

Medical Neurosciences

Basic Information

Keywords: Neurobiology | Neurophysiology | Neuropathophysiology | Clinical Neuroscience | Translational Neuroscience

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Program web link: www.medical-neurosciences.de

Program brochure: http://www.medical-neurosciences.de/fileadmin/user_upload/microsites/studiengaenge/neurosciences/brochure-medneuro.pdf

Detailed program information

Program summary description: Medical Neurosciences, hosted by the Charité – Universitätsmedizin Berlin, offers research-focused training for natural scientists and medical doctors alike. The program aims to provide a thorough education qualifying participants for career options in both the basic neurosciences and translational bench-to-bedside research. As the central training branch of the cluster of excellence NeuroCure, it offers students the opportunity to develop their scientific interests by choosing from among the many different research institutions associated with the cluster, with research focuses ranging from molecular to systems neuroscience.

Systems medicine and/or translational highlights: Students and faculty with a background in natural sciences or medicine, teaching content ranging from basic neurobiology to clinical neuroscience and research projects from mouse to men attest to the translational nature of the program. Furthermore, the program cooperates with the [NeuroCure Clinical Research Center](#) (NCRC) and [Charité's Department for Technology Transfer](#) (intellectual property and patents). Lastly, a special curriculum in translational research based on blended learning has recently been launched.

Primary funding source: Charité – Universitätsmedizin Berlin, Cluster of Excellence NeuroCure, BIH

Program start date: 2002

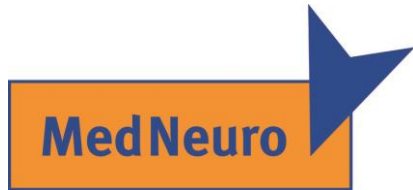
Number of students recruited per year (estimated): 30-50

Number of program funded positions/places (excluding third party funding): 10-15 PhD positions/year funded by the Cluster of Excellence NeuroCure

Duration of program: 3 years

Scientific training

The 3-year PhD program consists of a personalized curriculum, which supplements and supports the main research project. The individual backgrounds as well as the requirements of the thesis project are taken into account when constructing this individual curriculum. At this stage, special care is taken to train and sensitize students for important non-academic skills like financial accounting, legal issues, grant proposal writing, and communication to prepare them for the next career step. Furthermore, opportunities to foster early independence are continuously offered. The PhD degree is awarded based on at least three publications or a dissertation.



Mentoring & supervision offered

Each PhD student is supervised by a principal project leader and an additional senior scientist, as set forth in the supervision agreement. Often, this agreement is also signed by a junior scientist (post doc) as third supervisor who is available on a daily basis at the bench.

In addition, mentoring by experienced senior faculty is available through our cooperation with Humboldt Graduate School. See https://humboldt-graduate-school.de/en/services-en/mentor-en/mentoring-1?set_language=en

Additional features

Soft skills training: Transferable or soft skills are an important factor in employability, be it in science or outside. Completing a set of courses in this respect based on personal skills and need is a mandatory part of the program. In cooperation with Humboldt Graduate School we offer a variety of such courses. See: <https://humboldt-graduate-school.de/en/services-en/schluesselkomp2-en>

Support for conference visits: Funds for conference participation are included in the NeuroCure stipends. Otherwise, regular project funds must be used.

Clinical visits: Can be arranged where needed.

Stipends/grants funded within your program: Scholarships for PhD students are available through generous funding by the Cluster of Excellence Neuro Cure.