



Research in Germany

NEUROSCIENCES

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Research in
Germany



Land of Ideas



Research in Germany

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NEUROSCIENCES

PREFACE

This brochure provides a first insight into research in Germany in the field of neurosciences and is especially recommended to early career researchers from abroad.

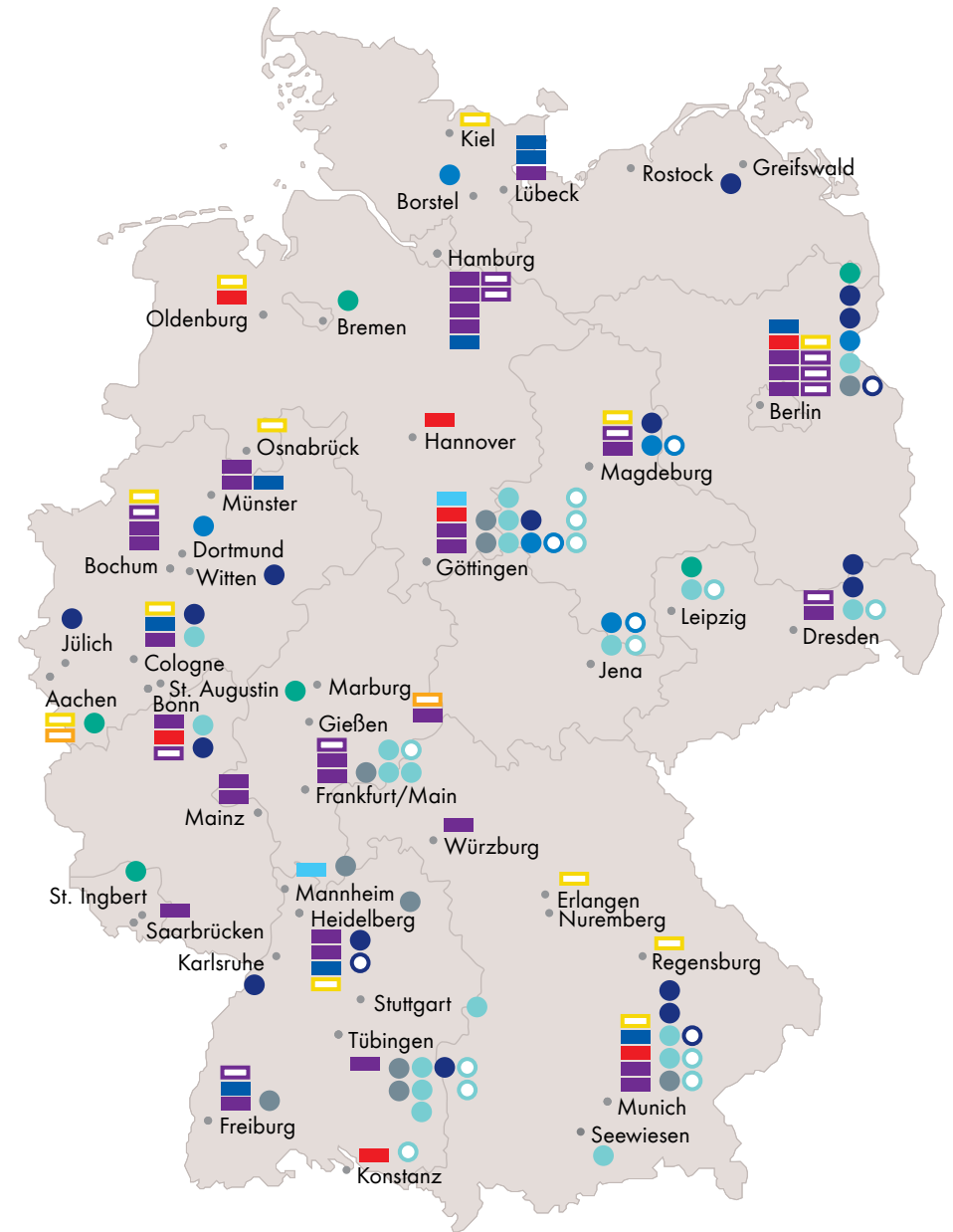
Neuroscience research in Germany is primarily conducted at universities but also at non-university research institutions. Almost all universities and many universities of applied sciences host a neuroscience research section. The spectrum ranges from small monothematic working groups to large interdisciplinary departments and covers a variety of topics from traditional areas to new explorative research fields.

This brochure is intended to give an initial overview. The following map and tables highlight research consortia and graduate training programmes at universities and non-university research institutes with a main focus on neurosciences.

On top of this, there is a lot more to discover: e.g. the DFG funds a multitude of individual projects in the area of neurosciences. These individual grants outweigh the research consortia both in number and in overall funding volume. Towards the end of this brochure, you will find a link to the online database GEPRIIS that provides an overview of all DFG-funded research projects. You will also find additional important links for further information about profiles of German universities, research institutions and funding.

