



Université de Paris



2nd Master's year (M2)

Magistère international de génétique
An international Master's program in genetics

Université de Paris

Jan Sap

jan.sap@u-paris.fr

- A research-oriented training program
- Students tailor their curriculum according to their interests :
 - Human genetics
 - Carcinogenesis
 - Development
 - Immunology
 - Microbiology
 - Neuroscience
 - Cell Biology Molecular genetics
 - Population genetics & evolution
 - Genomics
- All courses are taught in **English**

Structure of the year

- Courses are organized mostly as one-week modules, and are taught in English
 - Exam at the end of each week (Friday)
 - One week's course = 3 credits
- Two semesters, of 30 credits each

First semester : (Sept-Dec 2020)

- UE 1 : Obligatory modules (for a total of 9 credits)
- UE 2 : Obligatory modules (for a total of 15 credits)
- UE 3 : Optional modules (for a total of 6 credits)

Second semester : (Jan-June 2021)

- UE 4 : Research project : 30 credits (students receive stipend ± 450 € / month)

First semester :

•UE 1 : Obligatory modules (9 ECTS)

– Personal project (5 credits) :

= bibliographic module, in groups of 2 students.

Presentation of a review lecture based on a topic selected by the professor; followed by questioning

– Erasmus week (4 credits) : choose from

•In Italy

- Trieste : Regulation of gene expression
- Milano : Biotechnology
- Padova : Models to investigate genetic disease
- Firenze : Oncogenesis
- Roma : Molecular and biological genetics: theory and practice

•In Spain

- Barcelona : Development of the nervous system and psychiatric/neurological diseases

•UE 2 : Obligatory modules (15 ECTS)

•UE 3 : Optional modules (6 ECTS)

•UE 2 : Obligatory modules - Total of 15 ECTS :

–Modules (3-6 ECTS/module) from a “menu” of 31

and/or

–Pasteur Institute course (6-15 ECTS/module), from :

- Mouse genetics
- Molecular biology of the cell
- *Génétique et épigénétique moléculaires (in French)*
- Advanced immunology
- Development and plasticity of the nervous system
- *Analyse des génomes (in French)*
- *Rôles multiples de l'ARN (in French)*
- Human population genomes and genetic epidemiology
- Principles and applications of fluorescence microscopy

– NB :Admission to Pasteur Institute courses is selective and not automatic. Students must apply with CV and a statement explaining their interest. Selection is made before June 15. Only 3-4 students/course

•UE 3 : Optional modules - Total of 6 ECTS :

= courses from other Master's programmes (with approval)

and/or

from “menu” of 31

“Menu” of 31 modules » for 2019-20 (1)

Week	MODULE	Module organizers	Mail	Location	Langage	Maximum student number
09/09/2019	Cell imaging	Jean-Marc Verbavatz	jean-marc.verbavatz@ijm.fr	Campus Paris Diderot	English	20
16/09/2019	Evolution and Development	Michel Vervoort Pierre Kerner	michel.vervoort@ijm.fr pierre.kerner@ijm.fr	Campus Paris Diderot	English	25
16/09/2019	Human Genetics and Hematology	Laurent Gouya Yves Colin	laurent.gouya@inserm.fr yves.colin-aronovicz@inserm.fr	Bichat/et INTS (le lundi)	English	25
23/09/2019	Normal and pathological intracellular signalisation	Jacques Ghysdael Christine Tran Quang	Jacques.Ghysdael@curie.fr Christine.Tran-Quang@curie.fr	Orsay	English	30
30/09/2019	Advanced Course in Cell Dynamics	Stephanie Miserey-Lenkei Frank Perez Julien Dumont	Stephanie.Miserey-lenkei@curie.fr Franck.Perez@curie.fr julien.dumont@ijm.fr	Campus Paris Diderot et Curie	English	16
30/09/2019	Genomic analysis of cancers	Fabien Fauchereau Anne Vanet	fabien.fauchereau@ijm.fr anne.vanet@univ-paris-diderot.fr	Campus Paris Diderot	English	18
07/10/2019	Optogenetics	Sophie Vriz Simon de Beco	vriz@univ-paris-diderot.fr simon.de-beco@univ-paris-diderot.fr	Collège de France	English	20
07/10/2019	Microbiology : Host-Pathogens interactions	Xavier Nassif Alain Charbit David Skumick Pamela Schnupf	xavier.nassif@inserm.fr alain.charbit@inserm.fr david.skumick@inserm.fr pamela.schnupf@inserm.fr	Cordeliers	English	25
07/10/2019	Aging: Basis and neuro-related diseases	Véronique Monnier Elodie Martin Hervé Tricoire	veronique.monnier@univ-paris-diderot.fr elodie.martin@univ-paris-diderot.fr herve.tricoire@univ-paris-diderot.fr	Campus Paris Diderot	English	30
14/10/2019	Stem Cells	Claire Rougeulle Jean-François Ouimette	claire.rougeulle@univ-paris-diderot.fr jean-francois.ouimette@univ-paris-diderot.fr	Campus Paris Diderot	English	20

