



Research in Germany



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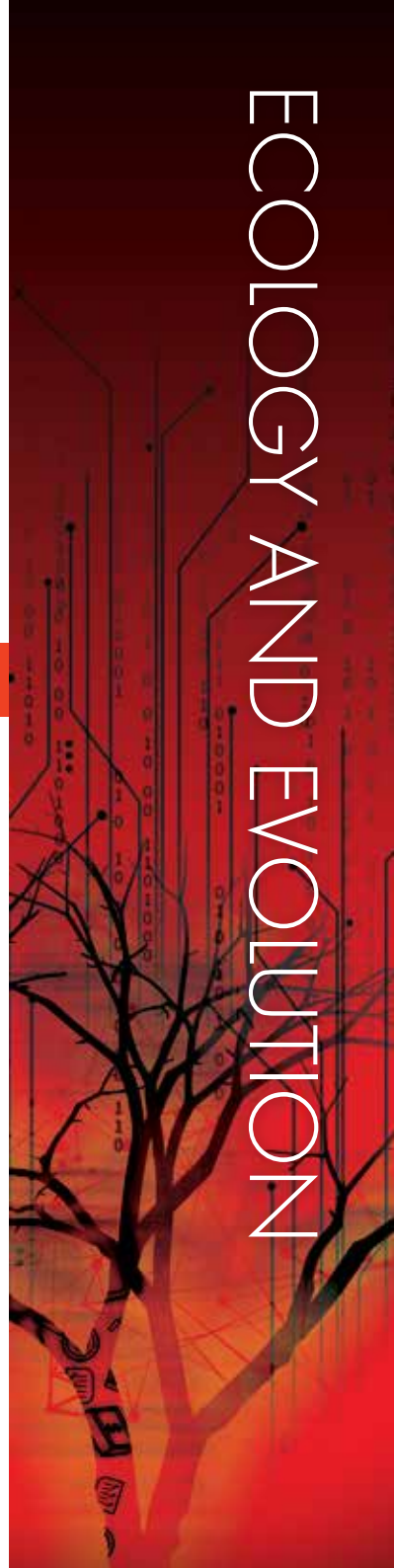
Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas

