# GERMAN GRADUATE SCHOOLS OF NEUROSCIENCE

**29 International Graduate Schools at a Glance**

Mostly tuition free — All teaching in English

# CONTENT


GERMAN GRADUATE SCHOOLS OF NEUROSCIENCE — 5

BERLIN

Berlin School of Mind and Brain — 6

International Graduate Program Computational Neuroscience (BCCN Berlin) — 7

International Graduate Program Medical Neurosciences — 8

Master Cognitive Neuroscience Berlin (MCNB) — 9

MSc Cognitive Neuroscience (Medical School Berlin) — 10

BOCHUM

International Graduate School of Neuroscience — 11

BONN

International Max Planck Research School (IMPRS) for Brain & Behavior — 12

Bonn International Graduate School (BIGS) of Neuroscience — 13

Master Program in Neurosciences — 14

BREMEN

MSc Graduate Program MASTER OF NEURO-SCIENCES — 15

FREIBURG

Interdisciplinary Master Program in Neuro-science — 16

GIESSEN

MSc Mind, Brain and Behavior — 17

GÖTTINGEN

Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences — 18

HAMBURG

Hamburg Brain School (HBS) — 19

HEIDELBERG

International Graduate Program of the Inter-disciplinary Center for Neurosciences Heidel-berg — 20

KAISERSLAUTERN

Master in Molecular and Medical Neuroscience — 21

KÖLN

MSc Experimental and Clinical Neuroscience, University of Cologne — 22

MSc Neuroscience, University of Cologne — 23

LEIPZIG

International Max Planck Research School on Cognitive NeuroImaging (IMPRS CoNI) — 24

Max Planck School of Cognition — 25

MAGDEBURG

Interdisciplinary Master Programme in Integrative Neuroscience — 26

MAINZ / FRANKFURT

Research School "Translational Biomedicine", Section Neurosciences — 27

MÜNCHEN

Graduate School of Systemic Neurociences (GSN-LMU): Integrated MSc and PhD Program in Neurosciences — 28

International Max Planck Research School – Biological Intelligence (IMPRS-BI) — 29

International Max Planck Research School for Translational Psychiatry (IMPRS-TP) — 30

OLDENBURG

Master and PhD program in Neuroscience — 31

TÜBINGEN

Graduate Training Centre of Neuroscience (GTC) International Max Planck Research School (IMPRS) — 32

ULM

MSc Program "Molecular and Translational Neuroscience (MTN)" — 33

WÜRZBURG

MSC Translational Neuroscience — 34

German Graduate Schools of Neuroscience is a network of 29 international neuroscience graduate schools that operate a joint website and market German neuroscience programs at major conventions. The network was founded to inform international students about the opportunity of studying neuroscience in master and doctoral/PhD programs. Some of these programs offer a fast track option but usually students in Germany do a 2-year master program and after that a 3–4 year doctoral/PhD program. **All programs in this booklet are taught in English.**

Our member programs offer specific information for international applicants on their websites. **Most master programs in Germany don't charge tuition fees. Doctoral and PhD programs are tuition free.** Some member programs offer scholarships for master and/or doctoral students. You will find more information on fees and scholarships in the member programs' entries in this booklet and on their websites.

Located in the heart of Europe, Germany with its more than 80 million inhabitants has a long-standing tradition of science and research. Today, there are 427 state-accredited universities in Germany with more than 18,000 degree programs in 180 cities, including our neuroscience programs. The map on the cover of this brochure shows where to find our member programs.

Germany's higher educational system is state-funded and decentralized. The universities and research organizations are largely independent. Regarding the terms of study there are no standard answers to study regulation questions – these will be answered by the individual programs.

This brochure provides applicants with specific information on our neuroscience programs as well as contact addresses and links for further reading.

**www.neuroschools-germany.com**

# BERLIN SCHOOL OF MIND AND BRAIN

6 The Berlin School of Mind and Brain is an international, English-language research school based at the Humboldt-Universität zu Berlin. It was founded in 2006 as part of Germany's Excellence Initiative.

Master's Program: The school offers a two-year interdisciplinary Master's program "Mind and Brain" (MSc).

Doctoral Program: The three-year interdisciplinary doctoral program is currently being restructured and will not be offering places for doctoral candidates.

**Focus**

Of particular interest are research questions that fall on the borders between the mind sciences (e.g. philosophy, behavioral and cognitive psychology, linguistics) and the brain sciences (e.g. neurology, psychiatry, neurobiology, computational neuroscience): perception, attention and consciousness; decision-making; language; lifespan development; mental disorders and brain dysfunction; and social cognition.

**Career Options for Master Students**

Research, education, and laboratories; academic management or areas where science and business, industry or politics overlap.

**Contact Information**

**CHAIR** MSc: Prof. Dr. Marcel Brass
**COORDINATOR** MSc: Dr. Dirk Mende
**E-MAIL** mb-master@hu-berlin.de
**WEB** www.mind-and-brain.de

**Deadline for Application**

MSc: May/June.
**PLACES** MSc: approx. 40 per year.
**SCHOLARSHIPS** None.
**TUITION FEE** None.

## BERLIN
# INTERNATIONAL GRADUATE PROGRAM COMPUTATIONAL NEUROSCIENCE (BCCN BERLIN)

The Master and PhD Programs at the Bernstein Center for Computational Neuroscience Berlin (BCCN Berlin) involve the four Berlin universities Technische Universität, Humboldt-Universität, Freie Universität, and Charité-Universitätsmedizin Berlin. Both the MSc and PhD Programs are interdisciplinary and strongly research oriented. They also offer a mentoring program and are embedded in a unique scientific environment. The language of instruction is English.

The PhD Program has been awarded with the "Einstein Foundation Doctoral Program" grant in 2022 and will be funded by this until 2025.

**Focus**

Understanding the functioning of the brain requires collaboration between neurobiologists, neuro-psychologists, cognitive scientists, medical researchers, computer scientists, mathematicians, physicists, and engineers, as well as an ongoing interplay between theoretical and experimental approaches. Our goal is to educate master's and PhD students to communicate across these diverse disciplines and work on highly challenging projects, enabling them to contribute to the fast growing field of neuroscience via their own autonomous research.

Research in the Master Program takes the form of lab rotations and the master's thesis. In the structured Doctoral Program the research project is complemented by course work.

**Career Options for Master Students**
The MSc qualifies for jobs in the field of programming, machine learning and a scientific career.

**Career support for Postdocs**
The BCCN Berlin has established a Postdoc Network with several activities and offers to support the career development of BCCN Berlin Postdocs.

**Contact Information**
**CHAIR** Prof. Dr. Klaus Obermayer
**COORDINATORS** Lisa Velenosi and Darko Komnenić
**E-MAIL** graduateprograms@bccn-berlin.de
**WEB** www.computational-neuroscience-berlin.de

**Deadline for Application**
MSc/PhD: 15 March.
**PLACES** MSc: 15 per year; doctoral program: admission with other funding measures is possible.
**SCHOLARSHIPS** Fellowships and paid PhD positions in associated labs are available.
**TUITION FEE** None.

BERLIN

# INTERNATIONAL GRADUATE PROGRAM MEDICAL NEUROSCIENCES

8 Medical Neurosciences, hosted by the Charité, offers research-focused training for natural scientists and physicians. The program provides a thorough education, qualifying for basic neurosciences as well as translational research. As part of the Cluster of Excellence NeuroCure and of the Einstein Center for Neurosciences Berlin, it offers access to its many different research institutions, with research focuses ranging from molecular to systems neuroscience.