“Menu” of 31 modules » for 2019-20 (2)

14/10/2019	Génétique Microbienne	Erick Denamur Ivan Matic	erick.denamur@inserm.fr ivan.matic@inserm.fr	Bichat	French	10
14/10/2019	Somatic Genetic in Cancer	Raphael Itzykson Jean Soulier	raphael.itzykson@aphp.fr jean.soulier@sls.aphp.fr	IUH ST Louis	English	25
21/10/2019	ERASMUS WEEK	Domenico Flagiello	domenico.flagiello@ijm.fr			All
28/10/2019 (Nov 1st is a day Off)	Création d'entreprise	Alain Zider Jonathan Weitzman Catherine Alcaïde-Loridan	alain.zider@ijm.fr jonathan.weitzman@univ-paris-diderot.fr catherine.alcaide@ijm.fr	Campus Paris Diderot	French	25
04/11/2019	Epigenetics	Jonathan Weitzman	jonathan.weitzman@univ-paris-diderot.fr	Campus Paris Diderot	English	30
04/11/2019	Genetics and epigenetics of multifactorial diseases	Valérie Serre Fabien Fauchereau	valerie.serre@univ-paris-diderot.fr fabien.fauchereau@ijm.fr	Campus Paris Diderot	English	30
04/11/2019	Cellular aspects of developpement	Antoine Guichet Sophie Vríz Christine Rampon	antoine.guichet@ijm.fr vriz@univ-paris-diderot.fr christine.rampon@college-de-france.fr	Campus Paris Diderot	English	25
11/11/2019 (Nov 11 is a day off)	Immunogenomics and Genetics	Catherine Alcaïde-Loridan	catherine.alcaide@ijm.fr	Campus Paris Diderot	English	25
18/11/2019	Genetics predisposition to cancer	Dominique Stoppa-Lyonnet Lisa Golmard	dominique.stoppa-lyonnet@curie.fr lisa.golmard@curie.fr	Curie	English	20
18/11/2019	Biodemography	Samuel Pavard	pavard@mnhn.fr	Museum	English	30
18/11/2019	Cellular Neurobiology and Development	Thierry Galli Isabelle Caillé	thierry.galli@inserm.fr isabelle.caille@snv.jussieu.fr	Campus Paris Diderot	English	20

“Menu” of 31 modules » for 2019-20 (3)