ECOLOGY AND EVOLUTION





Research in Germany

Imprint

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ECOLOGY AND EVOLUTION

PREFACE

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

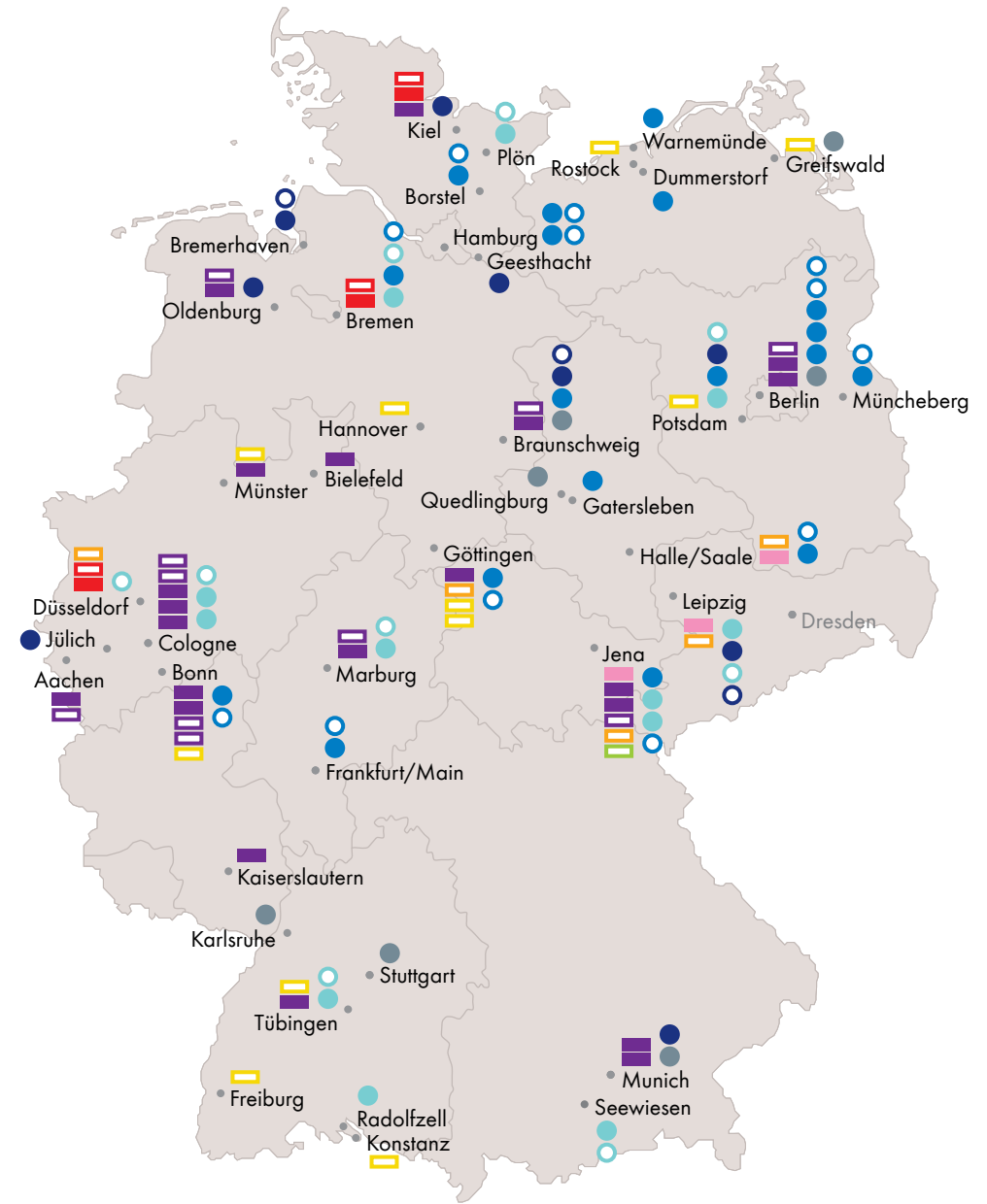
Ecology and evolution research in Germany is primarily conducted at universities but also at non-university research institutions. Almost all universities and many universities of applied sciences host ecology and evolution research sections. The spectrum ranges from small monothematic working groups 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 ecology and evolution.

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 ecology and evolution. 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 GEPRIS that provides an overview of all DFG-funded research projects. You will also find additional important links for further information about programmes in the fields of ecology and evolution and profiles of German universities and research institutions.

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

OVERVIEW



	Graduate Schools		Helmholtz Graduate Schools
	Research Training Groups		Leibniz Graduate Schools
	International Research Training Groups		International Max Planck Research Schools
	Integrated Research Training Groups in Clusters of Excellence		Helmholtz Centres
	Integrated Research Training Groups in Collaborative Research Centres/Transregios		Leibniz Institutes
	DFG Research Centres		Max Planck Institutes
	Clusters of Excellence		Others
	Collaborative Research Centres/Transregios		

DFG-funded Priority Programmes and 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 15.
The map shows the headquarters of the non-university research institutions.

CENTRES OF RESEARCH

- FUNDED BY DFG -

Clusters of Excellence (EXC) were established at universities in the framework of the German Excellence Initiative and promote cutting-edge research. Their objective is to engage in scientific networking and collaboration in research fields of particular promise for the future. They also offer excellent training conditions and career opportunities for early career researchers.

DFG Research Centres (FZT) are a strategic funding instrument to concentrate scientific research competence in particularly innovative fields and create temporary, internationally visible research priorities at research universities. The thematic focus must incorporate a high degree of interdisciplinary cooperation. They are open for cooperation with partners from other research institutes, industry, associations and public institutions. The centres offer excellent working conditions for early career researchers and a framework for interdisciplinary cooperation. Unlike the clusters of excellence, DFG Research Centres are set up in response to thematic calls issued by the DFG. They have a maximum funding period of 12 years.

