Program factsheet

ACADEMIC COOPERATION
International partners:
› University of the Basque Country, Bilbao, Spain (Genetics, Physical Anthropology and Animal Physiology Department).

LEVEL
Master of Science in Bioinformatics.

ADMISSION REQUIREMENTS
Candidates must fulfill the following requirements:
› Hold a Bachelor degree with honours, or the equivalent to four years of study (240 ECTS) in the field of biology.

PROGRAM DURATION
2 years (120 ECTS).

TUITION FEES
Master tuition fees applicable for the University of Bordeaux.

LANGUAGE REQUIREMENTS
A good level of English is required.

The revolution in high-throughput sequencing technologies has led to the acquisition of gigabytes of data sequences and has generated new challenges in this latest era of “omics” data. To exploit and analyze this data, the contribution of bioinformatics is essential and impacts the practices of training future biologists. A high level of computer skills is now essential to be able to use relevant software applications dedicated to “omics” data, while simultaneously enhancing the understanding of life science.

In this context, the Master of Bioinformatics of the University of Bordeaux and the “Bioinformatics and Omics” of the University of the Basque Country has developed an international Master’s program that offers a combined training of metagenomics and bioinformatics.

The Bioinformatics and Omics (BAO) international Master is a complete two-year post-graduate program, taught entirely in English, and designed to meet the new challenge of analyzing complex “omics” data at the interface of bioinformatics.

Strengths
› This international program is based on the metagenomics data expertise of the University of the Basque Country, and also on the teaching experience of the University of Bordeaux.
   This experience concerns the teaching of bioinformatics to biologists (as for the Master of Bioinformatics).
› The BAO Master is a two-year post-graduate program, taught entirely in English, and designed to meet the new challenge of analyzing complex “omics” data at the interface of bioinformatics.
How to apply?

Students may apply online:
› https://apoflux.u-bordeaux.fr/etudiant/

Keep in mind!
› Maximum number of students: 10
› Selection: based on academic results and proven motivation for an international experience.

Contacts
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→ And after?
This interdisciplinary and international program offers many employment opportunities given the high demand in the academic sector (CNRS, INRA, INSERM, etc.) and private companies (biotechnology, pharmacology, agronomics or food science) to address new Big Data challenges that have resulted from the revolution of new technologies.

Upon completion, students may pursue a doctoral degree, or may be recruited as engineers in laboratories working on structural biology, molecular biology, pharmacology and bioinformatics.

Private biotechnology pharmacology, agronomics and/or food science companies are also interested in recruiting post-graduate students with a double competence in biology and computer science, strengthened by an international experience.

TOMORROW’S SUCCESS STARTS TODAY