25/11/2019	Cellular Biology of Cancer	Valérie Lallemand-Breitenbach Hugues de Thé	valerie.lallemand@inserm.fr dethe@univ-paris-diderot.fr	IUH St Louis	English	25
25/11/2019	Génétique et Physiologie de la Reproduction	Reiner Veitia	reiner.veitia@ijm.fr	Campus Paris Diderot	French	30
25/11/2019	Neurodevelopment, Prematurity, Homeostasis	Nicolas de Roux Véronique Dubreuil	nicolas.deroux@inserm.fr veronique.dubreuil@univ-paris-diderot.fr	Robert Debré	English	20
02/12/2019	RNAseq	Sandrine Caburet Claire Vandiedonck	sandrine.caburet@ijm.fr claire.vandiedonck@inserm.fr	Lamarck salle 204, SCRIPT et Campus Paris Diderot	English	17
02/12/2019	Human Genetics and Neurobiology	Thomas Bourgeron Christine Petit	thomasb@pasteur.fr cpetit@pasteur.fr	Pasteur	English	30
02/12/2019	Biotherapy	Franck Griscelli Odile Cohen-Haguenauer	franck.griscelli@igr.fr odile.cohen-haguenauer@aphp.fr	Faculté de Pharmacie de Paris	English	40
09/12/2019	Human Evolutionary Genetics	Evelyne Heyer Lluis Quintana-Murci	heyer@mnhn.fr quintana@pasteur.fr	Museum	English	30
09/12/2019	Genomics	Reiner Veitia Corinne Antignac	reiner.veitia@ijm.fr corinne.antignac@inserm.fr	Campus Paris Diderot	English	30
09/12/2019	Molecular Genetic of Human diseases	Béatrice Parfait Eric Pasmant	beatrice.parfait@parisdescartes.fr eric.pasmant@parisdescartes.fr	Faculté de Pharmacie de Paris	English	40
16/12/2019 (plus additional sessions in january)	Bibliographic module	Alain Zider	alain.zider@ijm.fr	Campus Paris Diderot		All

SECOND SEMESTER :

- **UE 4 : Research project : 30 ECTS**

- = a six-month laboratory research project in one of the institutes that are affiliated with the program:
Institut Pasteur, Institut Cochin, Institut Curie, Institut Jacques Monod, Center for Epigenetics & Cell Fate, Ecole Normale Supérieure (ENS), Hôpital Necker Enfants Malades, Institut Imagine, Hôpital St Louis, Genopole,
(total of > 300 labs)



NB: YOU choose the lab !

- **Students receive a stipend of approx. 450 € /month**

Webpage of the Master's program :

<http://www.magisteregenet.univ-paris-diderot.fr/>

For all administrative issues :

Ms. Laetitia Aurelio

laetitia.aurelio@univ-paris-diderot.fr

Previous students from Universitat de Barcelona

2012-13

-Irene Marginedas

2013-14:

-Ferran Gomez Castro
-Neus Roca i Ayats
-Daniel Medina Cano

2014-15 :

-Judit Carrasco Sala judit_6_92@hotmail.com
-Anna Fortuny Gonzalez annafortuny8@gmail.com

NB both received scholarships

2015-16 :

-Carla Riera Domingo
NB received a MIEM scholarship

2016-17 :

-Elia Sanchez Aguillo elia.sancheza@gmail.com
-Cesar Lluís Sierra Noguera. cesarsierra94@gmail.com

2017-18 :

-Guillem Mas guillem.mas.fiol@gmail.com

NB : several of these students are now in PhD programs in Paris

How to apply

- The procedure for application is explained on :
<http://www.magisteregenet.univ-paris-diderot.fr/spip.php?article17#top>

Laetitia Aurelio can help you :

laetitia.aurelio@univ-paris-diderot.fr

(send her an e-mail to confirm that you are applying)

- Deadline : **The earlier, the better !**

Funding information :

- The host lab (or EUR) will pay a stipend of approx € 500/month during the research project
- You can probably apply for Erasmus funding through UB (although this may not always be compatible with the above; check)
- **A limited number of competitive “EUR” fellowships are available**
- Fellowships from the French Ministry of Foreign Affairs ?

EUR Fellowships : Separate application procedure !

= 5000 €

+

Lab stipend (500 €/month for 6 months)

+ simplified access to CROUS housing (subject to availability)

Application deadline for 2020-2021 : March 29th 2020

<https://eur-gene.u-paris.fr/en/eur-gene-funding-opportunities/m2-scholarships-international-students>

Questions : eur-gene@u-paris.fr