We invite you to explore the many opportunities that Germany has to offer and welcome your feedback.

OVERVIEW



- | | |
|--|---|
|  Research Training Groups |  Helmholtz Graduate Schools |
|  International Research Training Groups |  Leibniz Graduate Schools |
|  Integrated Research Training Groups in Clusters of Excellence |  International Max Planck Research Schools |
|  Integrated Research Training Groups in Collaborative Research Centres/Transregios |  Fraunhofer Institutes |
|  Clinical Research Units |  Helmholtz Centres |
|  Research Units |  Leibniz Institutes |
|  Clusters of Excellence |  Max Planck Institutes |
|  Collaborative Research Centres/Transregios |  Others |

DFG-funded Priority Programmes and several Research Units are not shown on the map since they are not necessarily located at a single location; they are listed on pages 12, 13 and 17. The map shows the headquarters of the non-university research institutions.

CENTRES OF RESEARCH

- FUNDED BY DFG -

Clusters of Excellence (EXC) promote cutting-edge research. They serve to strengthen the research profiles of universities or university consortia in internationally competitive fields. They create excellent training and career opportunities for early career researchers. Within the framework of the Excellence Strategy, they can receive between €3 million and €10 million annually and are funded for seven years, starting in 2019. A second seven-year period is possible.

Collaborative Research Centres (CRC) are organisational units established at universities which enable researchers to pursue an outstanding research programme crossing the boundaries of disciplines, institutes, departments and faculties. The traditional Collaborative Research Centre is generally applied for by one university and is conducted by researchers of that university. Early career support is a key objective of the Collaborative Research Centre Programme. Early career researchers may get involved in a CRC in numerous ways, for example within the framework of an Integrated Research Training Group. Collaborative Research Centres are funded for a period of up to 12 years.

Transregios (TRR) are Collaborative Research Centres in which up to three universities collaborate with each other and submit a joint application. The contributions of the cooperative partners are essential, complementary and synergetic to the joint research objective. Funding facilitates close, nationwide collaboration among the participating universities and researchers, as well as networking and shared use of resources. There is also the option of international Transregios.

CENTRES OF RESEARCH

Location	Institution	Title	Funded From	Contact
CLUSTERS OF EXCELLENCE				
 Berlin	Freie Universität Berlin Humboldt-Universität zu Berlin	NeuroCure – Comprehensive Approaches to Neurological and Psychiatric Disorders – From Mechanisms to Interventions (EXC 2049)	2019	https://neurocure.de
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	ImmunoSensation2 – The Immune Sensory System (EXC 2151)	2019	www.immunosensation.de
 Göttingen	Georg-August-Universität Göttingen	Multiscale Bioimaging: From Molecular Machines to Networks of Excitable Cells (EXC 2067)	2019	www.uni-goettingen.de/en/579892.html
 Hannover	Leibniz Universität Hannover Medizinische Hochschule Hannover	Hearing4all: Medicine, Basic Research and Engineering Solutions for Personalized Hearing Care (H4A 2.0) (EXC 2177)	2019	http://hearing4all.eu/EN
Oldenburg	Carl von Ossietzky Universität Oldenburg			
 Konstanz	Universität Konstanz	Centre for the Advanced Study of Collective Behaviour (EXC 2117)	2019	http://collectivebehaviour.com
 Munich	Ludwig-Maximilians-Universität München Technische Universität München	Munich Cluster for Systems Neurology (SyNergy) (EXC 2145)	2019	www.synergy-munich.de
Location	Institution	Title	Funded Since	Contact
COLLABORATIVE RESEARCH CENTRES				
 Berlin	Freie Universität Berlin	Scaffolding of Membranes: Molecular Mechanisms and Cellular Functions (CRC 958)	2011	www.sfb958.de
 Berlin	Humboldt-Universität zu Berlin	Mechanisms and Disturbances in Memory Consolidation: From Synapses to Systems (CRC 1315)	2018	https://fis.hu-berlin.de/converis/portal/Project/401700446?lang=en_GB
 Bochum	Ruhr-Universität Bochum	Extinction Learning (CRC 1280)	2017	https://sfb1280.ruhr-uni-bochum.de/en/home
 Bochum	Ruhr-Universität Bochum	Integration and Representation of Sensory Processes (CRC 874)	2010	www.ruhr-uni-bochum.de/sfb874

