

## Program

The Humboldt University Medical School, Charité, offers an interdisciplinary, international graduate program, which leads to the degrees of **M.Sc., Ph.D.** or **M.D./Ph.D.** in Medical Neurosciences. The program addresses both students of medicine or of life sciences (biology, biophysics, chemistry, psychology etc.). The program seeks to comprise 50 % non-German students.

## Objective

The main objective of the program is to bring together clinical and basic neurosciences in a comprehensive educational program by providing a structured education in basic neurosciences to medical students and by training students of the life sciences in medical topics and approaches concerning the central and peripheral nervous system.

## Structure

The program is structured in 5 modules and breaks with the traditional semester system. Intensive seminars combining core and method classes are held in 4-week blocks during semester breaks.

**core | electives | method | lab | thesis**



## M.Sc. Program Medical Neurosciences

Students that have completed a B.Sc. and/or are currently pursuing graduate studies are eligible to enroll in the M.Sc. program. The program integrates clinical and basic neuroscience curricula to give students a multidisciplinary learning experience tailored to their backgrounds and goals.

The M.Sc. program is designed to prepare students for neuroscience research oriented positions in academia or industry. Students who are holding a B.Sc. and are exclusively enrolled in the Master Program will graduate in 18 months.

Students who are enrolled in a medical/life sciences graduate program (*Hauptstudium*) while participating in the Master Program are scheduled to graduate after 36 months and will receive their degree only after having completed their first line of study.

## Ph.D. Program Medical Neurosciences

This new Ph.D. program takes an interdisciplinary approach to neurosciences linking basic and clinical brain research. Students will learn to describe and understand the physiology as well as the pathophysiology of the brain. The program prepares students for careers at the interface of bench and bedside in the academic neurosciences as well as in the application oriented biomedical industry.

[www.medical-neurosciences.de](http://www.medical-neurosciences.de)

## M.D./Ph.D. Program Medical Neurosciences

The goal of the M.D./Ph.D. Program is to educate future physician-scientists who will become leading researchers and educators in the brain sciences. Many graduates will become innovative clinicians who recognize important basic science questions in clinical findings, and apply laboratory techniques to understand the pathophysiology of human disease. The training also prepares students for other niches in which they take findings from the bench back to the clinic and bedside. It is expected that some graduates will become leaders in biomedical engineering, some will bring clinical perspectives to basic science departments, and some will direct research as section heads in governmental agencies and industry.

## International Students

The program is geared towards promoting international exchange and cooperation in education and research and thus seeks to enroll about 50 % non-German students. Therefore, English is the language of instruction and administration. In response to the special needs of international students, the program offers:

- support in administrative matters such as visas or registration
- student residence housing
- an introduction to the school and city
- social events
- German language classes
- ongoing assistance with any administrative, academic or general issues.

