



# IMBS

## International Master Program in Biomedical Sciences

A joint Program of the Universidad de Buenos Aires, Argentina  
and the Albert Ludwigs University, Freiburg, Germany



### Overview

The International Master Program in Biomedical Sciences (IMBS) is an innovative 2-year Master course for Bachelor or Postgraduate students of related fields. The aim of this program is to provide scientific knowledge as background to current applications in medicine as well as substantial training for biomedical research. All courses are taught in English and parts of the program are performed at the Albert Ludwigs University, Freiburg, Germany.

### Career Prospects

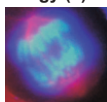
The IMBS enables graduate students to work in the areas of diagnostics, biomedical research, development and production.

Diagnostic laboratories	Molecular diagnostics at medical, biotechnical, environmental and forensic institutes
Hospitals	Molecular diagnostics in different clinical disciplines (internal medicine, pediatrics, human genetics etc.)
Regulatory agencies	Supervision of legal regulations e.g. in research offices
Industry	Basic and translational research, quality control, production, marketing, etc.
Research institutes	Biomedical basic and translational research at universities, institutes of the Max-Planck-Society, and other research facilities

### Program structure

The International Master Program in Biomedical Sciences (IMBS) at Freiburg (Germany) and Buenos Aires (Argentina) offers a 2-year course for the degree 'Master of Science (M.Sc.)'. This degree qualifies for a broad field of applications in basic and translational research and diagnostics. Duration of the IMBS is four semesters including the Master thesis. The program is structured into the following modules:

- Module 1: Biophysics: Bioenergetics and Biological Oxidations**
- Module 2: Pathology**
- Module 3: Pharmacology (a) and Toxicology (b)**
- Module 4: Cellular and Molecular Immunology (a), Microbiology (b) and Virology (c)**
- Module 5: Neurobiology**
- Module 6: Biochemistry and Molecular Biology**
- Module 7: Clinical Medicine**
- Module 8: Molecular Oncology**



Duration: 4 Semester including the Master Thesis

The Program is structured into modules, adherence to the Bologna Criteria Laboratory internships in Freiburg, Germany are provided within the program with the opportunity of a subsequent PhD program

Courses are generally in English (proof of adequate knowledge of the English language is required e.g. TOEFL, advanced courses of the English language)

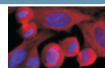
International students and international faculty Problem-based Learning (PBL) (10 students)

- Introduction by the lecturer
- Students work independent on special topics
- Discussion of the results with the group and the lecturer



### Faculty at UBA

Program Director: **Prof. Dr. Alberto Boveris**



- Module 1:** Dr. Cesar Fraga / Dr. Alberto Boveris
- Module 2:** Dr. Ricardo Gelpi / Dr. Manuel Rodríguez
- Module 3:** Dr. Carlos Davio / Dr. Juan Carlos Perazzo
- Module 4:** Dr. Emilio Malchiodi (a), Dr. Gabriel Gutkind (b) and Dr. Rodolfo Campos (c)
- Module 5:** Dra. Juana Pasquini / Dr. Alejandro De Nicola
- Module 6:** Dr. Daniel Turyn / Dr. Eduardo Arz
- Module 7:** Dr. Juan José Poderoso / Dra. Cecilia Carreras
- Module 8:** Dr. Benjamin Koziner / Dra. Berta Roth

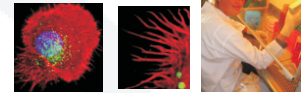
### Faculty at Freiburg University

Program Director: **Prof. Dr. Ronald Mertelmann**

- Module 1:** Prof. Dr. Jürgen Rühle
- Module 2:** Prof. Dr. Martin Werner
- Module 3:** Prof. Dr. Dieter Meyer / Prof. Dr. Klaus Aktories
- Module 4:** Prof. Dr. Georg Häcker / Prof. Dr. Otto Haller / Prof. Dr. Paul Fisch
- Module 5:** Prof. Dr. Friedrich Fischbach
- Module 6:** Prof. Dr. Christoph Borner
- Module 7:** Prof. Dr. Andreas Zirlik / Prof. Dr. Hendrik Veelken
- Module 8:** Prof. Dr. Hendrik Veelken

### Prospective Students

IMBS addresses students with bachelor or higher degree of related fields, such as biology, medicine, dentistry, biochemistry, molecular medicine, molecular biotechnology, etc., who are interested in an depth biomedical education with a focus on translational research and international orientation.



### City of Freiburg



Freiburg is one of the most popular cities in Germany. It lies on the western end of the south black forest and is the sunniest city in Germany. Freiburg is a famous center of academics and research. As one of the oldest universities in Germany, the Albert Ludwigs University of Freiburg celebrated its 550th anniversary in 2007 and is one of Germany's most prestigious and a leading research as well as teaching institution in Europe.

The University Medical Center Freiburg enjoys an excellent international reputation, due to world-class medical treatment and extensive clinical research.



### Contact

If you are interested in this program, you can check our homepage: [www.biomedmaster.org](http://www.biomedmaster.org) contact us via email: [imbs@ffyb.uba.ar](mailto:imbs@ffyb.uba.ar)

### Supported by