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 Since	Contact
CLUSTERS OF EXCELLENCE				
 Bremen	Universität Bremen	The Ocean in the Earth System – MARUM – Center for Marine Environmental Sciences (EXC 309)	2007	www.marum.de
 Düsseldorf	Heinrich-Heine-Universität Düsseldorf	Cluster of Excellence on Plant Sciences – From Complex Traits towards Synthetic Modules (CEPLAS) (EXC 1028)	2012	www.ceplas.eu
 Kiel	Christian-Albrechts-Universität zu Kiel	The Future Ocean (EXC 80)	2006	www.futureocean.org
DFG RESEARCH CENTRES				
 Halle/Saale Jena Leipzig	Martin-Luther-Universität Halle-Wittenberg Friedrich-Schiller-Universität Jena Universität Leipzig	German Centre for Integrative Biodiversity Research – iDiv (FZT 118)	2012	www.idiv.de
COLLABORATIVE RESEARCH CENTRES				
 Berlin	Freie Universität Berlin	Priming and Memory of Organismic Responses to Stress (CRC 973)	2012	www.sfb973.de
 Cologne	Universität zu Köln	Predictability in Evolution (CRC 1310)	2017	http://gepris.dfg.de/gepris/projekt/325931972
 Göttingen	Georg-August-Universität Göttingen	Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems (Sumatra, Indonesia) (CRC 990)	2012	www.uni-goettingen.de/de/310995.html
 Jena	Friedrich-Schiller-Universität Jena	Chemical Mediators in Complex Biosystems (CRC 1127)	2014	www.chembiosys.de/en
 Jena	Friedrich-Schiller-Universität Jena	AquaDiva: Understanding the Links Between Surface and Subsurface Biogeosphere (CRC 1076)	2013	www.aquadiva.uni-jena.de
 Kiel	Christian-Albrechts-Universität zu Kiel	Origin and Function of Metaorganisms (CRC 1182)	2016	www.metaorganism-research.com
 Marburg	Philipps-Universität Marburg	Microbial Diversity in Environmental Signal Response (CRC 987)	2012	http://sfb987.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Munich	Technische Universität München	Molecular Mechanisms Regulating Yield and Yield Stability in Plants (CRC 924)	2011	http://sfb924.wzw.tum.de
Tübingen	Eberhard Karls Universität Tübingen	Molecular Encoding of Specificity in Plant Processes (CRC 1101)	2014	www.uni-tuebingen.de/en/research/core-research/collaborative-research-centers/sfb-1101.html
COLLABORATIVE RESEARCH CENTRES/TRANSREGIOS				
Aachen	Rheinisch-Westfälisch-Technische Hochschule Aachen	Patterns in Soil-Vegetation-Atmosphere Systems: Monitoring, Modelling & Data Assimilation (TRR 32)	2007	www.tr32.de
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn			
Cologne	Universität zu Köln			
Berlin	Humboldt-Universität zu Berlin	The Green Hub – Central Coordinator of Acclimation in Plants (TRR 175)	2016	www.tr175.bio.lmu.de
Kaiserslautern	Technische Universität Kaiserslautern			
Munich	Ludwig-Maximilians-Universität München			
Bielefeld	Universität Bielefeld	A Novel Synthesis of Individualisation across Behaviour, Ecology and Evolution: Niche Choice, Niche Conformance, Niche Construction (NC3) (TRR 212)	2017	www.uni-bielefeld.de/biologie/crc212
Münster	Westfälische Wilhelms-Universität Münster			
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Future Rural Africa: Future-Making and Social-Ecological Transformation (TRR 228)	2017	www.crc228.de
Cologne	Universität zu Köln			
Braunschweig	Technische Universität Braunschweig	Ecology, Physiology and Molecular Biology of the Roseobacter Clade: Towards a Systems Biology Understanding of a Globally Important Clade of Marine Bacteria (TRR 51)	2010	www.tu-braunschweig.de/forschung/zentren/brics/forschung/roseobacter/index.html
Oldenburg	Carl von Ossietzky Universität Oldenburg			



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.

Research Units are not shown on the map. Only the titles of the thematic focus and the project websites are listed.

