2 options for the Master

M1 Plant Sciences

M2
2 programs

Research
plant physiology, development, adaptation to environment, plant-microbe interactions

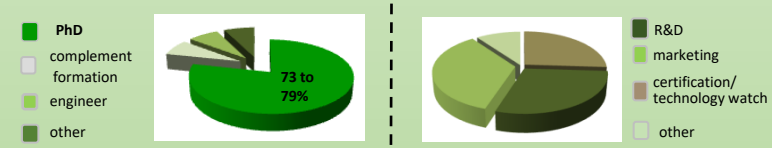
(100% in english)

Pro
"Innovations and quality of crop productions"
plant protection and health, breeding, sustainable agriculture

(mainly in french)

PhD, Lab or platform engineer
(academic research, R&D and higher education)

Manager / Engineer in R&D, Marketing, Product certification, Technology watch...



**Pie charts made from survey of former students in the past 5 years*

Laboratories of basic and applied research in Plant Sciences (including R&D)

Companies/technical centers/ agencies in crop health, plant improvement, sustainable agriculture

Admission

- For M1, students with an academic undergraduate degree in biology, cell biology, genetics, physiology or equivalent
- For M2, students with a complete M1 (60 ECTS) in Plant Sciences or equivalent
- Good performance in plant physiology, genetics/ genomics, molecular biology and statistics

Contact us

- **Pedagogic supervisors (M1 - M2)**
  Dr Sophie Filleur
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  Dr Christine Lelandais-Brière
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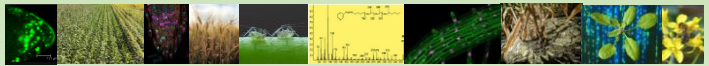
  35, rue Hélène Brion 75205 Paris Cedex 13

How to apply

- **M1 - EU students** (including France): national online platform **«Mon master »,** from March 22th to April 18th 2023
  Master Biologie integrative végétale-parcours sciences du végétal
- **M2 - EU students** (including France): **« Ecandidat »** platform on the university site (from March 1rst to June 14th 2023)
  more information on our web site https://master-bip-universite-paris.fr
- **non EU students** (M1 or M2): **Campus France** platform (65 countries, from Oct 2022 to Jan 2023)
  https://www.campusfrance.org/en/application-higher-education-france

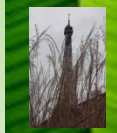


Université Paris Cité

Master of Integrative Biology and Physiology (BIP)

Master in Plant Sciences

https://master-bip-universite-paris.fr



Welcome to study in Paris !

in partnership with

SPS SCIENCES PLANTES SACLAY

université PARIS-SACLAY

A Master degree dedicated to “Plant Sciences” in Paris, the French capital

- **Cutting-edge knowledges** in **Plant Integrative Physiology**, **sustainable crop breeding and protection**
- **Two programs in Master 2:** “Research in Plant Sciences” and “Pro: Innovation and Quality of plant productions”
- **An exceptional scientific environment** (5 associated research institutes, a large network of companies and alumni in collaboration with Paris Saclay University and SPS graduate school)

First year of Master (M1)

semester 1	ECTS
Integrative Bbology	3
Methods in biological analyses (biostatistics, bioinformatics, molecular biology)	6
English	3
Genome evolution and organization	3
Biodiversity and genetics	3
Plant integrative biology workshop	4
Plant sciences practical course OR Functionning of a company	4
Plant integrative physiology OR biotechnologies / plants-insects	4
semester 2	**ECTS**
System physiology	3
Research project	3
Applied genetics for plant breeding	4
Crop genomics and bioinformatics	4
Plant nutrition and agronomy OR Genome engineering/RNAi	4
Seeds : from biology to industry OR How to build a plant	4
Internship from mid-april to mid-june, minimum 2 months	8

grey *: core curriculum of the master*
white *: “Plant Sciences » program (common with Paris Saclay University)*
ECTS = European Credit Transfer and Accumulation System

Université Paris Cité

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université PARIS-SACLAY

Second year of Master (M2-R)*
« Research in Plant Sciences»

semester 1	ECTS
Plant genomics and breeding	5
Cellular biology : from imaging to function	5
Metabolic physiology	5
Signaling mechanisms in plants	5
Pathogenesis and symbiosis	5
Plant epigenetics	5
semester 2	**ECTS**
Research internship 6 months, from january to june	30

Second year of Master (M2- Pro)*
« Innovation and Quality of crop productions »

semester 1	ECTS
Plant genomics and breeding	5
Key business functions	2.5
Strategic marketing and communication	5
Plant protection	5
Accreditation of plant protection products	5
Sustainable agronomy	2.5
Technological and competitive Intelligence	5
semester 2	**ECTS**
Project in private company 6 months, from march to august	30

**** Education program common with Paris Saclay ‘s university***

Some highlights

Excellent professionnal insertion
Possibilities of fellowships
Individual student tutoring
Numerous internships, practical courses, workshops