

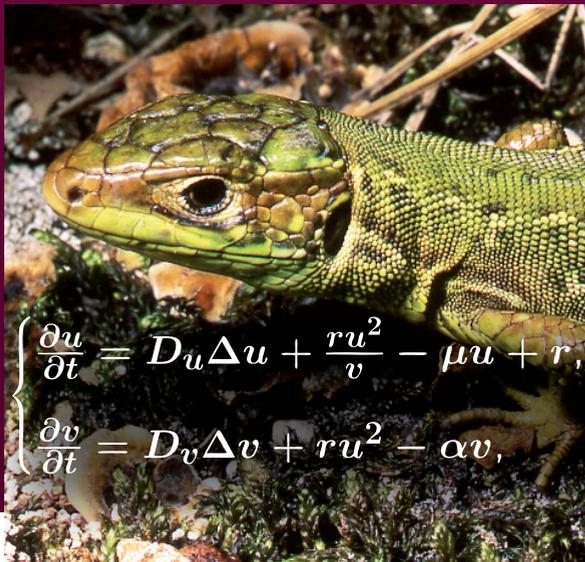
PhD PROGRAM

An international PhD program in Life Sciences is proposed to foreign students with a strong background in Biology or related disciplines.

- Those with a level corresponding to a US-type bachelor degree or European-type M1 degree will enter the program at the M2 level. During their first year, they will follow a complete set of advanced courses and perform short (2-3 months) internships in two different laboratories. At the end of this first year, they will choose a laboratory for a three-year PhD.
- For those with a level corresponding to an European M2 degree (5th year of University), the first year will be devoted to longer internships (4-5 months) in two different laboratories, with the possibility of following a few advanced courses. At the end of this first year, they will choose a laboratory for a three-year PhD.

In both cases, to benefit from the stipend, rotation and PhD laboratories must belong to the MemoLife laboratory of excellence, associating the ENS, the Collège de France and the ESPCI.

<http://memolife.biologie.ens.fr>



PRACTICAL INFORMATION AND APPLICATION

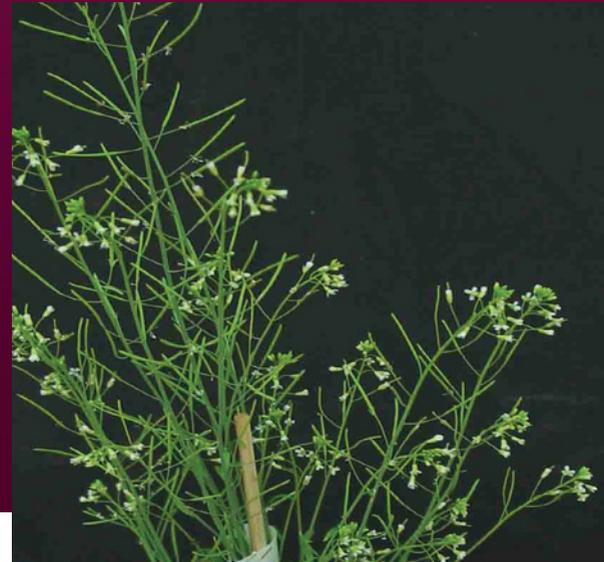
Courses are taught in English. Applications are open to all candidates with a Bachelor degree in Science and adequate background in Biology. Depending on background and profile, applicants will be considered for the full two-year master (M1+M2), the master's second year (M2), or the PhD program.

More information about the application process can be found on our website | www.gradprog.biologie.ens.fr

Competitive stipends are available to cover tuition and living expenses of selected foreign candidates at the different entry levels.