Title	Funded Since	Contact
Spatial Community Ecology in Highly Dynamic Landscapes: From Island Biogeography to Metaecosystems [DynaCom] (FOR 2716)	2018	tba
Proteogenomics of Marine Polysaccharide Utilization (POMPU) (FOR 2406)	2016	www.pompu-project.de
Mountain Exile Hypothesis: How Humans Benefited from and Re-Shaped African High Altitude Ecosystems during Quaternary Climatic Changes (FOR 2358)	2016	www.landw.uni-halle.de/prof/bodenbiogeochemie/forschung/projekte/for_2358 (DE)
Severity Assessment in Animal Based Research (FOR 2591)	2016	http://gepris.dfg.de/gepris/projekt/321137804
Social-Ecological Systems in the Indian Rural-Urban Interface: Functions, Scales, and Dynamics of Transition (FOR 2432)	2015	www.uni-kassel.de/fb11agr/en/sections/home/for2432.html
Denitrification in Agricultural Soils: Integrated Control and Modelling at Various Scales (DASIM) (FOR 2337)	2015	http://fb08-dasim.bot2.bio.uni-giessen.de/tmf_struts1.3_ant/home.do
Sociality and the Reversal of the Fecundity-Longevity Trade-Off (FOR 2281)	2015	http://gepris.dfg.de/gepris/projekt/261675780
MAD Soil – Microaggregates: Formation and Turnover of the Structural Building Blocks of Soils (FOR 2179)	2015	www.madsoil.uni-jena.de
Sociality and Health in Primates (FOR 2136)	2014	www.sohapi.de

RESEARCH UNITS

Title	Funded Since	Contact
Biogenesis of Thylakoid Membranes: Spatiotemporal Organization of Photosynthetic Protein Complex Assembly (FOR 2092)	2014	www.uni-kl.de/for2092
The Forgotten Part of Carbon Cycling: Organic Matter Storage and Turnover in Subsoils (SUBSOM) (FOR 1806)	2013	www.subsom.de
Introducing Non-Flooded Crops in Rice-Dominated Landscapes: Impact on Carbon, Nitrogen and Water Cycles (ICON) (1701)	2011	www.uni-giessen.de/faculties/f08/departments/tsz/animal-ecology/iconproject/iconindex
Agricultural Landscapes under Global Climate Change – Processes and Feedbacks on a Regional Scale – (FOR 1695)	2011	https://klimawandel.uni-hohenheim.de
INTERNANO: Mobility, Aging and Functioning of Engineered Inorganic Nanoparticles at the Aquatic-Terrestrial Interface (FOR 1536)	2011	www.uni-koblenz-landau.de/de/landau/fb7/umweltwissenschaften/forschung/internano
Exploring Mechanisms Underlying the Relationship between Biodiversity and Ecosystem Functioning (Jena Experiment) (FOR 1451)	2010	www.the-jena-experiment.de
Kilimanjaro Ecosystems under Global Change: Linking Biodiversity, Biotic Interactions and Biogeochemical Ecosystem Processes (FOR 1246)	2010	www.kilimanjaro.biozentrum.uni-wuerzburg.de/Default.aspx
Photorespiration: Origins and Metabolic Integration in Interacting Compartments (FOR 1186)	2009	www.promics.uni-rostock.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 From	Contact
Deconstruction and Reconstruction of the Plant Microbiota (DECrypT) (SPP 2125)	2018	www.ag-zuccaro.botanik.uni-koeln.de/decrypt.html
Rhizosphere Spatiotemporal Organisation – A Key to Rhizosphere Functions (SPP 2089)	2018	www.ufz.de/spp-rhizosphere
Title	Funded Since	Contact
Taxon-Omics: New Approaches for Discovering and Naming Biodiversity (SPP 1991)	2017	www.taxon-omics.de
Rapid Evolutionary Adaptation: Potential and Constraints (SPP 1819)	2015	https://dfg-spp1819.uni-hohenheim.de
Flexibility Matters: Interplay between Trait Diversity and Ecological Dynamics Using Aquatic Communities as Model Systems (DynaTrait) (SPP 1704)	2014	www.dynatrait.de
Ecosystem Nutrition: Forest Strategies for Limited Phosphorus Resources (SPP 1685)	2013	www.ecosystem-nutrition.uni-freiburg.de
Ecology and Species Barriers in Emerging Viral Diseases (SPP 1596)	2013	www.uni-bonn.de/forschung/startseite-forschung/DFG-Verbundforschungsprojekte
Phenotypic Heterogeneity and Sociobiology of Bacterial Populations (SPP 1617)	2012	www.spp1617.de
Probabilistic Structures in Evolution (SPP 1590)	2012	www.dfg-spp1590.de
Flowering Time Control: From Natural Variation to Crop Improvement (SPP 1530)	2011	www.flowercrop.uni-kiel.de/en
Evolutionary Plant Solutions to Ecological Challenges: Molecular Mechanisms Underlying Adaptive Traits in the Brassicaceae s.l. (Adaptomics) (SPP 1529)	2011	www.ruhr-uni-bochum.de/dfg-spp1529
Biodiversity Exploratories – Functional Biodiversity Research (SPP 1374)	2007	www.biodiversity-exploratories.de
Antarctic Research with Comparable Investigations in Arctic Sea Ice Areas (SPP 1158)	2003	www.spp-antarktisforschung.uni-rostock.de/en/