CENTRES OF RESEARCH

Location	Institution	Title	Funded From	Contact
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Synaptic Micronetworks in Health and Disease (CRC 1089)	2013	http://sfb1089.de
Dresden	Technische Universität Dresden	Volition and Cognitive Control: Mechanisms, Modulators and Dysfunctions (CRC 940)	2012	www.sfb940.de/en
Göttingen	Georg-August-Universität Göttingen	Cellular Mechanisms of Sensory Processing (CRC 889)	2010	www.sfb889.uni-goettingen.de
Göttingen	Georg-August-Universität Göttingen	Quantitative Synaptology (CRC 1286)	2017	www.sfb1286.de
Hamburg	Universität Hamburg	Multi-Site Communication in the Brain (CRC 936)	2011	www.sfb936.net
Frankfurt/Main	Goethe-Universität Frankfurt am Main	Molecular and Cellular Mechanisms of Neural Homeostasis (CRC 1080)	2012	http://crc1080.com
Heidelberg	Ruprecht-Karls-Universität Heidelberg	From Nociception to Chronic Pain: Structure-Function Properties of Neural Pathways and their Reorganisation (CRC 1158)	2015	www.sfb1158.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Functional Ensembles: Cellular Components, Patterned Activity and Plasticity of Co-Active Neurons in Local Networks (CRC 1134)	2014	http://sfb1134.uni-heidelberg.de
Magdeburg	Otto-von-Guericke-Universität Magdeburg	Neurobiology of Motivated Behavior (CRC 779)	2007	www.sfb779.de
Mainz	Johannes Gutenberg-Universität Mainz	Neurobiology of Resilience to Stress-Related Mental Dysfunction: From Understanding Mechanisms to Promoting Prevention (CRC 1193)	2016	http://crc1193.de
Munich	Ludwig-Maximilians-Universität München	Assembly and Function of Neuronal Circuits in Sensory Processing (CRC 870)	2009	www.sfb870.mcn.uni-muenchen.de
Saarbrücken	Universität des Saarlandes	Ca²⁺ Signaling: Molecular Mechanisms und Integrative Functions (CRC 894)	2010	http://sfb894.uni-saarland.de/en

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Tübingen	Eberhard Karls Universität Tübingen	Robust Vision – Inference Principles and Neural Mechanisms (CRC 1233)	2016	www.uni-tuebingen.de/en/research/core-research/collaborative-research-centers/sfb-1233.html
COLLABORATIVE RESEARCH CENTRES/TRANSREGIOS				
Berlin	Freie Universität Berlin Humboldt-Universität zu Berlin	Development, Function and Potential of Myeloid Cells in the Central Nervous System (NeuroMac) (TRR 167)	2016	www.sfb-trr167.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg			
Cologne	Universität zu Köln	Ingestive Behaviour: Homeostasis and Reward (TRR 134)	2013	http://sfb134.de/en
Hamburg	Universität Hamburg			
Lübeck	Universität Lübeck			
Gießen	Justus-Liebig-Universität Gießen	Cardinal Mechanisms of Perception: Prediction, Valuation, Categorisation (TRR 135)	2013	www.allpsych.uni-giessen.de/sfb
Marburg	Phillips-Universität Marburg			
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Initiating/Effector versus Regulatory Mechanisms in Multiple Sclerosis – Progress towards Tackling the Disease (TRR 128)	2012	www.sfbtr128.de
Mainz	Johannes Gutenberg-Universität Mainz			
Münster	Westfälische Wilhelms-Universität Münster			
Munich	Ludwig-Maximilians-Universität München Technische Universität München			
Hamburg	Universität Hamburg	Fear, Anxiety, Anxiety Disorders (TRR 58)	2008	www.medizin.uni-muenster.de/sfbtrr58/the-project
Münster	Westfälische Wilhelms-Universität Münster			
Würzburg	Julius-Maximilians-Universität Würzburg			
Hamburg	Universität Hamburg	Crossmodal Learning: Adaptivity, Prediction and Interaction (TRR 169)	2015	www.crossmodal-learning.org
Beijing (China)	Tsinghua University			

RESEARCH UNITS

-FUNDED BY DFG-

Research Units (FOR) often contribute to establishing new research directions. Research Units are made up of a team of researchers working together on a research project which is often of an interdisciplinary nature. Research Units consist of several researchers and subprojects. The subprojects of a Research Unit are often located at several locations throughout Germany. Research Units are generally funded for up to six years.

In case most of a Research Unit's subprojects are located at one place, it is represented in the map.

