

DOCTORAL PROGRAMS

Biomedicine

Identificative data of the program

Code	H0101
Denomination	Biomedicine
Areas of the program	Ciències Mèdiques i de la Salut Ciències de la Vida
Maximum number of students	200
URL of the program	http://www.ub.edu/doctorat_biomedicina/cas/index.htm

Coordinator

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Training period

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

Master

Neurociències	Total
Bioinformàtica per a les ciències de la salut	Total
Biomedicina	Total
Enginyeria Biomèdica	Total
Immunologia	Total

Research period

General objectives of the program

The Doctoral Program in Biomedicine aims to provide multidisciplinary training to university graduates with degrees in Biology, Biochemistry, Biotechnology, Pharmacy, Physics, Medicine, Dentistry, Chemistry, Veterinary, Psychology and Engineering in the field of biomedical research. Its particular emphasis is on understanding the molecular mechanisms which cause diseases, as well as on developing optimum strategies for their treatment and cure.

The specific objectives of the program are:

- 1) To provide a Doctoral Program which allows molecular and cell research to be applied to the understanding, prevention and/or treatment of human disease
- 2) To produce biomedical scientists with the ability to link basic and clinical research
- 3) To train scientists in the area of university/business interaction (R+D management and research foundations)
- 4) To train scientists who wish to work as teachers in the biomedical field
- 5) To facilitate and promote transferable research

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

In order to be admitted in the first phase of training, candidates must enrol one of the master's linked to the Doctoral Program (Bioinformatics, Biomedicine, Biomedical Engineering, Immunology and Neuroscience) and have a theses supervisor. The theses supervisor must be teacher of the University of Barcelona, if not, student must obtain moreover the acceptance of a teacher of the UB.

In order to be admitted in the second phase of training of the Doctoral Program:

1) Students will complete a minimum of 60 ECTS postgraduate credits within the Master's courses linked to the Doctoral Program in Biomedicine: Bioinformatics, Biomedicine, Biomedical Engineering, Immunology and Neuroscience. The Coordinating Commission of the Doctoral Study will be responsible for validating credits obtained in Master's which are not linked to the Doctoral Program in Biomedicine.

2) Student will present a thesis project under direction of the theses supervisor.

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 Doctoral Program comprises two phases of training:

1) The first phase aims to consolidate and broaden the students' knowledge in an integrative manner. Students will be required to complete a minimum of 60 ECTS postgraduate credits within the Master's courses linked to the Doctoral Program in Biomedicine. The educational objectives of this phase are specified in each of the respective courses:

- Master's in Bioinformatics (in conjunction with the UPF)
- Master's in Biomedicine
- Master's in Biomedical Engineering (in conjunction with the UPC)
- Master's in Immunology (in conjunction with the UAB)
- Master's in Neuroscience (with the UdL, UPF and URV)

It will be possible to pursue the course in English in 2007-2008, on student request.

2) After completing 60 credits, students will enter the second phase of training: the Doctoral Study. This will be carried out in a laboratory linked to one of the Doctoral Program Research Areas. This phase aims to develop skills and aptitudes in biomedical research. During this phase, student must assist to the conferences, seminars and stages of research established by the the coordinator of the research area.

Offered research lines, teachers and researchers and registering centers

[+] 100559 INMUNOLOGÍA

[+] 100598 INGENIERIA BIOMÉDICA

[+] 100374 NEUROCIENCIAS

[+] 100275 BIOLOGÍA MOLECULAR Y CELULAR DEL CÁNCER

[+] 100647 METABOLISMO, SEÑALIZACIÓN METABÓLICA Y PATOLOGÍAS ASOCIADAS

[+] 100707 BIOINFORMÁTICA

General information

Procedimientos para la admisión y el seguimiento del proyecto de tesis

To enrol the Doctoral Degree in Biomedicine, candidates must fill in the official application form. In the application, candidates must inform about the title of his thesis, the name of the supervisor and the name of the research area in which want to be included. Candidates must prove the performance of the admission requirements.

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

For information about pre-enrolment and enrolment for the official master's linked to the Doctoral Program, candidates should consult the master's webpages.

For information about pre-enrolment and enrolment for the Doctorate Program, candidates should consult the webpage of the Doctorate Program: www.ub.edu/doctorat_biomedicina/eng/index.htm

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

Any suggestions or complaints related to the Doctoral Program in Biomedicine should be addressed to the Doctoral Committee.