Deadline for application: Foreign students: 30th April, 2015
French students: June 1st, 2015

Contact : internationalmaster@biologie.ens.fr



ÉCOLE NORMALE
SUPÉRIEURE
PARIS, FRANCE

INTERNATIONAL GRADUATE PROGRAM IN LIFE SCIENCES

A PATH TO SCIENTIFIC
EXCELLENCE

www.gradprog.biologie.ens.fr

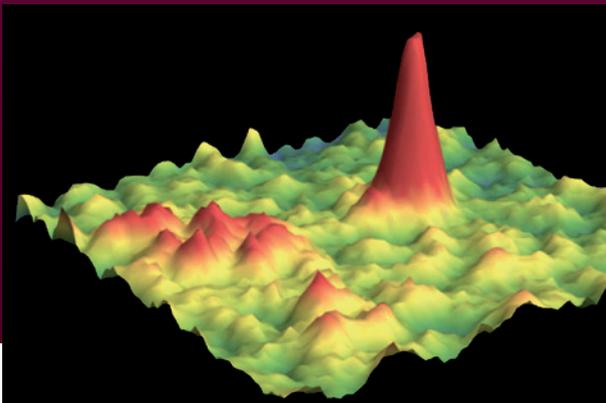


Teaching and training at the Ecole Normale Supérieure is based on research and individual tutoring of students by researchers, in an environment of intellectual freedom.

The goal of the program is to train young researchers in life sciences, who will master the essential concepts and latest technological developments in various disciplines. They should be able to address key questions in contemporary biology by integrating different scales of analysis and using trans-disciplinary approaches.

Our master curriculum provides a broad range of theoretical and practical courses in a close partnership with the University Pierre & Marie Curie. It further takes advantage of the strong research community of the Institute of Biology of the ENS and other neighboring institutes (ESPCI, Institut Curie, Institut Pasteur). Our students are further encouraged to take courses in other disciplines, offered by different ENS departments (Mathematics, Computer Sciences, Physics, Chemistry, Earth Sciences, Cognitive Sciences) and neighboring institutions.

This training program includes several projects and laboratory internships. In particular, semester-long internships will take place in leading French laboratories, both during the first and the second year of the master, which can be considered as a prelude for a PhD thesis.

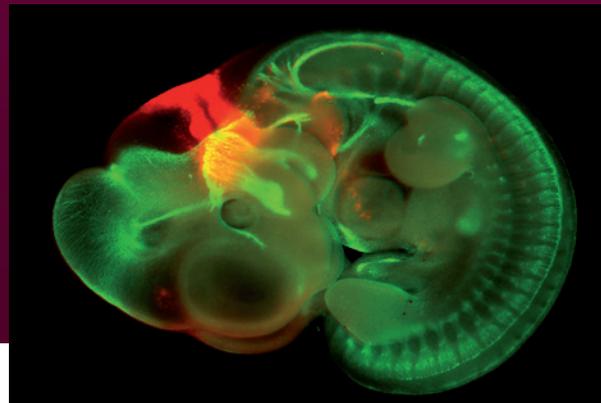
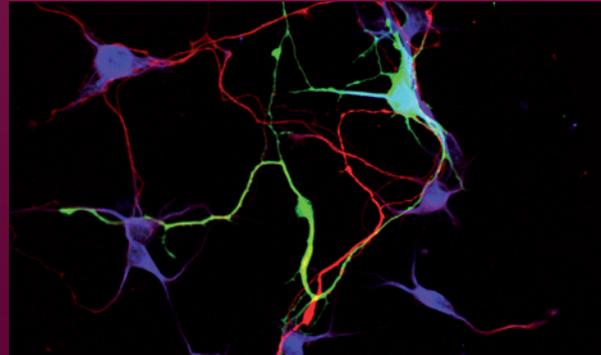


MASTER YEAR ONE

The first year of master offers a wide range of theoretical courses in areas of ENS research excellence: neuroscience, cell biology and development, genetics and genomics, computational and systems biology, and evolution and ecology.

The course plan can also include classes in mathematics, physics and other fields to build transdisciplinary training profiles.

By the end of the first semester, students should be expected to have acquired a solid background and to be well prepared for their research internship.



MASTER YEAR TWO

Advanced classes are offered in Computational and Systems biology | Neurobiology | Ecology and evolutionary biology

Multidisciplinarity in training is strongly emphasized. The goal is to foster innovative approaches to current and future grand challenges of life sciences, and provide students with cutting-edge investigative tools, from high-tech experimental equipment (time-lapse or ultra-resolutive microscopy, high-throughput sequencing, etc.) to novel mathematical and computational approaches.

The second semester is devoted to a long internship in a partner laboratory.