Title	Funded Since	Contact
Synapses under Stress: Early Events Induced by Metabolic Failure at Glutamatergic Synapses (FOR 2795)	2018	tba
Dissection of a Brain Circuit: Structure, Plasticity and Behavioral Function of the Drosophila Mushroom Body (FOR 2705)	2018	tba
Cognitive Theory for Tourette Syndrome – A Novel Perspective (FOR 2698) Subprojects mainly located in: Lübeck	2018	tba
Epileptogenesis of Genetic Epilepsies (FOR 2715)	2017	www.medicin.uni-tuebingen.de/en/Research/Collaborative+Research/Clinical+Research+Units/FOR+2715+%E2%80%93+Epileptogenesis+of+genetic+epilepsies.html
Reduced Penetrance in Hereditary Movement Disorders: Elucidating Mechanisms of Endogenous Disease Protection (FOR 2488) Subprojects mainly located in: Lübeck	2016	http://gepris.dfg.de/gepris/projekt/287074911
Plasticity versus Stability – Molecular Mechanisms of Synaptic Strength (FOR 2419) Subprojects mainly located in: Hamburg	2017	www.uke.de/kliniken-institute/zentren/zentrum-f%C3%BCr-molekulare-neurobiologie-(zmnh)/forscherguppe-for-2419.html

RESEARCH UNITS

Title	Funded Since	Contact
Interactions at the Neurovascular Interface (FOR 2325) Subprojects mainly located in: Münster	2015	https://campus.uni-muenster.de/en/for2325
Active Perception (FOR 2293) Subprojects mainly located in: Munich	2015	www.for2293.uni-muenchen.de
Calcium Homeostasis in Neuroinflammation and -degeneration: New Targets for Therapy of Multiple Sclerosis? (FOR 2289) Subprojects mainly located in: Heidelberg	2015	www.for2289.de
Crossing the Borders: The Interplay of Language, Cognition, and the Brain in Early Human Development (FOR 2253)	2015	https://crossing-project.de
(Lymph)Angiogenesis And Cellular Immunity in Inflammatory Diseases of the Eye (FOR 2240) Subprojects mainly located in: Cologne	2014	www.for2240.de
Interneuron Synaptic Plasticity – From Mechanisms to Functions (FOR 2143) Subprojects mainly located in: Freiburg	2014	www.for2143.uni-freiburg.de
Neurobiology of Affective Disorders: A Translational Perspective on Brain Structure and Function (FOR 2107)	2014	www.for2107.de
The Physiology of Distributed Computing Underlying Higher Brain Functions in Non-Human Primates (FOR 1847)	2013	http://dfg-for-1847.dpz.eu
Learning & Habitization as Predictors of the Development & Maintenance of Alcoholism (FOR 1617) Subprojects mainly located in: Berlin	2011	https://cegg.psych.tu-dresden.de/lead





CLINICAL RESEARCH UNITS

-FUNDED BY DFG-

Clinical Research Units (KFO) provide outstanding researchers the opportunity to carry out close, medium-term cooperation in a special research project in the field of disease or patient-oriented clinical research. Clinical Research Units are usually located at one institution. As a rule, they receive funding for up to six years.

CLINICAL RESEARCH UNITS

Location	Institution	Title	Funded Since	Contact
 Göttingen	Georg-August-Universität Göttingen	Genotype-Phenotype Relationships of the Longitudinal Course of Psychosis (KFO 241)	2011	www.kfo241.de
 Mannheim	Zentralinstitut für seelische Gesundheit	Mechanisms of Disturbed Emotion Processing in Borderline Personality Disorder (KFO 256)	2011	www.kfo256.de



PRIORITY PROGRAMMES

- FUNDED BY DFG -

Priority Programmes (SPP) have a programmatic focus and the purpose of advancing knowledge in an emerging field of research through collaborative networked support. They are characterised by their enhanced quality of research through the use of new methods and forms of collaboration in emerging fields. As a rule, one programme can consist of up to 30 individual subprojects located at several institutions across Germany; it usually has one coordinating person. Priority Programmes normally receive funding for a period of up to six years.

Priority Programmes are not shown on the map. Only the titles of the overall themes and the project website are listed.

PRIORITY PROGRAMMES

Title	Funded Since	Contact
Gene and Cell Based Therapies to Counteract Neuroretinal Degeneration (SPP 2127)	2018	tba
Computational Connectomics (SPP 2041)	2017	https://spp2041.de
Functional Specializations of Neuroglia as Critical Determinants of Brain Activity (SPP 1757)	2014	www.glia-network.de
Emerging Roles of Non-Coding RNAs in Nervous System Development, Plasticity and Disease (SPP 1738)	2014	www.spp1738.de
Resolving and Manipulating Neuronal Networks in the Mammalian Brain – From Correlative to Causal Analysis (SPP 1665)	2013	www.spp1665.de
Ultrafast and Temporally Precise Information Processing: Normal and Dysfunctional Hearing (SPP 1608)	2012	www.pp1608.com



NON-UNIVERSITY RESEARCH INSTITUTIONS

Fraunhofer Society is one of the world's leading organisations for applied research with an annual research budget of 2.3 billion euros, 72 institutes and more than 25,000 employees. Fraunhofer's R&D portfolio covers a wide range of fields, including health, security, communications, transport, energy and the environment. www.fraunhofer.de