**Focus**

The Medical Neurosciences program combines basic science and clinical research into a translational approach focusing on the central and peripheral nervous systems. Its structure enables MSc and PhD students alike to develop an individual curriculum, taking individual backgrounds and project related needs into account, so students can tailor it to their interests and specific research requirements. Apart from the Cluster of Excellence NeuroCure and the Einstein Center for Neurosciences, close cooperation with many programs and institutions including the Bernstein Center for Computational Neuroscience Berlin and the Berlin School of Mind and Brain, the BIH QUEST Center and Spark Berlin offer plenty of opportunities for training interactions and interdisciplinary exchange.

**Career Options for Master Students**

Most graduates pursue an academic career (PhD, Medical School). However, transitions to industrial research, patent law and similar careers in corporate environments occur frequently.

**Career Support**

Medical Neurosciences supports and is actively involved in the Career Development Initiative which supports career development inside and outside of academia.

**Contact Information**

**CHAIR** Prof. Dr. Helmut Kettenmann
**COORDINATOR** Dr. Benedikt Salmen
**E-MAIL** office-medneuro@charite.de
**WEB** https://medical-neurosciences.charite.de/en/
www.neurocure.de
www.ecn-berlin.de

**Deadline for Application**

MSc: 15 January.
PhD: 15 January, 15 May, 15 September.
**PLACES** MSc: 15 per year; PhD: not limited.
**TUITION FEE** €2,500/semester (only for MSc students).

# MASTER COGNITIVE NEUROSCIENCE BERLIN (MCNB)



The MSc Cognitive Neuroscience at Freie Universität Berlin is a two-year research-oriented international study program. Students obtain broad theoretical and methodological knowledge in analysing and predicting the neurocognitive foundations of behaviour. The program qualifies students for scientific work in the fields of fundamental and applied research with neurocognitive methods.

**Focus**

The MCNB program is hosted by the Department of Education and Psychology and the Center for Cognitive Neuroscience Berlin (CCNB). Work in the associated research groups focusses on the neural basis of perception, decision making, and consciousness, combining non-invasive neurocognitive experimentation (M/EEG, fMRI) and computational modelling.

The first year of the course comprises modules on Cognitive Neuroscience (Action, Perception, Cognitive Control, Memory, Emotion, Language, and Consciousness), Neurocognitive Methods and Data Analysis, Probabilistic and Statistical Modelling, Programming, Cognitive Neuroscience Research Practice (Neuroanatomy, Good Scientific Practice, Current Topics) and a Neurocognitive Methods Practical (including fMRI/EEG data collection and analysis). The second course year is dedicated to individual study and research projects, including the Master thesis project. The hands-on approach of the second year is supplemented by a Research Workshop, and Elective Modules. The program is open to domestic and international students holding a Bachelor's degree in psychology, neurosciences, cognitive sciences, physics, biology, computer science or an equivalent of the aforementioned fields. The academic year starts in October.

**Contact Information**

**CHAIR** Gianluigi Giannini
**COORDINATOR** Studienbüro Psychologie
**E-MAIL** info-mcnb@ewi-psy.fu-berlin.de
**WEB** https://www.ewi-psy.fu-berlin.de/mcnb

**Deadline for Application**

31 May.
**PLACES** 20 per year.
**SCHOLARSHIPS** None.
**TUITION FEE** None.

# MSC COGNITIVE NEUROSCIENCE (MEDICAL SCHOOL BERLIN)



The MSc Cognitive Neuroscience at Medical School Berlin is a two-year, research-oriented study program at the interface of psychology, neuroscience, and technology. Our program combines intensive, high-quality teaching with active participation in cutting-edge research. You will benefit from close interaction with faculty in a modern research environment. The program places strong emphasis on quantitative and technical competencies such as data analysis, statistical modelling, and programming. It is therefore particularly well suited if you want to complement a background in psychology or psychotherapy with more technical, data-driven skills and expand your career perspectives.

Our program has a focus on experimental research and you will learn to measure and interpret neural and physiological processes. You will work with methods such as EEG, fMRI, eye tracking, and neurostimulation.

In the first year, you will build a structured foundation across core domains of cognitive neuroscience, including perception, cognition, and emotion, while developing practical skills in experimental design, data acquisition, and statistical evaluation. The training is complemented by modules on neuroanatomy, good scientific practice, and scientific writing.

In the second year, you will deepen your individual profile with elective courses that allow you to specialize in areas such as consciousness research, neurostimulation, or clinical neuroscience. You will then work on projects in the lab and complete your Master's thesis.

**Career Options for Master Students**
Graduates have an excellent basis for pursuing a PhD, as well as to work in medical technology and the growing field of e-health or data science, particularly in the area of technical wellbeing-oriented technologies, and in≈innovation-driven fields such as brain computer interfaces.

**Contact Information**
**CHAIR/COORDINATOR** Timo Torsten Schmidt
**E-MAIL** application@medicalschool-berlin.de
**TELEPHONE** +49 30 76 68 375 -654
**WEB** https://www.medicalschool-berlin.de/master/cognitive-neuroscience/

**Deadline for Application**
Applications are welcome throughout the year.
**PLACES** Not restricted.
**TUITION FEE** €795/month.

# INTERNATIONAL GRADUATE SCHOOL OF NEUROSCIENCE



The International Graduate School of Neuroscience (IGSN) of the Ruhr University Bochum, offers research and education opportunities in all aspects of neuroscience from the molecular level to higher cognitive functions. The interdisciplinary nature is represented by the four member faculties of Biology, Chemistry, Medicine, and Psychology and the Institute for Neural Computation.

**Focus**

The traditional educational approach of studying one academic discipline cannot equip a modern neuroscientist to compete in the international field. Transdisciplinary and multidisciplinary educational approaches must be evolved to enable young neuroscientists acquire the best possible grounding in neuroscience research.

The IGSN incorporates neuroscientists of high international renown, who work in very diverse scientific disciplines, to achieve this goal. The mission of the IGSN is to generate a cooperative synergy among these scientists, from which young neuroscientists can benefit through the acquisition of high-level transdisciplinary PhD training.

Through highly-focused, individualized PhD training, we aim to enable fast-track PhD training that culminates in a qualitative PhD in Neuroscience within 36 months. Combined with soft skills training and a state-of-the-art English language curriculum, our goal is to give young neuroscientists from all over the world the best possible education, which will in turn serve as a launch-pad for an outstanding career in the field of neuroscience.

**Contact Information**

**DIRECTOR / DEAN OF STUDIES**
Prof. Dr. Denise Manahan-Vaughan
**COORDINATOR** Ms Ursula Heiler, M.A.
**E-MAIL** igsn@rub.de
**WEB** www.rub.de/igsn

**Deadline for Application**

Applications are welcome throughout the year.
**TUITION FEE** None.

## BONN
## INTERNATIONAL MAX PLANCK RESEARCH SCHOOL (IMPRS) FOR BRAIN & BEHAVIOR

12 Uniting the Max Planck Institute for Neurobiology of Behavior – caesar, the University of Bonn, a "University of Excellence", and the German Center for Neurodegenerative Diseases (DZNE) in Bonn, the International Max Planck Research School (IMPRS) for Brain and Behavior offers a competitive world-class PhD program in neuroscience since 2016.

