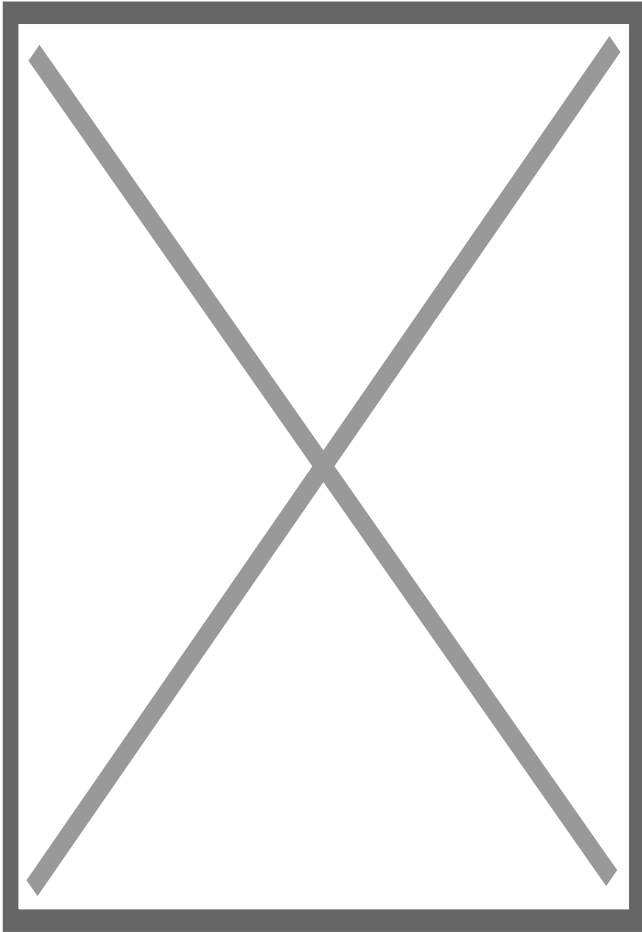
LE KREMLIN BICETRE

Academic Partner(s)

Paris Cité

Training campus

Javascript est requis pour visualiser cette carte.



Kremlin-Bicêtre

Kremlin-Bicêtre
Bus 125, 186, 323
Métro 14 Hôpital Bicêtre
[Voir](#)
Student restaurant (CROUS)

Contact

- **Gérard TACHDJIAN**
responsable de formation
- **Secrétariat Master Biologie Santé Médecine**
Gestionnaire scolarité

<http://www.universite-paris-saclay.fr/formation/master/biologie-moleculaire-et-cellulaire/m2-reproduction-et-developpement>