MASTER IN BIOMEDICAL SCIENCES FOCUSED IN TRANSLATIONAL MEDICINE

OBJECTIVES OF THE FORMATION

- To acquire the fundamental knowledge and interdisciplinary skills that will shape the future of medicine;
- To understand the respective roles of the different stakeholders in healthcare;
- Be able to interact with experts and colleagues from a wide range of disciplines and environments.

CAREER PERSPECTIVES

- Pursue careers in health institutions and companies e.g: academic research laboratories and hospitals, biotech and pharmaceutical industries, contract research organizations, governmental and non-governmental organizations (e.g. regulatory agencies), patient associations, ...
- PhD training programs in biomedical and medical research centers, clinical study centers or academic hospitals

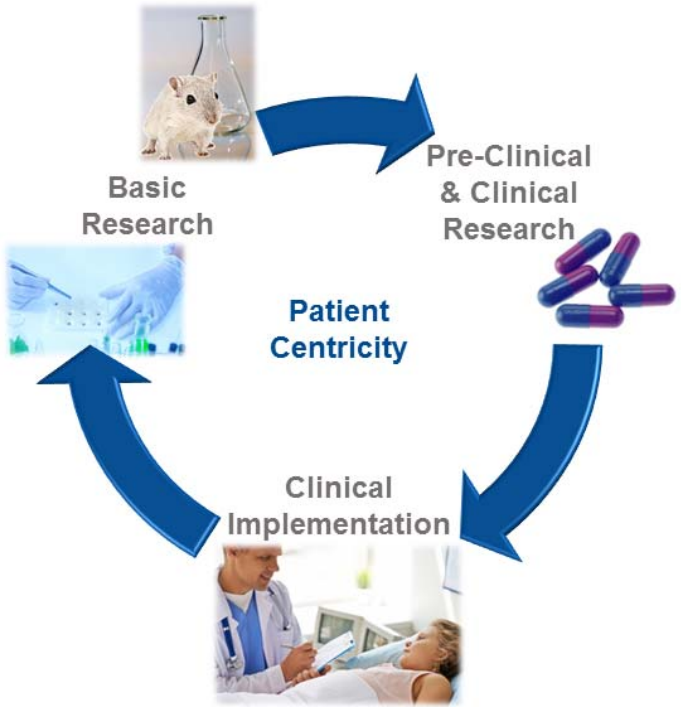
ADMISSION REQUIREMENTS

- Bachelor's degree in Biomedical Sciences
- Equivalent degree giving access to the Masters in Biomedical Sciences

HOW TO APPLY

- Submit your application for the master at the Université Libre de Bruxelles.

http://www.ulb.ac.be/enseignements/inscriptions



http://transmed.ULB.be

ULB UNIVERSITÉ LIBRE DE BRUXELLES

pôle santé ULB

FACULTY OF MEDICINE

MASTER IN BIOMEDICAL SCIENCES FOCUSED IN TRANSLATIONAL MEDICINE

- extensive knowledge in biomedical sciences
- pre-clinical and clinical aspects of the personalized medicine
- basics for the development of novel therapeutic and diagnostic approaches, as well as preclinical, clinical, regulatory, patenting, business, management & patient-focused topics
- unique Interdisciplinary and Interfaculty Program in Translational Medicine
- bilingual education (English-French)

September 2016

I3h Institute for Interdisciplinary Innovation in healthcare

Fund Fonds **Fonds Baillet Latour**

MASTER IN BIOMEDICAL SCIENCES FOCUSED IN TRANSLATIONAL MEDICINE

Inspired by recent initiatives in the U.S, the Faculty of medicine of the ULB creates a **Master in Biomedical Sciences focused in Translational Medicine.** This Master will provide students with the knowledge and skills required to successfully integrate translational research teams in private and public institutions to improve individual and population health.

Translational Medical Research focuses on the interaction between experimental basic research and clinical investigation, aiming to "translate" knowledge, techniques and mechanisms discovered into novel diagnostic approaches and therapies for disease.
Translation in the reverse direction, clinical observations into novel research issues, is also highly relevant. This two-way process is commonly referred to as "triple B" (from **B**ench to **B**edside and **B**ack again).

The transfer of scientific knowledge to clinical practice requires the understanding of multiple disciplines that will be studied along this master.

Further information is available at **http://transmed.ulb.be**.

FACULTY OF MEDICINE

PROGRAM (provided only for information and not contractual)

MA BLOC 1	ECTS	Language
Development and Stem cells	5	EN
Genetics and Oncology	5	EN
Clinical Biology and Pathology	5	EN
Bioinformatics	5	EN
Neurosciences (part I)	5	EN
Pharmacotherapy and other health technologies	5	EN
Probing questions of medical microbiology and immunology	10	FR
Intracellular signalisation and pathologies	5	FR
Introduction to research and scientific communication; Cellular and animal models; Career Day	10	FR
Neurosciences (part II): Nervous disease	5	FR
	60	

MA BLOC 2	ECTS	Language
Interdisciplinary program in Translational Medicine *	5	EN
Basics of pre-clinical and clinical research	5	EN
Translational medicine in selected disease areas	5	EN
Master thesis	15	FR/EN
Scientific seminars	5	FR/EN
Certificate of animal experimentation, training and Career Day	15	FR
Scientific strategy	10	FR/EN
	60	

***** Interfaculty and interuniversity program (sponsored by "Fund Baillet Latour")

Module 1	Module 2	Module 3	Module 4	Module 5
Setting the scene of translational medicine	The healthcare landscape	Harnessing information & communication technologies in healthcare	Harnessing disruptive technologies in healthcare	Entrepreneurship & business in healthcare
Health as a public good	Defining and measuring value of healthcare	Data handling in healthcare	Global challenges in healthcare	Management in healthcare