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CELLULAR AND MOLECULAR
BIOLOGY



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CELLULAR AND MOLECULAR BIOLOGY

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PREFACE

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

Cellular and molecular biology 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 cellular and molecular biology 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 maps and tables highlight research consortia and graduate training programmes at universities and non-university research institutes with a main focus on cellular and molecular biology. Application-oriented research centres are included, if they are also focusing on basic research.

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 cellular and molecular biology. 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 field of cellular and molecular biology 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.

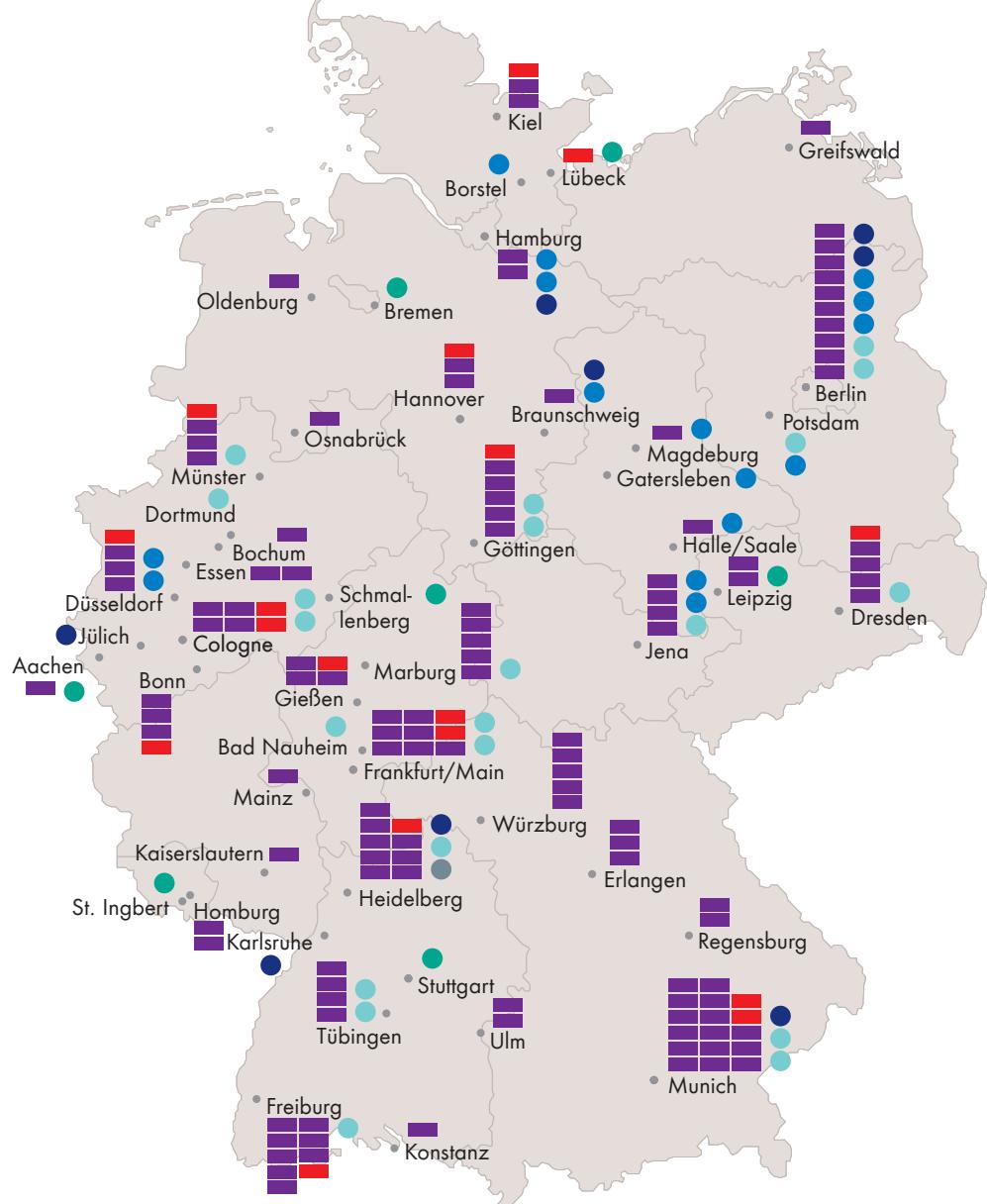
 Clusters of Excellence

 Collaborative Research Centres/Transregios

-  Fraunhofer Institutes
-  Helmholtz Centres
-  Leibniz Institutes
-  Max Planck Institutes
-  Others

DFG funded Priority Programmes and Research Units as well as the German Centres for Health Research (established by the Federal Ministry of Education and Research, BMBF) are not shown on the map since they are not necessarily located at a single location; they are listed on pages 21, 24 and 31.