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

Location	Institution	Contact
HELMHOLTZ CENTRES		
● Braunschweig	Helmholtz Centre for Infection Research (HZI)	www.helmholtz-hzi.de/en
● Bremerhaven	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research (AWI)	www.awi.de
● Geesthacht	Helmholtz-Zentrum Geesthacht – Centre for Materials and Coastal Research (HZG)	www.hzg.de
● Jülich	Forschungszentrum Jülich (FZ Jülich)	www.fz-juelich.de
● Kiel	GEOMAR Helmholtz Centre for Ocean Research Kiel	www.geomar.de/en
● Leipzig	Helmholtz Centre for Environmental Research (UFZ)	www.ufz.de
● Munich	Helmholtz Zentrum München – German Research Center for Environmental Health	www.helmholtz-muenchen.de
● Oldenburg	Helmholtz Institute for Functional Marine Biodiversity at the University of Oldenburg (HIFMB)	http://hifmb.de/en
● Potsdam	Helmholtz Centre Potsdam – GFZ German Research Centre for Geosciences	www.gfz-potsdam.de
LEIBNIZ INSTITUTES		
● Berlin	Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB)	www.igb-berlin.de/en
● Berlin	Leibniz Institute for Zoo and Wildlife Research (IZW)	www.izw-berlin.de
● Berlin	Museum für Naturkunde – Leibniz Institute for Evolution and Biodiversity Science (MfN)	www.naturkunde-museum-berlin.de/en
● Bonn	Zoological Research Museum Alexander Koenig – Leibniz Institute for Animal Biodiversity (ZFMK)	www.zfmk.de/en/zfmk
● Borstel	Research Center Borstel – Leibniz Center for Medicine and Biosciences (FZB)	www.fz-borstel.de
● Braunschweig	Leibniz Institute DSMZ – German Collection of Microorganisms and Cell Cultures (DSMZ)	www.dsmz.de
● Bremen	Leibniz Centre for Tropical Marine Research (ZMT)	www.zmt-bremen.de
● Dummerstorf	Leibniz Institute for Farm Animal Biology (FBN)	www.fbn-dummerstorf.de
● Frankfurt/Main	Senckenberg Gesellschaft für Naturforschung (SGN)	www.senckenberg.de
● Gatersleben	Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)	www.ipk-gatersleben.de/en
● Göttingen	German Primate Center – Leibniz Institute for Primate Research (DPZ)	www.dpz.eu/en
● Halle/Saale	Leibniz Institute of Plant Biochemistry (IPB)	www.ipb-halle.de/en
● Hamburg	Bernhard Nocht Institute for Tropical Medicine (BNITM)	www.bnitm.de/en

