

DOCTORAL PROGRAMS

Genetics

Identificative data of the program

Code	HOQ03
Denomination	Genetics
Areas of the program	Ciències Mèdiques i de la Salut Ciències de la Vida
Maximum number of students	40
URL of the program	http://www.ub.edu/biologia/postgraus/masters_of/bio_desenv/

Coordinator

Name	David Bueno Torrens
Department	GENÈTICA
Centre	FACULTAT DE BIOLOGIA
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Training period

UB master/s which is/are partially or totally integrated in this period:

Master

Biologia del Desenvolupament i Genètica	Total
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Research period

General objectives of the program

The Genetics PhD Program is a bet of the University of Barcelona in the future of the formation, training and research in genetics.

The fundamental goal of the Genetics PhD program is to educate professionals with a solid basis in the most novel areas of development biology, genomics, human genetics and evolution, among others. These areas include from an update in human molecular genetics to the most recent aspects on developmental and evolutionary genetics and on molecular evolution, with the necessary complements on bioinformatics as well as on the basic tools to carry out advanced genetic analyses.

For attaining the proposed goals, which include the eventual work in specific areas at the university and in research centres, the practice of emergent and in expansion professions, and in the research in private companies, the necessary multidisciplinary knowledge will be imparted at both theoretical and practise levels.

Procedimientos, requisitos y criterios específicos de admisión al programa, así como de valoración de los méritos de las personas candidatas.

Admission

How to proceed:

Come in contact with a professor associated to the project, with a tutor of the research option of your choice or with the coordinator of the PhD program.

Requirements of admission:

The requirements of admission will depend fundamentally on the trajectory and academic report of the student. However, for the admission to the Program the following criteria will be applied:

- Academics:

Being in possession of the title of graduate or university graduate, and to prove to have a minimum of 240 ECTS. The validation of credits done in other Masters and courses of other Catalan Universities, of the Spanish state as well as from foreign universities, the appraisal of which will be carried out by the Commission of the PhD Program, is contemplated.

In any case, for starting the period of research the student needs a minimum of 300 ECTS, of which at least 60 ECTS have to be from an official program of postgraduate course.

Pre-acceptance:

The student have to obtain a pre-acceptance letter from a professor (director/tutor) associated with the research lines of the Program.

Complements específics de formació en recerca, a cursar en màsters de la UB, que es considerin necessaris i activitats que hauran de seguir-se durant el període de recerca (seminaris, cursos metodològics o altres activitats formatives programades)

The Genetics PhD Program com prises two formative periods:

1- A first period, whose main goal is consolidating and broadening the knowledge in an integrative way. The student will have to get a minimum of 60 ECTS of a postgraduate course in the Masters related to the Genetics PhD Program. The most usual way is doing the Master in Development Biology and Genetics. The educational goals of this stage are specifically specified in the corresponding Masters.

2- Once the student have achieve the 60 ECTS, the student will carry out a second formative period: the Study of Doctorate. This will be carried out in a laboratory linked to one of the lines of research of the Program of Doctorate. The goal of this period is the acquisition of skills and aptitudes in research that enable the student for:

- The understanding of the value and of the limitations of the scientific method
- Operating the selection of strategy and of experimental methodology, formulation of hypotheses, obtaining, evaluation and interpretation of results, and elaboration of conclusions in accordance with the scientific methodology
- Looking, obtaining, organizing and interpreting scientific information in the data bases.
- Communicating the results.
- Working in group and interoperating with the scientific environment
- Keeping an attitude socially and scientifically ethical

The Coordinator Commission of the Study of Doctorate will be the attendant of validating the credits obtained in Masters not linked to the Program of Doctorate in Genetics. For the admission in the Study, the applicant will have to have a Director of the Project of Thesis. If the Director is not a teacher of the University of Barcelona, a Tutor linked to the Department of Genetics of the University of Barcelona will be needed. The director/tutor will be the academic person responsible for the formation and training of the student.

Offered research lines, teachers and researchers and registering centers

[+] 100660 Genómica comparada y Bioinformática

[+] 100391 Biotecnología

[+] 100392 Biología y Genética del Desarrollo

[+] 100393 Genética Evolutiva

[+] 100394 Genética Molecular

[+] 100395 Genética Molecular Humana

[+] 100396 Genética Vegetal

[+] 100621 Evolución y desarrollo

General information

Procedimientos para la admisión y el seguimiento del proyecto de tesis

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Follow-Up of the Thesis:

the Commission of Doctorate will stablish specialist who, with annual periodicity, will issue a report about the progress of the Thesis. Moreover, a Tutor will be assigned to all students, who will be a member of the Genetics PhD Program linked to the Department of Genetics (UB).

Procesos administrativos (plazos y procedimientos de preinscripción) y otros datos de interés para el estudiante sobre el programa.

Key dates:

- The pre-inscription has to be made through the computer application corresponding to the Official Master in Biology of the Development and Genetics, of the University of Barcelona. The concrete periods can be consulted at the web page: <http://www.ub.edu/masteroficial/>

- Presentation to the Coordinator of the PhD Program of the pre-acceptance letter from the director/, during the first two weeks of September.

The academic course starts on September the 15th.

Pre-Inscription and Registration

Consult the web site http://www.ub.edu/biologia/postgraus/masters_of/bio_desenv/index.htm

Scholarships:

Consult the web site <http://www.ub.edu/acad/beques/3rcicle/ub3.htm>.

Procedimientos para que el estudiante, si lo desea, pueda formular reclamaciones en relación con el programa.

To control the quality of the training offered by the PhD in Genetics, every academic course a survey (pdf) of the received education will be passed the students of all subjects.

Moreover, the students can send their suggestions or complaints about the Genetics PhD Program to the Coordinator Commission of the Program of Doctorate.

Area de Planificació i Serveis Acadèmics

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08/08/2008 11:03

Àrea de Tecnologies de la Informació i la Comunicació
Aplicacions - Projectes de Gestió Acadèmica (GIGA)
Darrera Modificació Programa: 23/07/2008 09:41
Darrera Modificació Model: 25/06/2008 09:26