CENTRES OF RESEARCH/ 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.

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 synergistic 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				
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	ImmunoSensation: The Immune Sensory System (EXC 1023)	2012	www.immuno-sensation.de
Cologne Düsseldorf	Universität zu Köln Heinrich-Heine Universität Düsseldorf	Cluster of Excellence on Plant Sciences – From Complex Traits towards Synthetic Modules (CEPLAS) (EXC 1028)	2012	http://ceplas.eu/en
Cologne	Universität zu Köln	Cellular Stress Responses in Aging-Associated Diseases (CECAD) (EXC 229)	2007	www.cecad.uni-koeln.de
Dresden	Technische Universität Dresden	Center for Regenerative Therapies Dresden (CRTD) (EXC 168)	2006	www.crt-dresden.de
Frankfurt/ Main Gießen	Johann Wolfgang Goethe-Universität Frankfurt am Main Justus-Liebig-Universität Gießen	Cardio-Pulmonary System (ECCPS) (EXC 147)	2006	www.eccps.de
Frankfurt/ Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Macromolecular Complexes (EXC 115)	2006	www.cef-mc.de
Freiburg	Albert-Ludwigs-Universität Freiburg	BIOSS Centre for Biological Signalling Studies – From Analysis to Synthesis (EXC 294)	2007	www.bioss.uni-freiburg.de
Göttingen	Georg-August-Universität Göttingen	Nanoscale Microscopy and Molecular Physiology of the Brain (CNMPB) (EXC 171)	2006	www.cmpb.uni-goettingen.de
Hannover	Gottfried Wilhelm Leibniz Universität Medizinische Hochschule Hannover	REBIRTH – From Regenerative Biology to Reconstructive Therapy (EXC 62)	2006	www.rebirth-hannover.de/en
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Cellular Networks: From Molecular Mechanisms to Quantitative Understanding of Complex Functions (EXC 81)	2006	www.cellnetworks.uni-hd.de
Kiel Lübeck	Christian-Albrechts-Universität Kiel Universität zu Lübeck	Inflammation at Interfaces (EXC 306)	2007	http://inflammation-at-interfaces.de/en

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Münster	Westfälische-Wilhelms-Universität Münster	Cells in Motion – CiM: Imaging to Understand Cellular Behaviour in Organisms (EXC 1003)	2012	www.uni-muenster.de/CiMIC
Munich	Ludwig-Maximilians-Universität München Technische Universität München	Munich Cluster for Systems Neurology (SyNergy) (EXC 1010)	2012	www.synergy-munich.de
Munich	Ludwig-Maximilians-Universität München Technische Universität München	Center for Integrated Protein Science Munich (CIPSM) (EXC 114)	2006	www.cipsm.de/en