The Helmholtz Association contributes to solving major challenges facing society, science and industry with world-level research in six areas: energy, earth and environment, health, key technologies, structure of matter and aeronautics, space and transport. With more than 39,100 employees in 18 research centres and an annual budget of approximately 4.5 billion euros, the Helmholtz Association is Germany's largest scientific organisation. www.helmholtz.de

The Leibniz Association is an umbrella organisation of 93 research institutes. The annual budget amounts to 1.93 billion euros. Some 9,800 researchers – approximately 20% of them from abroad – work on a widely diverse range of subjects, including the humanities and social sciences, economics, spatial and life sciences, mathematics, natural and engineering sciences and environmental research. www.leibniz-association.eu

The Max Planck Society for the Advancement of Science is one of Germany's largest independent non-profit research organisations. The Max Planck Society has been allocated approximately 1.8 billion euros for 2017. A combined total of 14,000 researchers, postdoctoral/junior researchers and visiting researchers at 84 Max Planck Institutes conduct basic research in the natural sciences, life sciences, social sciences and humanities. One third of the researchers and more than half of the junior and visiting researchers come from abroad. www.mpg.de

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
FRAUNHOFER INSTITUTES		
● Aachen	Fraunhofer Institute for Molecular Biology and Applied Ecology (IME)	www.ime.fraunhofer.de/en.html
● Berlin	Fraunhofer Institute for Reliability and Microintegration (IZM)	www.izm.fraunhofer.de/en.html
● Bremen	Fraunhofer Institute for Medical Image Computing (MEVIS)	www.mevis.fraunhofer.de
● Leipzig	Fraunhofer Institute for Cell-Therapy and Immunology (IZI)	www.izi.fraunhofer.de/en.html
● St. Augustin	Fraunhofer Institute for Algorithms and Scientific Computing (SCAI)	www.scai.fraunhofer.de/en.html
● St. Ingbert	Fraunhofer Institute for Biomedical Techniques (IBMT)	www.ibmt.fraunhofer.de/en.html
HELMHOLTZ CENTRES		
● Berlin-Buch	Max Delbrück Center for Molecular Medicine (MDC)	www.mdc-berlin.de
● Berlin Bonn Dresden Göttingen Magdeburg Munich Rostock/ Greifswald Tübingen Witten	German Center for Neurodegenerative Diseases (DZNE)	www.dzne.de/en
● Cologne	German Aerospace Center DLR Cologne	www.dlr.de/dlr/en
● Dresden	Helmholtz Zentrum Dresden/Rossendorf (HZDR)	www.hzdr.de
● Heidelberg	German Cancer Research Center (DKFZ)	www.dkfz.de/en
● Jülich	Forschungszentrum Jülich	www.fz-juelich.de/portal/EN
● Karlsruhe	Karlsruher Institut für Technologie (KIT)	www.kit.edu/english
● Munich	Helmholtz Zentrum München - German Research Center for Environmental Health	www.helmholtz-muenchen.de/en
LEIBNIZ INSTITUTES		
● Borstel	Research Center Borstel – Leibniz Lung Center (FZB)	https://fz-borstel.de
● Berlin	Leibniz Institute for Molecular Pharmacology (FMP)	www.fmp-berlin.de
● Dortmund	Leibniz Research Centre of Working Environment and Human Factors (IfaDo)	www.ifado.de

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
● Göttingen	German Primate Center (DPZ) – Leibniz Institute for Primate Research	www.dpz.eu/en
● Jena	Leibniz Institute for Age-Research – Fritz Lipmann Institut e.V. (FLI)	www.leibniz-flj.de
● Magdeburg	Leibniz Institute for Neurobiology (LIN)	www.lin-magdeburg.de
MAX-PLANCK-INSTITUTES		
● Berlin	Max Planck Institute for Human Development	www.mpib-berlin.mpg.de/en
● Bonn	Center for Advanced European Studies and Research (Associated Institute)	www.caesar.de
● Cologne	Max Planck Institute for Metabolism Research	www.sf.mpg.de/en
● Dresden	Max Planck Institute of Molecular Cell Biology and Genetics	www.mpi-cbg.de/en
● Frankfurt/Main	Max Planck Institute for Brain Research	www.brain.mpg.de
● Frankfurt/Main	Max Planck Institute for Empirical Aesthetics	www.aesthetics.mpg.de/en
● Frankfurt/Main	Ernst Strüngmann Institute (ESI) gGmbH (Associated Institute)	www.esi-frankfurt.de
● Göttingen	Max Planck Institute for Biophysical Chemistry	www.mpibpc.mpg.de/en
● Göttingen	Max Planck Institute for Dynamics and Self-Organization	www.ds.mpg.de/en
● Göttingen	Max Planck Institute for Experimental Medicine	www.em.mpg.de
● Jena	Max Planck Institute for Chemical Ecology	www.ice.mpg.de
● Leipzig	Max Planck Institute for Human Cognitive and Brain Sciences	www.cbs.mpg.de/en
● Martinsried (Munich)	Max Planck Institute of Neurobiology	www.neuro.mpg.de/home
● Munich	Max Planck Institute of Psychiatry	www.psych.mpg.de/en
● Seewiesen	Max Planck Institute for Ornithology	www.orn.mpg.de/en
● Stuttgart Tübingen	Max Planck Institute for Intelligent Systems	www.is.mpg.de/en
● Tübingen	Max Planck Institute for Biological Cybernetics	www.kyb.tuebingen.mpg.de
● Tübingen	Max Planck Institute for Developmental Biology	www.eb.tuebingen.mpg.de