Our program offers 10 fully-funded positions each year for outstanding students holding a relevant Master's degree. We especially encourage students from neuroscience, mathematics, informatics, computer science, physics, engineering, and life science backgrounds to apply. We offer the possibility to perform lab rotations before choosing a supervisor. The program is taught in English.

**Focus**

Our research program addresses how the collective activity of the vast numbers of interconnected neurons in the brain gives rise to the plethora of animal behaviors. The level of analysis ranges from understanding molecular signaling cascades in spines during learning to understanding how sensory and motor circuits are activated in awake behaving animals. Students admitted to this unique IMPRS program will profit tremendously from the range of cutting-edge techniques as many of the IMPRS faculty have developed key methods that have been instrumental in better understanding brain circuit function in the whole animal.

**Career Support for Doctoral Students**

Neuroscience boot camp. Travel grants to attend international conferences; extended research stays at other institutions. Soft skills courses. Thesis advisory committee. Support by coordinator and international office. Family support.

**Contact Information**

**SPEAKER** Dr. Kevin Briggman
**COORDINATOR** Eva Gentes
**E-MAIL** imprs.info@mpinb.mpg.de
**WEB** https://imprs-brain-behavior.mpg.de

**Deadline for Application**

1 November.
**PLACES** 10.
**SCHOLARSHIPS** All positions are fully-funded.
**TUITION FEE** None.

BONN

# BONN INTERNATIONAL GRADUATE SCHOOL (BIGS) OF NEUROSCIENCE

The BIGS Neuroscience program at the University of Bonn is designed for aspiring neuroscientist and offers an excellent education that imparts a broad neuroscientific knowledge and qualifies for a career in basic or translational research. The program provides access to the Bonn Neuroscience community which focuses on topics ranging from molecular and cellular neurobiology, behaviour, computational neuroscience to psychology. Students can use advanced technology platforms and core facilities. BIGS Neuroscience cooperates with other local graduate programs such as the BIGS Clinical and Populations Science.

**Focus**

BIGS Neuroscience specialises in training PhD students in the methods that enable them to investigate the molecular, cellular, circuit and computational mechanisms underlying complex behaviour and apply these insights to gain a better understanding of the processes underlying brain disorders.

Our structured, interdisciplinary program includes scientists from different faculties (mathematics and natural sciences, medicine, arts) and research centres (University of Bonn, German Center for Neurodegenerative Diseases (DZNE), The Life & Medical Sciences Institute (LIMES) and The Max Planck Institute (MPI) for Neurobiology of Behavior). The curriculum consists of a summer school, a student retreat, method and soft skills courses, progress reports, scientific seminars as well as poster and oral presentations. Depending on their academic education, doctoral students can graduate with one of the following degrees: Dr. rer. nat., Ph. D., Dr. phil.

**Career Support for Doctoral Students**

High quality mentoring, summer schools, soft skills and methods courses and comprehensive career development programs. Grants for the participation in international conferences and workshops. The competitive BIGS Neuroscience Thesis Award is provided annually for the best thesis.

**Contact Information**

**CHAIR** Prof. Dr. Sandra Blaess
**COORDINATORS** Dr. Marion Rozowski and Paunica Giesler
**E-MAIL** info@bigs-neuroscience.de
**WEB** www.bigs-neuroscience.de

**Deadline for Application**

Applications are welcome throughout the year. Applicants must have a position in one of the BIGS Neuroscience associated research groups before applying to our program. Please consult our webpage.
**PLACES** Not restricted.
**TUITION FEE** None.

## BONN
## MASTER PROGRAM IN NEUROSCIENCES



The MSc Neurosciences at the University of Bonn is a two-year research oriented, international study program. The curriculum is entirely taught in English and divided into modules, combining courses, lectures, seminars and laboratory work.

The major objective of the MSc Neurosciences program is to train talented students in the rapidly expanding field of Neuroscience.

The Bonn International Graduate School (BIGS) Neuroscience and the International Max Planck Research School (IMPRS) for Brain and Behavior provide a coordinated curriculum that builds upon our Master's program Neurosciences.

**Focus**

During the first semester three compulsory modules in neuroanatomy, neurophysiology and molecular neurobiology provide the basics in neurosciences. Additionally, students have to choose one elective module. In the second semester a fourth compulsory module propagates knowledge in statistics, research ethics, and scientific writing. Three elective modules from different research fields complete the second semester. In the third semester students have to select two compulsory practical trainings. Finally, in the fourth semester, the program is completed by writing the Master's thesis.

The program is open to domestic and international students holding a Bachelor's degree or higher in one of the life sciences, including biology, neurosciences, medicine, pharmacy, biochemistry, biophysics, or related fields. The academic year starts in mid-October, following a week of orientation. Applications are welcome even if the required degree has not been awarded by the time of application as long as this will be conferred before courses start in October.

**Career Options for Master Students**

Successful graduates are proficient to engage in future ground-breaking research and start careers in a large variety of associated medical and biological fields.

**Contact Information**

**CHAIR** Prof. Dr. Christian Henneberger
**COORDINATOR** Dr. Silke Künzel
**E-MAIL** neurosciences@uni-bonn.de
**WEB** www.neurosciences.uni-bonn.de

**Deadline for Application**

30 March.
**PLACES** 20 per year.
**TUITION FEE** None.

# MSC GRADUATE PROGRAM MASTER OF NEUROSCIENCES



The international Master of Neurosciences Program at the University of Bremen educates students to become researchers in the field of neuroscience. Studies are guided by the concept of inquiry-based learning and interdisciplinarity, which is emphasized through collaborative teaching by researchers from the departments of Biology, Physics & Electrical Engineering, Mathematics & Computer Sciences, and Psychology. After providing fundamental training, the program offers a specialization in experimental and/or in computational neurosciences, which allows students to develop their individual skills towards neuroscientific or application-oriented research. With the advanced studies focusing on specific topics and building particular methodical capabilities, students are well prepared to finally master ambitious research options in their lab projects and master thesis – either in Bremen, Germany or going abroad.

**Focus**

The MSc program focuses on understanding complex networks of neurons, and how they give rise to perception, cognition, emotions and conciousness. Students acquire the knowledge to observe many neurons in parallel and to quantify their collective dynamics, and they learn how to interact with the brain for causally investigating its function and for establishing bidirectional communication for prosthetic applications. Experimental approaches are hereby complemented with theoretical methods including neural network modelling, simulation, and data analysis using state-of-the-art techniques in deep networks, machine learning, predictive coding, and information theory.

**Career Options for Master Students**

The program allows access to neuroscientific basic and clinical research as well as many industrial sectors.

**Contact Information**

**COORDINATOR** Dr. Udo Ernst
**E-MAIL** mscneuro@uni-bremen.de
**WEB** www.uni-bremen.de/mscneuro

**Deadline for Application**

30 April.
**PLACES** 25 per year (MSc).
**TUITION FEE** None.

# INTERDISCIPLINARY MASTER PROGRAM IN NEUROSCIENCE



The MSc Neuroscience program provides theoretical and practical training in neuroscience, covering both the foundations and the latest research in the field. We offer specialisations in computational neuroscience, neural circuits and behavior, and neurotechnology and our modular course structure caters to the specific backgrounds and research interests of each student.

