Goals and Description

Immunology is a branch of biomedical sciences in which the physiological and pathological functions of the immune system are studied. Problems of complex pathologies, with great importance to public health, can be solved by studying immunology. Furthermore, its practical development is essential for biotechnology, the development of drugs, tool for diagnosis and multiple therapeutic applications. Immunology is a key area in biomedical research all over the world. In fact, in the past 150 years, immunology has been responsible for most of the important advances in health: vaccines, transplantations, antibodies, cancer therapy, factors of cellular differentiation, and anti-inflammatory drugs and therapies.

The potential of knowledge that is expressed about the Master of Immunology opens an extensive range of possibilities in different areas. Activities related with the knowledge of the Immune System include the cellular and molecular components, the functional processes and cellular/molecular interactions in the anatomic structures and general physiology. Furthermore, the integral knowledge of the Immune System is associated with physiological systems, such as the capacity of pathological processes, where the Immune System is directly applied. The four areas where this knowledge is developed are:

- Research and Academic
- Biotechnology
- Medicine
- Veterinary Medicine

Academic year 2016/2017
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PRE-REGISTRATION on-line through web:


or

www.ub.edu/web/ub/en/estudis/oferta_formativa/master_universitari/fitxa/A/M0107/index.html?

First period of pre-registration:
From February 1 until June 15, 2016

Second period of pre-registration:
From June 16 until September 4, 2016
Recipients
This Master is for students with previous training and knowledge related with Life Science, Health Science, Experimental Science and/or Veterinary Science.

Available Positions
There are 44 positions available. Student selection is based upon academic records and taking academic and professional experience into account.

Requirements
To have obtained a graduate degree with a minimum of 180 ECTS or have graduated in areas of Life Science, Health Science, Experimental Science or Veterinary Science achieved at a European university and/or other countries, with previous authorization by the local University.

Profiles
There are three established profiles:
- Immunobiotechnology and Research
- Medical Immunology
- Veterinary Immunology
Each Profile composed: 35 ECTS academic activity + 25 ECTS of Master Thesis. This master enables for the admission into the PhD programs.

August 31, 2015, the Education, Audiovisual and Culture Executive European Agency (EACEA) approved the Erasmus Mundus Plus JMD program in Vaccinology to be launched in 2016-2017 course. The consortium, called LIVE (Leading International Vaccinology Education), is composed by five universities: University Claude Bernard Lyon 1 (coordinator), Autonomous University of Barcelona, University of Barcelona, University of Antwerp and University Jean Monnet Saint-Etienne. This consortium has combined three official masters, such as the Master of Advanced Immunology at the University of Barcelona and the Autonomous University of Barcelona, the Master in Infectious and Tropical Diseases at the University of Antwerp and the Master in Genetics & Cell Biology-Fundamental Infectiology from the Universities of Lyon and Saint-Etienne, to give rise to Erasmus Master Plus in Vaccinology (LIVE).

Teaching Contents