COLLABORATIVE RESEARCH CENTRES

Berlin	Freie Universität Berlin	Nanocarriers: Architecture, Transport, and Topical Application of Drugs for Therapeutic Use (CRC 1112)	2013	www.sfb1112.de/en
Berlin	Freie Universität Berlin	Protonation Dynamics in Protein Function (CRC 1078)	2013	www.sfb1078.de
Berlin	Freie Universität Berlin	Priming and Memory of Organismic Responses to Stress (CRC 973)	2012	www.sfb973.de
Berlin	Freie Universität Berlin	Scaffolding of Membranes: Molecular Mechanisms and Cellular Functions (CRC 958)	2011	www.sfb958.de
Berlin	Charité – Universitätsmedizin Berlin	From Molecules to Modules: Organisation and Dynamics of Functional Units in Cells (CRC 740)	2006	www.sfb740.de/en
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Molecular Mechanisms and Chemical Modulation of Local Immune Regulation (CRC 704)	2005	www.sfb704.uni-bonn.de
Cologne	Universität zu Köln	Mitochondrial Regulation of Cellular Function (CRC 1218)	2016	http://sfb1218.uni-koeln.de
Cologne	Universität zu Köln	Molecular Mechanisms Regulating Skin Homeostasis (CRC 829)	2008	www.sfb829.uni-koeln.de
Cologne	Universität zu Köln	Cell-Autonomous Immunity (CRC 670)	2006	http://sfb670.uk-koeln.de
Cologne	Universität zu Köln	Molecular Basis of Evolutionary Innovations (CRC 680)	2005	www.sfb680.uni-koeln.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Dresden	Technische Universität Dresden	Cells into Tissues: Stem Cell and Progenitor Commitment and Interactions during Tissue Formation (CRC 655)	2005	www.sfb655.de
Düsseldorf	Heinrich-Heine Universität Düsseldorf	Identity and Dynamics of Membrane Systems - From Molecules to Cellular Functions (CRC 1208)	2015	www.sfb1208.hhu.de
Düsseldorf	Heinrich-Heine Universität Düsseldorf	Liver Damage and Regeneration (CRC 974)	2011	www.uniklinik-duesseldorf.de/sfb-974 (DE)
Düsseldorf	Heinrich-Heine Universität Düsseldorf	Master Switches in Cardiac Ischemia (CRC 1116)	2014	www.sfb1116.hhu.de
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Checkpoints for Resolution of Inflammation (CRC 1181)	2015	www.sfb1181.forschung.fau.eu
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Reprogramming of Host Cells by Microbial Effectors (CRC 796)	2008	www.sfb796.forschung.uni-erlangen.de
Essen	Universität Duisburg-Essen	Supramolecular Chemistry on Proteins (CRC 1093)	2013	www.uni-due.de/crc1093
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Molecular and Functional Characterization of Selective Autophagy (CRC 1177)	2015	www.sfb1177.de
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Signalling by Fatty Acid Derivatives and Sphingolipids in Health and Disease (CRC 1039)	2013	www.lipidsignalling.de/en/home
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Molecular Principles of RNA-based Regulation (CRC 902)	2011	www.sfb902.de
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Endothelial Signalling and Vascular Repair (CRC 834)	2009	www.sfb834.de
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Redox-Regulation: Generatorsystems and Functional Consequences (CRC 815)	2008	www.redox-sfb.de/english
Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Transport and Communication Across Biological Membranes (CRC 807)	2008	www.sfb807.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Freiburg	Albert-Ludwigs-Universität Freiburg	IMPATH - Immune-Mediated Pathology as a Consequence of Impaired Immune Reactions (CRC 1160)	2015	www.sfb1160.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg	Medical Epigenetics (MEDEP) From Basic Mechanisms to Clinical Applications (CRC 992)	2012	www.sfb992.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg	Control of Cell Motility in Morphogenesis, Cancer Invasion and Metastasis (CRC 850)	2009	www.sfb850.uni-freiburg.de/en
Freiburg	Albert-Ludwigs-Universität Freiburg	Functional Specificity by Coupling and Modification of Proteins (CRC 746)	2006	www.sfb746.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg	Kidney Disease - from Genes to Mechanisms (KIDGEM) (CRC 1140)	2014	www.sfb1140.uni-freiburg.de
Gießen	Justus-Liebig-Universität Gießen	Pulmonary Hypertension and Cor Pulmonale (CRC 1213)	2016	www.uni-giessen.de/fbz/fb11/forschung-neu/schwerpunkte/sfb/SFB1213
Göttingen	Georg-August-Universität Göttingen	Compartmental Gates and Contact Sites in Cells (CRC 1190)	2015	www.sfb1190.de
Göttingen	Georg-August-Universität Göttingen	Modulatory Units in Heart Failure (CRC 1002)	2012	www.herzzentrum-goettingen.de
Göttingen	Georg-August-Universität Göttingen	Cellular Mechanisms of Sensory Processing (CRC 889)	2010	www.sfb889.uni-goettingen.de
Göttingen	Georg-August-Universität Göttingen	Integrative Structural Biology of Dynamic Macromolecular Assemblies (CRC 860)	2010	http://msb.bio.uni-goettingen.de/SFB860
Göttingen	Georg-August-Universität Göttingen	Functionality Controlled by Organization in and Between Membranes (CRC 803)	2008	www.uni-goettingen.de/en/213080.html
Hamburg	Universität Hamburg	Immune-Mediated Glomerular Diseases - Basic Concepts and Clinical Implications (CRC 1192)	2015	www.sfb1192.de
Hamburg	Universität Hamburg	Liver Inflammation: Infection, Immune Regulation and Consequences (CRC 841)	2009	http://sfb841.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Hannover	Medizinische Hochschule Hannover	Chronic Infections: Microbial Persistence and its Control (CRC 900)	2010	www.mh-hannover.de/sfb900.html
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Cellular Surveillance and Damage Response (CRC 1036)	2012	www.zmbh.uni-heidelberg.de/sfb1036
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Maintenance and Differentiation of Stem Cells in Development and Disease (CRC 873)	2010	www.sfb873.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Integrative Analysis of Pathogen Replication and Spread (CRC 1129)	2014	www.sfb1129.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Reactive Metabolites as a Cause of Diabetic Complications (CRC 1118)	2014	www.klinikum.uni-heidelberg.de/Willkommen.132204.0.html
Homburg	Universität des Saarlandes	Ca²⁺ Signals: Molecular Mechanisms und Integrative Functions (CRC 894)	2010	http://sfb894.uni-saarland.de/en
Jena	Friedrich-Schiller-Universität Jena	AquaDivA: Understanding the Links between Surface and Subsurface Biogeosphere (CRC 1076)	2013	www.aquadiva.uni-jena.de
Jena	Friedrich-Schiller-Universität Jena	Chemical Mediators in Complex Biosystems (CRC 1127)	2014	www.chembiosys.de/en
Kiel	Christian-Albrechts-Universität zu Kiel	Origin and Function of Metaorganisms (CRC 1182)	2015	www.metaorganism-research.com
Kiel	Christian-Albrechts-Universität zu Kiel	Proteolysis as a Regulatory Event in Pathophysiology (CRC 877)	2010	www.uni-kiel.de/Biochemie/sfb877
Konstanz	Universität Konstanz	Chemical and Biological Principles of Cellular Proteostasis (CRC 969)	2011	https://sfb969.de
Leipzig	Universität Leipzig	Obesity Mechanisms (CRC 1052)	2012	www.sfb1052.de
Magdeburg	Otto-von-Guericke-Universität Magdeburg	Molecular Organisation of Cellular Communication in the Immune System (CRC 854)	2009	www.sfb854.de
Mainz	Johannes-Gutenberg-Universität Mainz	Molecular and Cellular Mechanisms of Neural Homeostasis (CRC 1080)	2012	http://crc1080.com