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
● Hamburg	Heinrich Pette Institute – Leibniz Institute for Experimental Virology (HPI)	www.hpi-hamburg.de/en
● Jena	Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute (HKI)	www.hki-jena.de
● Müncheberg	Leibniz Centre for Agricultural Landscape Research (ZALF)	www.zalf.de
● Potsdam	Potsdam Institute for Climate Impact Research (PIK)	www.pik-potsdam.de
● Warnemünde	Leibniz Institute for Baltic Sea Research Warnemünde (IOW)	www.io-warnemuende.de
MAX-PLANCK-INSTITUTES		
● Bremen	Max Planck Institute for Marine Microbiology	www.mpi-bremen.de
● Cologne	Max Planck Institute for Biology of Ageing	www.age.mpg.de
● Cologne	Max Planck Institute for Plant Breeding Research	www.mpi-pz.mpg.de/en
● Jena	Max Planck Institute for Chemical Ecology	www.ice.mpg.de
● Jena	Max Planck Institute for Biogeochemistry	www.mps.mpg.de/en
● Leipzig	Max Planck Institute for Evolutionary Anthropology	www.eva.mpg.de
● Marburg	Max Planck Institute for Terrestrial Microbiology	www.mpi-marburg.mpg.de
● Plön	Max Planck Institute for Evolutionary Biology	www.evolbio.mpg.de
● Potsdam - Golm	Max Planck Institute for Molecular Plant Physiology	www.mpimp-golm.mpg.de
● Radolfzell	Max Planck Institute for Ornithology, Vogelwarte Radolfzell	www.orn.mpg.de/en
● Seewiesen	Max Planck Institute for Ornithology	www.orn.mpg.de/en
● Tübingen	Max Planck Institute for Developmental Biology	www.eb.tuebingen.mpg.de
OTHERS		
● Berlin	Berlin-Brandenburg Institute of Advanced Biodiversity Research (BBIB)	www.bbib.org
● Braunschweig	Johann Heinrich von Thünen Institute – Federal Research Institute for Rural Areas, Forestry and Fisheries	www.thuenen.de/en
● Greifswald - Insel Riems	Friedrich-Löffler-Institut – Federal Research Institute for Animal Health (FLI)	www.fli.de/en/home
● Karlsruhe	State Museum of Natural History Karlsruhe	www.smnk.de/en/museum/
● Munich	Bavarian State Collection of Zoology (ZSM)	www.zsm.mwn.de/e/
● Quedlingburg	Julius Kühn Institute – Federal Research Centre for Cultivated Plants (JKI)	www.julius-kuehn.de/en

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
● Stuttgart	Stuttgart State Museum of Natural History	www.naturkundemuseum-bw.de



GRADUATE TRAINING

- FUNDED BY DFG -












Graduate Schools (GSC) were established at universities in the framework of the German Excellence Initiative. Their objective is to provide training and qualification for outstanding doctoral students from Germany and abroad within an excellent research environment. They serve as an instrument of quality assurance in promoting early career researchers and offer large networks that cover wide areas of research.

