Are You the One We're Looking For?

We recruit students interested in basic cellular and molecular neurobiology research with a strong clinical connection. You need to have a solid background in biology, chemistry, physics and/or medicine. Our students need to demonstrate a high level of inquisitiveness, initiative and independent thinking.

Quick Facts:

- 2-year master's program – 3-year PhD
- Focus on basic science and translational research
- Intensive theoretical and practical training
- For students with a degree in natural sciences, medicine or psychology
- Excellent faculty
- Entirely taught in English
- Broad range of student services

TOP 10 2008
International Master's Degree Courses
Made in Germany

Translating findings at the bench into treatment at the bedside

From basic science to translational research

International Graduate Program Medical Neurosciences

MedNeuro

Information and Contact
www.medical-neurosciences.de
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Charité – Universitätsmedizin Berlin
International Graduate Program Medical Neurosciences
Charitéplatz 1 · 10117 Berlin – Germany

CHARITÉ UNIVERSITÄTSMEDIZIN BERLIN

NEUROCURE

www.medical-neurosciences.de

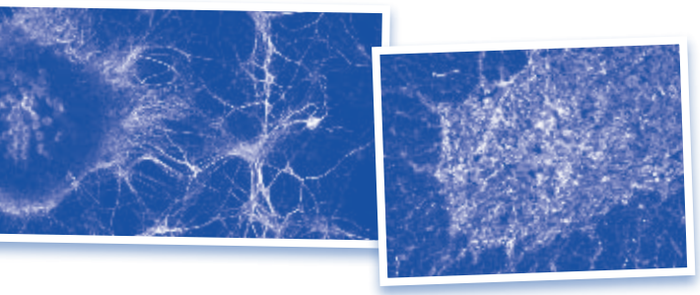
Your Research Career:

The program prepares students for a career in science:
MSc – PhD – postdoc – professor!

Our master's graduates continue on to do a PhD, either within our program or at world-renowned institutes such as Max Planck or Helmholtz. Some join top international research universities like McGill or Stanford. And those with a medical background keep working at the interface of research and patient care.

Five Good Reasons to Apply:

- Cutting-edge research by leading scientists working at the interface of bench and bedside
- Excellent basic research in neuroscience
- Intensive theoretical training and practical lab work provide the perfect basis for your PhD
- Friendly, international learning environment
- Small classes and close faculty contact



Research Areas:

Basic Neurobiology, Neuroanatomy, Neurophysiology, Synaptic Plasticity and Neural Excitability, Neuroimmunology, Neuroendocrinology, Sensory and Motor Systems, Pain, Neurodegenerative Diseases, Developmental Neuroscience, Cognitive Neuroscience, Behavioral Neuroscience

Neuroscience in Berlin

Neuroscience is one of the strongest research areas at the Charité. The Cluster of Excellence "NeuroCure" – funded by the German Excellence Initiative – is attracting some of the best talent in the field, further strengthening the program. **www.neurocure.de**

More than 60 internationally acclaimed scientists and leading experts in their field teach in the program. Students explore the latest research findings with the people who do the groundwork. Top laboratories of these renowned Berlin institutions are part of the program:

- Charité – Universitätsmedizin Berlin
- Humboldt-Universität zu Berlin
- Freie Universität Berlin
- Max-Delbrück-Centrum für Molekulare Medizin
- Max-Planck-Institut für Bildungsforschung
- Leibniz-Institut für Molekulare Pharmakologie

Campus Ambassadors

Former students around the world represent the program as Campus Ambassadors. As local points of contact, they will happily share their first-hand experiences with you. See our website for more details.

Faculty Testimonials

Prof. Dr. Dietmar Schmitz: "As Director of the Neuroscience Research Center, I am particularly proud of the great basic research infrastructure we offer to our students: MRI, two-photon microscope, small animal imaging center, state-of-the-art electrophysiological equipment and much more."

Schmitz et al (2006) Experimental febrile seizures are precipitated by a hyperthermia-induced respiratory alkalosis. Nature Medicine

Prof. Dr. Halina Machelska: "Thorough and objective analysis of findings, their physiological and clinical relevance as well as critical but constructive and creative thinking – this is what MedNeuro stands for."

Machelska et al (2009) Immune cell-derived opioids protect against neuropathic pain. J Clin Invest

Dr. Andrew Plested: "It's great fun to pass on the latest in molecular and cellular neuroscience to such a responsive audience, and then to bring the students into our own research labs to have a crack at it themselves."

Plested et al (2010) Domain organization and function in GluK2 subtype kainate receptors. Proc Natl Acad Sci

This is What Students Have Said:

... good basis for a future career ...
... such a range of methods and fields – you can really specialize ...
... one of the most interesting and exciting times in my life ...
... great mentors helping me to think like a researcher ...
... many lasting friendships were forged ...
... there was never a dull moment ...