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
OTHERS		
● Berlin Frankfurt/Main Freiburg Göttingen Heidelberg/Mannheim Munich Tübingen and other locations	Bernstein Network Computational Neuroscience – Bringing together Experimental Approaches in Neurobiology with Theoretical Models and Computer Simulations, Developing New Approaches for Scientific Insight, Technical Applications, and Machine Learning.	www.bernstein-network.de
● Frankfurt/Main	Frankfurt Institute for Advanced Studies (FIAS)	https://fias.institute/en
● Göttingen	European Neuroscience Institute Göttingen (ENI-G)	www.eni.gwdg.de
● Mannheim	Central Institute of Mental Health	www.zi-mannheim.de/en
● Tübingen	Hertie Institute for Clinical Brain Research	www.hih-tuebingen.de/en

GRADUATE TRAINING













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Research Training Groups (RTG) combine an ambitious research programme at universities with comprehensive training, tailored supervision and academic freedom to form an ideal environment for a successful doctorate. Research Training Groups can also have an interdisciplinary approach. They are funded for a period of up to nine years.

International Research Training Groups (IRTG) provide opportunities for joint doctoral training programmes between German universities and universities abroad. The research and study programmes are jointly developed and supervised. Doctoral students in the programme spend six months at the partner institution.

Integrated Research Training Groups (within Clusters of Excellence or Collaborative Research Centres/Transregios) offer ideal research environments for doctoral researchers. The main aim of these structured training programmes is to provide young scientists and academics with opportunities to independently carry out research at an early stage of their career. The programmes further take care to closely integrate early career researchers into an academic network. Working in Clusters of Excellence or Collaborative Research Centres projects, doctoral researchers achieve additional qualifications. As research assistants in these projects, they contribute to the Research Centre's success. They are closely involved with the projects and have access to the entire project infrastructure.






GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
RESEARCH TRAINING GROUPS				
 Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	MultiSenses-MultiScales: Novel Approaches to Decipher Neural Processing in Multisensory Integration (RTG 2416)	2018	www.akustik.rwth-aachen.de/cms/Technische-Akustik/Forschung/Projekte/~fwmf/Details/?file=34&lidx=1
 Berlin	Technische Universität Berlin	Sensory Computation in Neural Systems (RTG 1589)	2009	www.eecs.tu-berlin.de/grk_15891/
 Bochum  Osnabrück	Ruhr-Universität Bochum Universität Osnabrück	Situated Cognition – New Concepts in Investigating Core Mental Phenomena (RTG 2185)	2016	http://situated-cognition.com
 Cologne	Universität zu Köln	Neural Circuit Analysis on the Cellular and Subcellular Level (RTG 1960)	2014	http://rtg-nca.uni-koeln.de
 Erlangen-Nuremberg	Friedrich-Alexander-Universität Erlangen-Nürnberg	Neurodevelopment and Vulnerability of the Central Nervous System (RTG 2162)	2015	www.grk2162.med.fau.de
 Heidelberg	Ruprecht-Karls-Universität Heidelberg	Impact of Adverse Childhood Experience on Psychiatric and Somatic Disorders across the Lifespan (RTG 2350)	2018	www.grk2350.de
 Kiel	Christian-Albrechts-Universität zu Kiel	Materials for Brain (M4B): Thin Film Functional Materials for Minimally Invasive Therapy of Brain Diseases (RTG 2154)	2016	www.grk2154.uni-kiel.de/en
 Magdeburg	Otto-von-Guericke-Universität Magdeburg	The Ageing Synapse – Molecular, Cellular and Behavioral Underpinnings of Cognitive Decline (RTG 2413)	2018	http://gp.cbbs.eu/synage-rtg-2413
 Munich	Ludwig-Maximilians-Universität München	Perception in Context and its Neural Basis (RTG 2175)	2016	www.rtg2175.bio.lmu.de
 Oldenburg	Carl von Ossietzky Universität Oldenburg	Molecular Basis of Sensory Biology (RTG 1885)	2012	https://uol.de/en/sensorybio
 Regensburg	Universität Regensburg	Neurobiology of Emotion Dysfunctions (RTG 2174)	2016	www.ur.de/research/grk-emotion