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/Transregions) 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
GRADUATE SCHOOLS				
 Jena	Friedrich-Schiller-Universität Jena	Jena School for Microbial Communication (JSMC) (GSC 214)	2007	www.jsmc.uni-jena.de
RESEARCH TRAINING GROUPS				
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Water Use Efficiency and Drought Stress Responses: From Arabidopsis to Barley (RTG 2064)	2015	www.imbio.uni-bonn.de/GRK2064-en
 Freiburg	Albert-Ludwigs-Universität Freiburg	Conservation of Forest Biodiversity in Multiple-Use Landscapes of Central Europe (ConFoBi) (RTG 2123)	2016	http://confobi.uni-freiburg.de
 Göttingen	Georg-August-Universität Göttingen	Scaling in Statistics (RTG 1644)	2010	www.uni-goettingen.de/en/156579.html
 Göttingen	Georg-August-Universität Göttingen	Understanding Social Relationships (RTG 2070)	2015	www.uni-goettingen.de/en/509586.html
 Greifswald	Ernst-Moritz-Arndt-Universität Greifswald	Biological Responses to Novel and Changing Environments (RTG 2010)	2015	https://biologie.uni-greifswald.de/forschung/dfg-graduiertenkollegs/research-training-group-2010/
 Hannover	Gottfried Wilhelm Leibniz Universität Hannover	Signaling at the Plant-Soil Interface (RTG 1798)	2013	www.psi.uni-hannover.de
 Konstanz	Universität Konstanz	R3 – Responses to Biotic and Abiotic Changes, Resilience and Reversibility of Lake Ecosystems (RTG 2272)	2017	www.rtg-resilience.uni-konstanz.de
 Münster	Westfälische Wilhelms-Universität Münster	Evolutionary Processes in Adaptation and Disease (EvoPAD) (RTG 2220)	2017	www.uni-muenster.de/EvoPAD
 Potsdam	Universität Potsdam	Integrating Biodiversity Research with Movement Ecology in Dynamic Agricultural Landscapes (BioMove) (RTG 2118)	2015	www.biomove.org
 Rostock	Universität Rostock	The German Baltic Sea Coast as Terrestrial-Marine Interface of Water and Matter Fluxes (Baltic TRANSCOAST) (RTG 2000)	2015	www.baltic-transcoast.uni-rostock.de

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
 Tübingen	Eberhard Karls Universität Tübingen	Molecular Principles of Bacterial Survival Strategies (RTG 1708)	2012	www.uni-tuebingen.de/en/research/core-research/research-training-groups/grk-1708.html
INTERNATIONAL RESEARCH TRAINING GROUPS				
 Düsseldorf	Heinrich-Heine-Universität Düsseldorf	The Dynamic Response of Plants to a Changing Environment (iGRAD-Plant) (IRTG 1525)	2009	http://www.igrad-plant.hhu.de
 East Lansing (USA)	Michigan State University"			
 Göttingen	Georg-August-Universität Göttingen		2016	www.uni-goettingen.de/en/529150.html
 Vancouver (Canada)	University of British Columbia			
 Halle/Saale	Martin-Luther-Universität Halle-Wittenberg		2017	www.idiv.de/en/web/treediv.html
Jena	Friedrich-Schiller-Universität Jena	Tree Diversity Interactions: The Role of Tree-Tree Interactions in Local Neighbourhoods in Chinese Subtropical Forests (IRTG 2324)		
Leipzig	Universität Leipzig			
Beijing (China)	Graduate University of Chinese Academy of Science			
INTEGRATED RESEARCH TRAINING GROUPS IN CLUSTERS OF EXCELLENCE				
 Bremen	Universität Bremen	Bremen International Graduate School for Marine Sciences (GLOMAR) (EXC 309, MARUM)	2007	www.marum.de/GLOMAR.html
 Düsseldorf	Heinrich-Heine-Universität Düsseldorf	CEPLAS Graduate School (EXC 1028, CEPLAS)	2012	www.ceplas.eu/en/training-careers/ceplas-graduate-school
 Kiel	Christian-Albrechts-Universität zu Kiel	Integrated School of Ocean Sciences (ISOS) (EXC 80, The Future Ocean)	2006	www.futureocean.org/en/isos