**Focus**

The English-taught two-year course is offered by labs from three faculties and research centers. Transcending the neuroscientific disciplines, our program takes an integrated approach: incorporating skill training and education in a wide range of theoretical and experimental methods, students are encouraged to approach problems from different angles. The program starts in October and will last two years. After finishing your first term learning the methodological and scientific foundations, you have the opportunity to select an individual research path. Graduates of the neurosciences have made academic careers as lecturers and professors. They can also be found in the healthcare and service sectors.

**Contact Information**

**CHAIR** Prof. Dr. Carsten Mehring
**COORDINATOR** Christina Kress-Metzler
**E-MAIL** mscneuro@uni-freiburg.de
**WEB** www.mscneuro.uni-freiburg.de

**Deadline for Application**

31 May.
**PLACES** 25 per year.
**TUITION FEE** Tuition fee for international students (non EU-citizens) and for a second degree – please read following Web-Page: https://www.studium.uni-freiburg.de/en/student-services

# MSC MIND, BRAIN AND BEHAVIOR



Understanding human perception and behavior is one of the greatest challenges facing science. Fueled by recent advances in artificial intelligence, there is a growing need in numerous application areas for expertise in methods and models addressing this mystery. Mind, Brain and Behavior is a research-oriented, international Master's program at the University of Giessen, Germany, aimed at training the next generation for research and application in cognitive and behavioral neurosciences.

**Focus**

Our program is designed to provide essential skills for a career in academia or industry in cognitive and behavioral neurosciences by combining theoretical and hands-on methods courses. Theoretical courses are taught by renowned experts and address for example perception and action, cognition, and perception of colors and materials. Hands-on courses cover a range of key empirical methods, including functional magnetic resonance imaging, electroencephalography, measurements of eye and body movements, computer graphics, virtual reality, computational modelling and machine learning. The program is part of the Cluster of Excellence "The Adaptive Mind," which belongs to Germany's highest tier of funding for collaborative research networks. We have a network of close national and international collaboration partners in academia and industry interested in core topics and methods of the program (e.g., Meta Reality Labs or SR Research).

Our interdisciplinary program is open to domestic and international students holding a Bachelor's degree in Psychology, Cognitive Science, Neurosciences or related fields.

**Career Options for Master Students**

The program qualifies for jobs in academia and industry, for example in human-machine interaction, virtual reality, autonomous driving, cognitive robotics, or machine learning.

**Contact Information**

**CHAIR** Prof. Dr. Katja Fiehler
**COORDINATOR** Dr. Filipp Schmidt
**E-MAIL** mbb-coordinator@psychol.uni-giessen.de
**WEB** https://www.uni-giessen.de/studium/master/mbb

**Deadline for Application**

Online applications from 1 December until 15 June; international students are particularly encouraged to apply early.
**PLACES** 30 per year.
**SCHOLARSHIPS** None.
**TUITION FEE** None.

## GÖTTINGEN

# GÖTTINGEN GRADUATE CENTER FOR NEUROSCIENCES, BIOPHYSICS, AND MOLECULAR BIOSCIENCES

18 The integrated MSc/PhD/MD-PhD Program/International Max Planck Research School for Neurosciences is open for candidates with a Bachelor's degree in the natural sciences and related fields. The program is part of the Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB) offered by the University of Göttingen, the Max Planck Institute for Multidisciplinary Sciences, the Max Planck Institute for Dynamics and Self-Organization, the European Neuroscience Institute, and the German Primate Center. All courses are taught in English. Scholarships are available.

**Focus**

Successful applicants with a BSc degree participate in a multidisciplinary, research-oriented program. Throughout the first MSc year a comprehensive lecture series covers relevant fields in molecular, cellular, behavioral, theoretical and clinical neurosciences. Class members carry out three research projects of two months each. Special emphasis is put on individual advice and intensive training in small groups.

The transition to the three-year PhD period can either be direct via the fast track (no MSc thesis) or after completing a six-month master's thesis, leading to an MSc degree. Throughout the dissertation advanced methods courses, professional skills training, and funding for participation in international conferences are provided.

Graduates holding an MSc degree can directly apply for PhD positions in the Graduate Center GGNB.

**Career Options for Master Students**

After the first MSc year BSc graduates may qualify for direct admission to a PhD project without completing a master's thesis (fast track). Alternatively, the PhD phase can be started after a six-month MSc thesis. MSc graduates are invited to directly apply to GGNB.

**Career Support for Postdocs**

GGNB runs its own Career Service Unit to support postdoctoral researchers and late-stage doctoral students.

**Contact Information**

**COORDINATOR** Dr. Jonas Barth
**E-MAIL** gpneuro@gwdg.de
**WEB** www.gpneuro.uni-goettingen.de, www.ggnb.uni-goettingen.de

**Deadlines for Application**

For BSc degree holders: 15 January.
For MSc degree holders: no deadline in GGNB.
**PLACES IN MSC/PHD CLASS** 20 per year.
**TUITION FEE** None.

# HAMBURG BRAIN SCHOOL (HBS)



The Hamburg Brain School (HBS) is the graduate school of the Hamburg Center of Neuroscience (HCNS). The HCNS comprises more than 400 scientists of 27 institutes and clinical departments at the University Medical Center Hamburg-Eppendorf (UKE), the University of Hamburg and the Helmut-Schmidt University. The HBS has originated as a result of the CRC 936 Graduate School and has been launched in 2021.

We offer structured education and training for PhD students, medical doctoral students, as well as young postdocs in an international research environment. In addition to specific research and methods courses, our training program features lectures and seminars by invited speakers, workshops, international symposia, student retreats, as well as events for socializing and networking.

**Focus**

Our faculty comprises leading researchers holding numerous national and international collaborative projects from neuroscience, psychology, biology, neurology, psychiatry and computer science. Together, we provide a network of interacting labs and clinical groups distinguished by scientific excellence and outstanding achievements.

Our goal is to understand mechanisms of brain function and dysfunction, and to translate this knowledge into clinical applications. In addition to understanding the foundations of behavior and cognition in natural systems, an important focus of our research is on investigating and developing artificial cognitive systems.

**Career options for PhD students**

Successful HBS graduates have acquired excellent research skills and soft skills and, thus, are highly qualified for successful academic or industry careers in a large variety of medical, neuroscientific, computational, engineering, data scientific, and biological fields.

**Career support for Postdocs**

The HBS has established a postdoc network with additional activities to support the career development of postdocs. Furthermore, the UKE offers various mentoring programs for early postdoctoral researchers.

**Contact Information**

**SPEAKER** Prof. Dr. Andreas K. Engel
**COORDINATOR** Dr. Sina A. Trautmann-Lengsfeld
**E-MAIL** info@hamburgbrainschool.de
**WEB** https://hamburgbrainschool.de

**Deadline for Application**

None, ongoing initiative application possible (see HBS website for details)
**TUITION FEE** None.

## HEIDELBERG
# INTERDISCIPLINARY CENTER FOR NEUROSCIENCES: MSC NEUROSCIENCE, AND PHD PROGRAM



The Interdisciplinary Center for Neurosciences (IZN) at Heidelberg University ranks among Germany's largest neuroscience hubs, uniting more than 60 research groups from Heidelberg University, Heidelberg/Mannheim University Clinics, the German Cancer Research Center (DKFZ), the European Molecular Biology Laboratories (EMBL), the Central Institute of Mental Health (CIMH) Mannheim and the Technische Hochschule Mannheim (TH-Mannheim). A strong network, also due to several collaboratory research centers (SFBs), exists.