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
INTERNATIONAL RESEARCH TRAINING GROUPS				
 Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	The Neuroscience of Modulating Aggression and Impulsivity in Psychopathology (IRTG 2150)	2015	www.irtg2150.rwth-aachen.de
Philadelphia (USA)	University of Pennsylvania			
 Gießen/ Marburg	Universitätsklinikum Gießen und Marburg	The Brain in Action (IRTG 1901)	2012	www.irtg-brainact.de
Kingston (Canada)	Queens University			
London (Canada)	Western University			
Toronto (Canada)	York University			
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES				
 Berlin	Humboldt-Universität zu Berlin	Research Training Group within: Mechanisms and Disturbances in Memory Consolidation: From Synapses to Systems (CRC 1315)	2018	https://fis.hu-berlin.de/converis/portal/Project/401700446?lang=en_GB
 Berlin	Freie Universität Berlin	Research Training Group within: Scaffolding of Membranes – Molecular Mechanisms and Cellular Functions (CRC 958)	2011	www.sfb958.de/graduierntenkolleg
 Bochum	Ruhr-Universität Bochum	Integrated Research Training Group within: Integration and Representation of Sensory Processes (CRC 874)	2010	www.ruhr-uni-bochum.de/sfb874/integrated_research_training_group/irtg.html
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	MGK – Integrated Research Training Group „Synaptic Microcircuits“ within: Synaptic Micronetworks in Health and Disease (CRC 1089)	2013	http://sfb1089.de
 Dresden	Technische Universität Dresden	Integrated Research Training Group within: Volition and Cognitive Control: Mechanisms, Modulators and Dysfunctions (CRC 940)	2012	www.sfb940.de/en/research/projects/mgk.html

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
 Frankfurt/Main	Goethe-Universität Frankfurt am Main	Graduate School within: Molecular and Cellular Mechanisms of Neural Homeostasis (CRC 1080)	2012	https://crc1080.com/graduate-school
 Hamburg	Universität Hamburg	Graduate Programme within: Multi-Site Communication in the Brain (CRC 936)	2011	www.sfb936.net/curriculum-graduate-training
 Magdeburg	Otto-von-Guericke-Universität Magdeburg	Graduate School within: Neurobiology of Motivated Behavior (CRC 779)	2011	www.sfb779.de/en/graduierntenkolleg.html
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES/ TRANSREGIOS				
 Berlin	Freie Universität Berlin	Graduate Program “NeuroMac School” within: Development, Function and Potential of Myeloid Cells in the Central Nervous System (NeuroMac) (TRR 167)	2016	www.sfb-trr167.uni-freiburg.de/irtg-neuromac-school/
Freiburg	Humboldt-Universität zu Berlin			
 Hamburg	Universität Hamburg	International Research Training Group within: Crossmodal Learning: Adaptivity, Prediction and Interaction (TRR 169)	2015	www.crossmodal-learning.org
Beijing (China)	Tsinghua University			

GRADUATE TRAINING

- AT NON-UNIVERSITY RESEARCH INSTITUTIONS -

Helmholtz Graduate Schools provide a roof under which a varied number of curricula in different fields, or across disciplines, can find a home. Helmholtz Graduate Schools constitute a valuable addition to the wide range of training programmes available within the Helmholtz Association. They offer optimal conditions for PhD students to work and enable them to create a network of contacts with fellow university researchers while also fostering the integration of participants into the research environment.

Leibniz Graduate Schools were established to foster the systematic promotion of junior researchers. Young researchers are given the opportunity to do their doctorates in an excellent, collaborative, cross-disciplinary research environment. To this end, Leibniz institutions cooperate closely with universities. As every Leibniz institution focuses on clearly defined, socially-relevant themes, doctoral candidates have a wealth of networking opportunities in a large, dedicated scientific community. The particular character of research at the institutions in the Leibniz Association, which includes fundamental, large-scale and application-oriented research, means doctoral candidates can conduct research from basic idea right through to application.

International Max Planck Research Schools (IMPRS) offer talented German and international junior scientists the opportunity to earn a doctorate under excellent research conditions. The research schools are established by one or several Max Planck Institutes. These IMPRS work in close cooperation with universities and other – sometimes international – research institutions. This provides an extraordinary framework for the graduate students to work in, and is a great advantage in interdisciplinary research projects, or in projects that require special equipment.