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES				
 Berlin	Freie Universität Berlin	Integrated Research Training Group „Biocommunication: Mechanisms and Consequences of Information Storage and Retrieval in Plants and Microbes“ within: Priming and Memory of Organismic Responses to Stress (CRC 973)	2012	www.sfb973.de/irtg
 Jena	Friedrich-Schiller-Universität Jena	Integrated Research Training Group „AquaDiva“ within: AquaDiva: Understanding the Links Between Surface and Subsurface Biogeosphere (CRC 1076)	2013	www.aquadiva.uni-jena.de/Graduate+school.html
 Marburg	Philipps-Universität Marburg	Graduate School within: Microbial Diversity in Environmental Signal Response (CRC 987)	2012	http://sfb987.de/gradschool.html
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES/ TRANSREGIOS				
 Aachen	Rheinisch-Westfälisch-Technische Hochschule Aachen	Integrated Research Training Group within: Patterns in Soil-Vegetation-Atmosphere Systems: Monitoring, Modelling & Data Assimilation (TRR 32)	2007	http://tr32new.uni-koeln.de/index.php/irtg/graduate-school/about
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn			
Cologne	Universität zu Köln			
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Integrated Research Training Group withing: Future Rural Africa: Future-Making and Social-Ecological Transformation (TRR 228)	2017	www.crc228.de/sub-projects/z04-integrated-research-and-training-group-irtg
Cologne	Universität zu Köln			
 Braunschweig	Technische Universität Braunschweig	Integrated Research Training Group within: Ecology, Physiology and Molecular Biology of the Roseobacter Clade: Towards a Systems Biology Understanding of a Globally Important Clade of Marine Bacteria (TRR 51)	2010	www.tu-braunschweig.de/forschung/zentren/brics/forschung/roseobacter/traininggroup
Oldenburg	Carl von Ossietzky Universität Oldenburg			

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		
○ Braunschweig	HZI International Graduate School for Infection Research (GS-FIRE)	www.helmholtz-hzi.de/en/career/graduate_school/application/
○ Bremerhaven	Helmholtz Graduate School for Polar and Marine Research (POLMAR)	http://polmar.awi.de
○ Leipzig	Helmholtz Interdisciplinary Graduate School for Environmental Research (HIGRADE)	www.ufz.de/higrade
LEIBNIZ GRADUATE SCHOOLS		
○ Berlin Frankfurt Hamburg	Senckenberg Graduate School – International Multidisciplinary Parasitology and Vector Biology (IMPact-Vector)	www.impact-vector.de
○ Berlin Müncheberg	AQUALINK International Leibniz Graduate School	www.igb-berlin.de/en/projekt/aqualink
○ Bonn	Leibniz Graduate School on Genomic Biodiversity Research (GBR)	www.zfmk.de/en/research/research-centres-and-groups/graduate-school-gbr
○ Borstel Hamburg	Leibniz Graduate School "Infections"	www.lci-infection.de/lci-graduate-school.html
○ Bremen	Leibniz Graduate School Sustainable Use of Tropical Aquatic Systems (SUTAS)	www.zmt-bremen.de/SUTAS.html
○ Göttingen	Leibniz Graduate School for Emerging Infectious Diseases (EIDIS)	www.dpz.eu/en/career/graduate-training/emerging-infectious-diseases/leibniz-graduate-school-for-emerging-infectious-diseases-eidis.html
○ Halle/Saale	IAMO Graduate School	www.iamo.de/en/young-talents/iamo-graduate-school/
○ Jena	International Leibniz Research School for Microbial and Biomolecular Interactions (ILRS Jena)	www.ilrs.de
INTERNATIONAL MAX PLANCK RESEARCH SCHOOLS (IMPRS)		
○ Bremen	IMPRS of Marine Microbiology	www.marmic.mpg.de/marmic
○ Cologne Düsseldorf	IMPRS on Understanding Complex Plant Traits using Computational and Evolutionary Approaches	www.mpipz.mpg.de/49993/IMPRS_Cologne
○ Leipzig	IMPRS "The Leipzig School of Human Origins"	www.leipzig-school.eva.mpg.de

GRADUATE TRAINING

Location	Title	Contact
 Marburg	IMPRS for Environmental, Cellular and Molecular Microbiology	www.imprs-marburg.de
 Plön	IMPRS for Evolutionary Biology	www.evolbio.mpg.de/imprs
 Potsdam - Golm	IMPRS "Primary Metabolism and Plant Growth"	www.mpimp-golm.mpg.de/IMPRS-PhD
 Seewiesen	IMPRS for Organismal Biology	www.orn.mpg.de/2453/Short_portrait
 Tübingen	IMPRS "From Molecules to Organisms"	http://imprs.tuebingen.mpg.de



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



The Research Explorer: Information on more than 19 000 institutes at German universities and non-university research institutions, searchable by geographic location, subject and other structural criteria. <http://research-explorer.dfg.de>



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





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DFG Deutsche
Forschungsgemeinschaft