**Focus**

The research of the IZN spans the full spectrum – from molecules to the clinic – and focusses on five main areas:

- Neurodegeneration, Neuroinflammation & Chronic Pain
- Synaptic Functions, Neuronal Ensembles, Neuroinformatics & Cognitive Functions
- Neurodevelopment, Brain Organoids & Tissue Engineering
- Drug Discovery & Therapy Development
- Cancer Neuroscience

Excellent conditions are provided:

- access to many high-end technology platforms (www.cctp.uni-heidelberg.de/en/core-facilities-and-technology-development)
- community building through seminars/lectures/summer school
- Certificate of Advanced Studies (CAS) in Cognitive Science as extra option for MSc and PhDs

**Career Support**

High quality mentoring, soft skills and practical courses, retreats. Foundation BrainAid awards. Also support from the Heidelberg Graduate Academy (training, seminars, and more).

**Contact Information**

**COORDINATOR MAJOR NEUROSCIENCE PROGRAM** Dr. Victor Winter
**E-MAIL** winter@uni heidelberg.de
**WEB** www.izn.uni-heidelberg.de/en/teaching/neuroscience-major
**SPEAKER MAJOR NEUROSCIENCE PROGRAM AND IZN-INTERNATIONAL GRADUATE PROGRAM** Prof. Dr. Christoph Schuster
**E-MAIL** IZN-GradSchool@uni-heidelberg.de
**WEB** www.izn.uni-heidelberg.de/en/teaching/international-graduate-program

**Deadlines for Application**

MSc: 15th March, PhD: open.

# MASTER IN MOLECULAR AND MEDICAL NEUROSCIENCE



Brain disorders like neurodegeneration and neuropsychiatric diseases present a major health problem with limited treatment options available. What are the molecular mechanisms underlying disease and how do they translate into brain dysfunction causing neurological and psychiatric symptoms? The Master Program at the Technical University of Kaiserslautern-Landau (RPTU) provides fundamental background knowledge as well as practical training in state-of-the-art techniques for addressing the challenges of molecular and medical neuroscience. It is a small program with a familiar atmosphere and an exceptional student-to-faculty ratio allowing for close interactions. Early on students start experimenting in the faculty labs with access to advanced approaches in genetics, molecular biology, biochemistry, bioinformatics, electrophysiology, optogenetics, behavioral neurobiology, super-resolution microscopy and in vivo 2-photon imaging. Participants will also have the possibility to become familiar with diverse model systems ranging from primary neuron cultures to Drosophila, rodents and human iPSC derived cellular models.

**Focus**

The 2-year study program provides research-oriented training that employs cutting-edge technologies to address neurobiological questions and their analysis at the molecular, cellular and systemic level. The program comprises a series of interactive reading courses to provide students with in-depth theoretical background and the ability to analyze and discuss current research, 3 extended lab rotations to acquire technical and analytical skills, and a master thesis to develop the students' ability to conduct independent scientific research and to write up and present their scientific results.

**Career Options for Master Students**

Successful candidates will be qualified for research in basic neurobiology and translational biomedical neuroscience, in academia and industry, and also for pursuing a PhD.

**Contact Information**

**COORDINATOR** Prof. Dr. Jan Pielage
**E-MAIL** pielage@rptu.de
**WEB** https://applymsc.bio.uni-kl.de

**Deadline for Application**

April 30 for fall semester (Oct) start;
October 31 for summer semester (Apr) start
**PLACES** 12
**TUITION FEE** None.

KÖLN

# MSC EXPERIMENTAL AND CLINICAL NEUROSCIENCE, UNIVERSITY OF COLOGNE

22 The Master in Experimental and Clinical Neuroscience is a two-year interdisciplinary program jointly organized by the Faculty of Medicine and the Faculty of Mathematics and Natural Sciences. It offers research-oriented training in basic, preclinical and clinical neuroscience for students with a background in the natural sciences. The flexible and modular structure of the program allows for an individual curriculum tailored to the student's background and interests.

**Focus**

The goal of this international program is to enable students to work independently on neuroscientific research questions by planning and carrying out experiments towards a scientific goal. A large variety of modules offered during the first and second term covers a broad spectrum of topics and methods to allow students to individually define their path of study. During the third term, students will complete two independent scientific projects in form of lab rotations, which can also be conducted abroad. In the final term students will complete their degree with a master thesis project during a period of six month. This program collaborates with the MSc Neuroscience program at the University of Cologne to additionally offer a strong quantitative component in neurobiology-oriented courses.

**Career Options for Master Students**

Successful candidates have access to basic, clinical and translational research in academia and industry. A strong and vibrant research community at the University of Cologne, the University Hospital Cologne and in the broader Cologne region provides many opportunities for future PhD projects in the experimental and clinical neurosciences supported by structured doctoral programs and graduate schools.

**Contact Information**

**CHAIR OF THE EXAMINATION BOARD** Prof. Dr. Heike Endepols
**PROGRAM COORDINATOR** Prof. Dr. Dr. Kai Vogeley
**COORDINATION OFFICE** Samir Delonge
**E-MAIL** samir.delonge@uk-koeln.de
**WEB** https://neuroscience.uni-koeln.de/studium/master

**Deadline for Application**

Starting with summer term: 15 January
Starting with winter term: 15 July
**PLACES** 20 per year, the program starts twice a year with the winter term (October) and summer term (April)
**TUITION FEE** None.

# MSC NEUROSCIENCE, UNIVERSITY OF COLOGNE



The MSc Neuroscience at the University of Cologne offers a two-year international program with a research-oriented curriculum that covers basic concepts and latest research in nervous system function, specifically information processing, cognition and behavior. The program is open to students interested in neuroscience with various backgrounds including degrees in the natural sciences, psychology, computer science or engineering. A modular course structure allows for an individualized curriculum tailored to the student's background and research interests.

**Focus**

The curricular training aims at a systems level understanding of how animals perceive and process sensory information, how they form memories and make decisions, and how the motor system is controlled to generate adaptive behavior. Integrative course modules combine lectures and seminars with practical work where skill training is offered in experimental and computational neuroscience using our excellent teaching facilities.

The first term covers the fundamental knowledge in molecular, cellular and systems neuroscience in lectures, seminars and practical tutorials. In the second term students can combine their choice of specialized modules from a broad range of topics. During the third term students will pursue two research projects of their choice in the form of lab rotations. In the final term the students will conduct a six-month master thesis project.

**Career Options for Master Students**

Successful candidates will have access to basic and applied research and development in academia and industry. The strong and vibrant neuroscience research community in Cologne and the surrounding region offers many possibilities for a future PhD project and the University of Cologne provides structured PhD programs in specialized graduate schools.

