

1st Year

Human Genetics 5 ECTS	Functional Genomics 10 ECTS	Develop- mental Genetics 5 ECTS	B R E A K	Immunology and Immune Response 7.5 ECTS	Cardiovascular Diseases and Pharmacology 7.5 ECTS	B R E A K
Statistics 5 ECTS				Scientific Writing 5 ECTS		
Critical Thinking in Translational Medicine 5 ECTS				Lab A 10 ECTS		

2nd Year

Cancer Diseases 7.5 ECTS	Endocrine Systems 7.5 ECTS	B R E A K	Master's Thesis and Defense 30 ECTS
Experimental Design 5 ECTS			
Lab B 10 ECTS			

Laboratory Placements

The laboratory placements truly are a jewel in the crown of the program as they offer students the opportunity to participate in scientific research at the level of a professional researcher.



Furthermore, given the Charité's extensive network of research institutes, the choice of laboratories, topics, and experts is unprecedented; no other master's program in Germany is able to offer students such an impressive depth and range of training.

Program structure

The program is structured around six different modules which run sequentially and concurrent with laboratory rotations. Afterwards students begin a six month period of supervised research for the master's thesis.



Disciplines involved

- Human & Developmental Genetics
- Functional Genomics
- Infections & Immune Response
- Cardiovascular Diseases and Pharmacology
- Molecular Mechanisms of Cancer
- Integrity of the Endocrine System
- Laboratory Placements

Participating Institutions

- Berlin Institute of Health
- Max Delbrück Center for Molecular Medicine
- Max Planck Institute for Infectious Diseases
- Max Planck Institute for Molecular Genetics
- Institute for Theoretical Biology, Humboldt University
- Robert Koch Institute
- German Heart Center
- Deutsches Rheuma-Forschungszentrum Berlin

Molecular Medicine Graduates



"I learned so much in this program; not only a lot of new information and techniques, but also how to approach and tackle a scientific question, and how to go about designing an experiment to specifically answer the question. The program enabled me to really practice this at a professional level. Also, the combination of working independently but with support was essential for me to mature scientifically. In all, the program gave me the feeling that I am a researcher and not just another student."

Radwa Sharaf, graduate 2013, currently pursuing her PhD at Harvard University, Cambridge, Massachusetts, USA.



Admissions

- The program starts every October
- Approximately 20 students per class, half coming from outside of Germany
- Conducted entirely in English
- Students have been admitted from over 40 countries

Academic Requirements

- Bachelor of Science in the field of Molecular Medicine, Biology, Biotechnology or other related scientific disciplines
- Considerable amount of hands-on training with modern laboratory techniques and principles of the scientific method of experimentation

Language Requirements

- Applicants must document skills in English language (TOEFL, IELTS)

Further information is available on this website.
www.molecular-medicine-berlin.com

International Master Program
Molecular Medicine
Charité Berlin



www.molecular-medicine-berlin.com

Contact

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