GRADUATE TRAINING

Location	Title	Contact
HELMHOLTZ GRADUATE SCHOOLS		
○ Berlin-Buch	Helmholtz Graduate School "Molecular Cell Biology"	www.mdc-berlin.de/phd
○ Heidelberg	Helmholtz International Graduate School for Cancer Research	www.dkfz.de/en/phd-program
○ Munich	Helmholtz Graduate School Environmental Health – HELENA	www.helmholtz-helena.de
LEIBNIZ GRADUATE SCHOOLS		
○ Göttingen	Leibniz Graduate School for Emerging Infectious Diseases (EIDIS)	www.dpz.eu/en/career
○ Jena	Leibniz Graduate School on Ageing and Age-Related Diseases (LGSA)	https://lgsa.leibniz-fli.de
○ Magdeburg	Leibniz Graduate School SynaptoGenetics	www.lgs-synaptogenetics.de
INTERNATIONAL MAX PLANCK RESEARCH SCHOOLS (IMPRS)		
○ Dresden	IMPRS for Cell, Developmental and Systems Biology	www.imprs-celldevosys.de
○ Frankfurt/Main	IMPRS for Neural Circuits	http://brain.mpg.de/graduate-studies.html
○ Göttingen	IMPRS for Molecular Biology	www.gpmolbio.uni-goettingen.de
○ Göttingen	IMPRS for Neurosciences	www.gpneuro.uni-goettingen.de
○ Göttingen	IMPRS for Physics of Biological and Complex Systems	www.uni-goettingen.de/en/58718.html
○ Jena	IMPRS Exploration of Ecological Interactions with Molecular and Chemical Techniques	http://imprs.ice.mpg.de
○ Konstanz	IMPRS for Organismal Biology	www.orn.mpg.de/2453/Short_portrait
○ Leipzig	IMPRS NeuroCom	http://imprs-neurocom.mpg.de
○ Martinsried (Munich)	IMPRS for Molecular and Cellular Life Sciences	https://imprs-ls.open-campus.net
○ Munich	IMPRS for Translational Psychiatry	www.imprs-tp.mpg.de
○ Tübingen	IMPRS for Cognitive and Systems Neuroscience	www.neuroschool-tuebingen.de
○ Tübingen	IMPRS From Molecules to Organisms	www.imprs.tuebingen.mpg.de

SOCIETIES AND ASSOCIATIONS

IN GERMANY

Bernstein Network Computational Neuroscience: www.bernstein-network.de

Deutsche Gesellschaft für Biologische Psychiatrie (DGBP): www.dgbp.de (DE)

Deutsche Gesellschaft für Neurochirurgie (DGNC): www.dgnc.de (DE)

Deutsche Gesellschaft für Neurologie e.V. (DGN): www.dgn.org (DE)

Deutsche Gesellschaft für Neuroradiologie e.V.(DGNR): www.dgnr.org (DE)

German Association for Psychiatry, Psychotherapy and Psychosomatics (DGPPN):
www.dgppn.de/en

German Neuroscience Society (GNS): <https://nwg-info.de>

German Psychological Society (DGPs): www.dgps.de

German Society of Developmental Biology (GfE): <https://www.vbio.de/gfe-entwicklungsbiologie/>

German Society of Neurogenetics (DGNG): www.dgng.de

German Society for Neuropathology and Neuroanatomy (DGNN): www.dgnn.de

Society for Biochemistry and Molecular Biology (GBM): <https://gbm-online.de/the-gbm.html>

OPEN POSITIONS

Research in Germany: www.research-in-germany.org/jobs

Fraunhofer Society: www.fraunhofer.de/en/jobs-and-career.html

Helmholtz Association: www.helmholtz.de/en/jobs_talent

Leibniz Society: www.leibniz-gemeinschaft.de/en/karriere

Max Planck Society: www.mpg.de/jobboard



FURTHER INFORMATION

RESEARCH INSTITUTIONS, PROJECTS, FUNDING, CONTACTS



The “Research in Germany” Portal: Information on research and funding opportunities, academic and research-related job portals, as well as advice on preparing a research stay or initiating a collaboration with German research organisations. www.research-in-germany.org



German Project Information System (GEPRIS): Online database providing information about all current DFG-funded research projects and contact information for the Principal Investigators. <http://gepris.dfg.de>



German Research Institutions (GERIT): Information on more than 25,000 institutes at German universities and non-university research institutions, searchable by geographic location, subject and other structural criteria. www.gerit.org



Website of the DFG: Further background information about DFG funding programmes, funding guidelines, and lists of currently DFG-funded activities. www.dfg.de



The German Rectors’ Conference (HRK) Research Map: The interactive HRK *Research Map* database provides information on the research priorities that are of strategic institutional importance for each university. www.hrk.de/home (go to → *Research Map*)



The Higher Education Compass: Information on Germany’s higher education institutions, the range of courses and programmes that they offer, their worldwide cooperation, and who to contact locally. www.hochschulkompass.de/en/study-in-germany





Contact

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DFG Deutsche
Forschungsgemeinschaft