**Contact Information**

**PROGRAM COORDINATOR** Prof. Dr. Martin Nawrot
**STUDY COORDINATOR** PD. Dr. Thomas Riemensperger
**E-MAIL** ms-neuroscience@uni-koeln.de
**WEB** https://biologie.uni-koeln.de/studium-lehre/studierende/master-of-science-msc/msc-neuroscience

**Deadline for Application**

15 July
**PLACES** 18 per year, the program always starts with the winter term (October)
**TUITION FEE** None.

LEIPZIG

# INTERNATIONAL MAX PLANCK RESEARCH SCHOOL ON COGNITIVE NEUROIMAGING (IMPRS CONI)



The IMPRS CoNI is based at the Max Planck Institute for Human Cognitive and Brain Sciences and Leipzig University and has partnerships with TU Dresden and UCL London. This brand-new three-year graduate program for international PhD students covers the highly interdisciplinary and fast-paced fields of cognitive neuroscience, clinical and translational neuroscience, and neuroimaging.

Introductory courses and project-specific advanced training provide doctoral students with a solid foundation for their theses. An emphasis on neuroimaging and computational modeling strengthens the foundation further and enables new types of doctoral projects at the leading edge of the field.

**Focus**

The IMPRS CoNI comprises three modules for training and research:

- Cognitive Neuroscience
- Clinical and Translational Neuroscience
- Development of Neuroimaging Methods and Modeling Methods

Innovative teaching approaches including hybrid teaching, flipped classroom activities, as well as remote learning elements aim at accelerating students' learning curves. Curricular activities are adapted to individual backgrounds via individual development plans (IDP), while quality management such as peer evaluation and frequent faculty feedback ensure consistency. The program also focuses on Open Science and provides students with skills in research data management.

Additionally, the strong methodological focus of the school draws on the presence of all major neuroimaging techniques at the institute as well as cutting-edge equipment, such as:

- 3T and 7T MRI
- PETMRI
- Simultaneous EEGMRI
- TMSMRI, TDCSMRI
- Connectome MRI scanner with ultra-high magnetic field gradients

**Career Support for Doctoral Students**

IDP; soft skills courses; alumni program; financial support conference visits; international office; research stays at one of the partner sides.

**Contact Information**

**CHAIR** Prof. Dr. Nikolaus Weiskopf
**DEPUTY CHAIR** Prof. Dr. Gesa Hartwigsen
**COORDINATOR** Dr. Veronika Krieghoff
**E-MAIL** imprsconi@cbs.mpg.de
**WEB** www.imprsconi.mpg.de
**TWITTER** @IMPRSCoNI

**Deadline for Application**

2 November
**PLACES** 15–20 per year.
**TUITION FEE** None.

# MAX PLANCK SCHOOL OF COGNITION



The English-taught doctoral program offers exceedingly bright students a superior grasp of the different methods and approaches in the rapidly evolving field of Cognition. Founded in 2018 as a collaboration between the Federal Ministry of Education and Research and the Max Planck Society, the school has an outstanding faculty from diverse scientific backgrounds. The PhD program starts with a one-year orientation period followed by three years of research for the doctorate and is fully funded.

**Focus**

The Max Planck School of Cognition doctoral program has a multidisciplinary approach aiming at excellent international applicants from diverse backgrounds. It bridges the gap between various disciplines such as neuroscience, biology, computer science, psychology, genetics or philosophy. Students take e-learning courses in related fields. Furthermore, they will attend classroom weeks and work with their selected supervisors to execute a feasible project for their doctorate. PhD degrees will be awarded by the university to which the supervisor is affiliated. Students with a Bachelor's (fast-track) or a Master's degree can apply to the four-year doctoral program.

**Career Options**

Students with backgrounds in artificial intelligence, biology, cognitive neuroscience/neuroscience, genetics, linguistics, mathematics, neurobiology, neurology, psychiatry, philosophy, and psychology are encouraged to apply to the Max Planck School of Cognition. The program consists of an orientation year (basic courses, lab rotations) followed by three years of research for their doctorate.

**Contact Information**

**SPEAKERS** Prof. Dr. Arno Villringer (Leipzig); Prof. Dr. Katrin Amunts (Düsseldorf)
**SCIENTIFIC COORDINATOR** Dr. Natacha Mendes
**E-MAIL** natacha.mendes@maxplanckschools.de
**WEB** https://cognition.maxplanckschools.org/en

**Deadline for Application**

In autumn – please consult webpage.
**PLACES** 25 PhD students per year.
**SCHOLARSHIPS** Available.
**TUITION FEE** None.

## MAGDEBURG
# INTERDISCIPLINARY MASTER PROGRAMME IN INTEGRATIVE NEUROSCIENCE



The “MSc Integrative Neuroscience” is an interdisciplinary research degree offered by the Otto-von-Guericke University Magdeburg. It prepares students for doctoral studies and a professional career in neuroscience, is taught entirely in English, and is targeted equally at German and international students.

The MSc programme focuses on the neural basis of animal and human behaviour and covers an exceptionally wide range of neuroscience approaches, including molecular, cellular, systems, behavioural, cognitive, and theoretical neuroscience. It also emphasizes computational and theoretical skills, which are becoming increasingly indispensable.

**Focus**

The MSc Integrative Neuroscience programme opens to its students almost the entire spectrum of advanced neuroscience research. This includes animal behaviour and neurophysiology, human cognition and functional brain imaging, numerous advanced techniques such as spectroscopy, optogenetics, two-photon microscopy, molecular dynamics, and more, as well as related fields such as medical neuroscience, neuroprosthetics, neuro-inspired engineering, and neuroeconomics.

The MSc Integrative Neuroscience programme provides a broad foundation in the basic areas of neuroscience. This includes molecular and cellular neuroscience, systems and behavioural neuroscience, as well as theoretical and computational neuroscience. Students take core courses in all of these areas and choose from a range of advanced courses. They perform practical or laboratory exercises in all core areas and spend several weeks each in three research laboratories. The wide range of areas and requirements makes for an intensive and rewarding study experience.

**Career Options for Master Students**

The MSc qualifies equally for doctoral studies and for a non-academic professional career in neuroscience.

**Contact Information**

**CHAIR** Prof. Jochen Braun, PhD
**COORDINATOR** Nicole Zenker
**E-MAIL** neurosci@ovgu.de
**WEB** https://www.neuroscience-magdeburg.de

**Deadline for Application**

15 March.
**PLACES** 40 per year.
**SCHOLARSHIPS** Up to 2 for students with excellent results after the first exam period.
**TUITION FEE** None.

## MAINZ / FRANKFURT
# RESEARCH SCHOOL "TRANSLATIONAL BIOMEDICINE", SECTION NEUROSCIENCES

The MD-PhD/PhD Program of "Translational Biomedicine" at the Johannes Gutenberg University in Mainz is a structured training program, which combines biomedical and translational research with clinical training elements. Whereas medical graduates typically face the problem of simultaneously acquiring research skills and dealing with clinical obligations, natural science graduates need to gain insight into relevant unmet medical needs and to obtain access to patient material.

A central purpose of our program is to develop young medical graduates and natural science graduates with an aim to enabling them to become future leaders in the field of biomedical neuroscience, both in academia as well as in the pharmaceutical industry.

**MD-PhD Program in Translational Biomedicine, Neuroscience for Medical Graduates**
The program offers an integrated training curriculum for medical graduates interconnected with clinical training/residency in the specialist disciplines.

**PhD Program in Translational Biomedicine, Neuroscience for Natural Science Graduates**
The program offers an integrated training curriculum for natural science graduates.

**Focus**
The core curriculum in neuroscience, which is open to all students in Mainz and Frankfurt, is offered by the Focus Program Translational Neurosciences (FTN) and the Rhine-Main-Neuroscience Network (rmn2). The program covers a broad range of approaches to study the molecular, cellular, developmental, structural, functional, evolutionary, computational, and medical-clinical aspects of the nervous system.

**Career Options for Master Students**
Scientific career, jobs in modern clinical diagnostics and biomedical research laboratories e.g. in the pharmaceutical industry.

**Contact Information**
**CHAIR** Prof. Dr. Thomas Mittmann, Mainz
**COORDINATOR (SECTION NEUROSCIENCE)** Sabine Tensing
**E-MAIL** stensing@uni-mainz.de
**WEB** https://www.blogs.uni-mainz.de/ftn-eng/

**Deadline for Application**
MSc 15 May, PhD throughout the year.
**PLACES** 15 per year (PhD, MD-PhDs and MSc).
**SCHOLARSHIPS** 3–5 per year (PhD and MD-PhDs).
**TUITION FEE** None.

MÜNCHEN

# GRADUATE SCHOOL OF SYSTEMIC NEUROCIENCES (GSN-LMU): INTEGRATED MSC AND PHD PROGRAM IN NEUROSCIENCES

28 How does the brain work? Significant progress has been made in the fields of cellular and molecular neuroscience, and modern in vivo techniques have revolutionized non-invasive observation of brain activity even in humans. Today's challenges lie in understanding the brain as a complex functioning system and many problems remain to be solved. Our program strives to educate a new generation of neuroscientists through an integrated program of study, taking students from their bachelor to a master's or doctoral degree.

**Focus**

With an excellent understanding of the molecular, cellular and systemic principles of neurobiology, our students acquire a deeper knowledge of neuron–neuron interaction, the dynamics of neuron–glia interaction, rules of information transfer in simple and complex circuits of single brain centers, interaction of different brain centers, and the function of the human brain. We offer foci in the neuroscience fields of:

- Behavior & cognition
- Biomedical neuroscience
- Cellular & systems neuroscience
- Molecular & developmental neuroscience
- Neurophilosophy
- Theoretical neuroscience & technical application

**Career Options for Master Students**
Academic career path, industry positions, medical applications, and consulting.

**Career Support for Postdocs**
Under the umbrella of the Munich Center for Neurosciences – Brain & Mind, we have various established entities to offer support for local postdoc positions and a developed international network including the Queensland Brain Institute and the Harvard Center for Brain Science.

**Contact Information**
**CHAIR** Prof. Dr. Laura Busse
**COORDINATOR** Verena Winkler
**E-MAIL** gsn@lmu.de
**WEB** www.gsn.lmu.de

**Deadline for Application**
February, for exact deadline please see our website.
**PLACES** 24 MSc, about 30–50 PhD.
**SCHOLARSHIPS** The number varies annually, please see our website for further information.
**TUITION FEE** None.

MÜNCHEN

# INTERNATIONAL MAX PLANCK RESEARCH SCHOOL – BIOLOGICAL INTELLIGENCE (IMPRS-BI)

Bringing together the newly founded Max Planck Institute for Biological Intelligence, Ludwig Maximilians University and the Technical University of Munich, the International Max Planck Research School – Biological Intelligence (IMPRS-BI) is bridging related disciplines, including neuroscience, behavioral ecology, and evolution, with the aim of unraveling the nature of biological intelligence.

World-class scientific research is at the core of the IMPRS-BI mission. We offer a fully-funded, English-speaking PhD program in the Munich area, with ready access to state-of-the-art facilities.

An additional training curriculum in scientific, computational, and transferable skills, tailored to each student's needs, endows our graduates with a competitive edge in the job arena.

We encourage highly qualified candidates (holding MSc) with a background in biology or related disciplines in the field of natural sciences, and a strong commitment to basic research to apply.

## Focus

IMPRS-BI offers trans-disciplinary training to students interested in finding how nervous systems develop and have evolved to allow animals to pursue their goals, navigate their environment, and employ behavioral strategies adapted to their respective ecological niche.

Research at IMPRS-BI bridges several scales of biological organizations, from molecules and genes to neuronal circuits, and from organisms to societies and ecosystems. IMPRS-BI students make valuable contributions towards deciphering the neural and genetic underpinnings of biological intelligence.

**Career Support for Doctoral Students**
Thesis advisory committee; Travel funds to participate in international conferences and workshops; Wide array of courses for scientific and transferable skills; Mentoring; Administrative support; Family support.

**Contact Information**
**SPEAKER** Prof. Dr. Herwig Baier
**COORDINATORS** Dr. Archana Mishra and Dr. Corinna Loës
**E-MAIL** imprs@bi.mpg.de
**WEB** imprs-bi.mpg.de

**Deadline for Application**
Please visit imprs-bi.mpg.de.
**PLACES** Varies every year.
**SCHOLARSHIPS** All positions are fully-funded
**TUITION FEE** None.

## MÜNCHEN

# INTERNATIONAL MAX PLANCK RESEARCH SCHOOL FOR TRANSLATIONAL PSYCHIATRY (IMPRS-TP)



IMPRSTP is a structured PhD Program that promotes and encourages cross-disciplinary and crossinstitutional interactions in a translational research setting. Besides a 'basic research PhD track' for MSc degree holders, it offers a unique integrated 'Residency/PhD track' in psychiatry for medical doctors.

Highlighting the translational facet, PhD students receive insights into clinical aspects of disease and medical doctors gain research expertise while also developing their clinical skills. Engaging in a variety of core courses, practical trainings and workshops enhances our students' scientific skills.

**Focus**

The main goal of IMPRS-TP is to provide interdisciplinary training in molecular, cellular and systemic neuroscientific and psychiatric research to outstanding students in an environment of scientific excellence and collaboration. Students are exposed to a wide range of scientific questions and methods in the areas of molecular medicine, neuroscience, psychiatry, neuroimaging, design-based stereology, and clinical studies.

The program's emphasis on translational research fosters multi-disciplinary collaborations – crucial for translating basic neuroscience insights into clinical applications and advancing cutting-edge research into complex mental illnesses.

**Career Support for Doctoral Students**

High quality individual supervision; thesis advisory committee; financial support for conferences and courses; networking opportunities with leading researchers in the field; annual retreats; structured curriculum – core, transferrable and soft skills training; training opportunities at many partner institutes; dedicated administrative support and welcome service offered by the co-ordination and international offices; international and inclusive working environment

**Contact Information**

**SPEAKER** Dr. Nadine Gogolla
**COORDINATOR** Isabel Oßwald
**E-MAIL** imprs-tp@psych.mpg.de
**WEB** www.imprs-tp.mpg.de

**Deadline for Application**

31 October (please visit website for updates)
**PLACES** 5–10 per year, depending on available projects.
**SCHOLARSHIPS** Fully-funded PhD positions for a minimum duration of at least 3 years.
**TUITION FEE** None.

# MASTER AND PHD PROGRAM IN NEUROSCIENCE



Both graduate programs provide research-oriented and international in-depth training in neurosciences. They aim to recruit students with a variety of different BSc/MSc degrees. The programs are uniquely focussed on sensory neuroscience, building on locally established research strengths (e.g., Clusters of Excellence "Hearing4All" and "NaviSense"). They integrate basic biological research with clinical and applied research on sensory processes.

**Focus**

- Focus on sensory, behavioural and computational Neuroscience
- Levels: From molecule to behaviour
- Broad scope of methods: Molecular genetics, systems physiology and behaviour, mathematical modelling, modern imaging techniques
- Hands-on and personal: Most courses include lab time or exercises. Individual projects in research groups
- Intensive: Block course structure allows to focus on one topic at a time
- Specific Skills Modules enhance broader scientific education
- International: All courses taught in English; a semester abroad is possible
- Interdisciplinary: Teachers and students with mixed backgrounds, joint courses with Biology and Psychology
- Fast track option allows streamlined transition into PhD
- Career perspectives in Oldenburg: Graduate school, Cluster of Excellence and more

**Career Options for Master Students**
Focus on sensory neuroscience qualifies for positions in research, industry, administration and clinics.

**Career Support for Postdocs**
Mentoring programs of Cluster of Excellence "Hearing4All"; Graduate Academy Carl von Ossietzky University; excellent support for families.

**Contact Information**
**CHAIR** Prof. Dr. Jutta Kretzberg
**COORDINATOR** Stephanie Voss
**E-MAIL** master-neuroscience@uni-oldenburg.de (MSc), oltech@uni-oldenburg.de (PhD)
**WEB** www.uol.de/en/master-neuroscience, www.uol.de/en/oltech

**Deadline for Application**
MSc: Non-EU applicants: April 30, EU and national applicants: July 15; PhD applications are welcome anytime.
**PLACES** 30 MSc per year.
**TUITION FEE** None.

## TÜBINGEN

# GRADUATE TRAINING CENTRE OF NEUROSCIENCE (GTC) INTERNATIONAL MAX PLANCK RESEARCH SCHOOL (IMPRS)



The GTC offers a comprehensive theoretical and practical training under the guidance of leading neuroscientists. In addition to three master programs, the GTC offersa doctoral program with supplementary neuroscience and softskills training, summer schools and visits to conferences. The GTC collaborates with the IMPRS of the MPI Biological Cybernetics, offering additional support and opportunities to selected master and doctoral students. The individual graduate programs have their specific scientific foci and complement one another optimally. Together they provide a markedly broad spectrum of neuroscience research and training opportunities, which has made Tübingen a prime location for graduate students interested in any one of the many aspects of neuroscience. Teaching is entirely in English.

**Focus**

The three graduate programs are:

1. 'Neural & Behavioral Sciences'
2. 'Cellular & Molecular Neuroscience'
3. 'Computational Neuroscience'

In Tübingen, interdisciplinary neuroscience research is performed at various university and extra-university institutions. The GTC/IMPRS is an integral part of these institutions and, thus, can take full advantage of the lively research community and the state-of-the-art facilities for theoretical and practical training of their students.

**Career Options for Master Students**

The GTC offers three MSc-degree programs (starting annually in the winter term), which provide the ideal preparation for a subsequent doctoral dissertation.

**Contact Information**

**CHAIR** PD Dr. Marc Himmelbach
**COORDINATOR** Dr. Katja Thieltges, Dr. Monika Lam
**E-MAIL** neuro.office@uni-tuebingen.de
**WEB** www.neuroschool-tuebingen.de

**Deadline for Application**

MSc: 31 March; PhD: throughout the year; IMPRS: internal applications in fall
**PLACES** 15 per year for each of the 3 MSc programs.
**SCHOLARSHIPS** MSc students can apply for an IMPRS stipend that covers their 4th semester and one year PhD funding. Up to 6 scholarships are available. Doctoral positions are generally project funded.
**TUITION FEE** Students from outside the EU are required to pay a tuition fee of €1,500/semester for the MSc programs.

# MSC PROGRAM "MOLECULAR AND TRANSLATIONAL NEUROSCIENCE (MTN)"



The MSc program MTN offers research-based training in clinical and therapeutically oriented neurosciences. Specific theoretical, methodological and practical knowledge of cellular and molecular processes in neural cells and in general in the nervous system is then applied to new diagnostic and therapeutic procedures as well as clinical applications. In addition to introductory basic lectures and practical trainings, students can right from the beginning, select subjects providing more in-depth knowledge in different fields such as clinical Neuroscience, European Patent law, Clinical trials and specialized courses in translational aspects towards clinical and pharmaceutical applications. Our pharmaceutical industry partner Boehringer Ingelheim is closely linked to the program and offers several courses as well as possibilities for practical trainings.

**Focus**

The aim of the MSc Program is to provide a qualified training in the field of research oriented neurosciences with regard to clinical applications and focuses in:

- Exploring the molecular mechanisms of brain disorders
- Research with the aim of testing innovative therapies
- Investigating molecular neurobiological issues with a bridge between cellular and pharmacological basic research, molecular neurobiology, behavioral physiology, diagnostics, and pharmacological applications.

The participation of institutes from the medical faculty, the clinical study center, and industrial partners showing the practical side of interactions between basic research and therapeutics development result in several modules in the master program spanning topics from a broad overview in translational neuroscience to specific contents and detailed insights.

**Career Options for Master Students**

Graduate students may follow the academic career path with a PhD, for example in the Graduate School of Molecular Medicine at Ulm University. Further options could be industry positions, medical applications, clinics, consulting and patent law.

**Contact Information**

**CHAIR** Prof. Dr. Leda Dimou
**COORDINATOR** Ms. Julia Solar
**E-MAIL** mtn@uni-ulm.de
**WEB** www.uni-ulm.de/mtn

**Deadline for Application**

15 May.
**PLACES** Around 20 per year; varies every year
**TUITION FEE** €1.500/semester for non-EU/EEA-students.

# MSC TRANSLATIONAL NEUROSCIENCE



The MSc Translational Neuroscience Elite Graduate Programme supported by ENB (Elite Network Bavaria) is a research-oriented, interdisciplinary training programme at the Faculty of Medicine that qualifies its students to effectively address the challenges in neurosciences.

The Elite Graduate Programme is based on grown synergies between basic research and clinical practice including neurobiologists, neuroanatomists, neurophysiologists, neurologists, psychologists and psychiatrists from the Faculty of Medicine and the Faculty of Human Sciences at the University of Würzburg.

**Focus**

The students are trained to develop creative ideas and methodological approaches essential for novel breakthroughs in diagnostic and therapeutic developments. Thus, molecular principles and modular concept development in experimental and clinical research are focused on in the Elite Graduate Programme. Moreover, the program includes an intense training in psychology and neuropsychiatry facilitating integrative approaches already at the beginning of the career as neuroscientist. Graduates possess a professionally oriented, science-based education and apply scientific thinking and action in a targeted manner to gain new knowledge in medicine.

**Career Options for Master Students**

Graduates are prepared for a wide range of fields of action in professional institutions and in the private sector, for example in the areas of research, health, education and training, the world of work and culture.

**Contact Information**

**CHAIR** Prof. Dr. Carmen Villmann
**COORDINATOR** Dr. Manuel Nagel
**E-MAIL** studium.translneurosci@uni-wuerzburg.de
**WEB** https://www.med.uni-wuerzburg.de/translneurosci/elite-graduate-program/

**Deadline for Application**

Online application 25.01. until 15.03.; international students are particularly encouraged to apply early
**PLACES** according to aptitude assessment.
**SCHOLARSHIPS** None.
**TUITION FEE** None.

# IMPRINT

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www.neuroschools-germany.com