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Marburg	Philipps-Universität Marburg	RNA Viruses: RNA Metabolism, Host Response and Pathogenesis (CRC 1021)	2012	www.uni-marburg.de/sfb1021
Marburg	Philipps-Universität Marburg	Microbial Diversity in Environmental Signal Response (CRC 987)	2012	www.sfb987.de
Münster	Westfälische-Wilhelms-Universität Münster	Breaking Barriers – Immune Cells and Pathogens at Cell/Matrix Barriers (CRC 1009)	2012	http://campus.uni-muenster.de/sfb1009.html
Münster	Westfälische-Wilhelms-Universität Münster	Molecular Cardiovascular Imaging (MoBiL) – From Mouse to Man (CRC 656)	2005	www.uni-muenster.de/Sfbmobil/en
Munich	Ludwig-Maximilians-Universität München	Genetic and Epigenetic Evolution of Hematopoietic Neoplasms (CRC 1243)	2015	www.sfb1243.biologie.uni-muenchen.de
Munich	Ludwig-Maximilians-Universität München	Atherosclerosis: Mechanisms and Networks of Novel Therapeutic Targets (CRC 1123)	2014	www.sfb1123.med.uni-muenchen.de/index.html
Munich	Ludwig-Maximilians-Universität München	Chromatin Dynamics (CRC 1064)	2013	www.sfb1064.med.uni-muenchen.de
Munich	Ludwig-Maximilians-Universität München	Control and Plasticity of Cell-Fate Decisions in the Immune System (CRC 1054)	2012	www.sfb1054.med.uni-muenchen.de
Munich	Ludwig-Maximilians-Universität München	Trafficking of Immune Cells in Inflammation, Development and Disease (CRC 914)	2011	www.sfb914.med.uni-muenchen.de
Munich	Technische Universität München	Control of Protein Function by Conformational Switching (CRC 1035)	2012	www.sfb1035.tum.de/en
Munich	Technische Universität München	Molecular Mechanisms Regulating Yield and Yield Stability in Plants (CRC 924)	2011	http://sfb924.wzw.tum.de
Munich	Technische Universität München	Forces in Biomolecular Systems (CRC 863)	2009	www.sfb863.de
Munich	Technische Universität München	Imaging for Selection, Monitoring and Individualization of Cancer Therapies (CRC 824)	2009	www.sfb824.de/en

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Osnabrück	Universität Osnabrück	Physiology and Dynamics of Cellular Microcompartments (CRC 944)	2010	www.biologie.uni-osnabrueck.de/sonderforschungsbereich/sfb_944/home.html
Regensburg	Universität Regensburg	Ribosome Formation: Principles of RNP Biogenesis and Control of their Function (CRC 960)	2011	http://sfb960.de
Regensburg	Universität Regensburg	Structural, Physiological and Molecular Determinants of Kidney Function (CRC 699)	2005	www.sfb699.uni-regensburg.de (DE)
Tübingen	Eberhard Karls Universität Tübingen	Molecular Encoding of Specificity in Plant Processes (CRC 1101)	2013	www.uni-tuebingen.de/en/research/core-research/collaborative-research-centers/sfb-1101.html
Tübingen	Eberhard Karls Universität Tübingen	The Bacterial Cell Envelope: Structure, Function and Infection Interface (CRC 766)	2007	www.sfb766.uni-tuebingen.de
Tübingen	Eberhard Karls Universität Tübingen	Immunotherapy: Molecular Basis and Clinical Application (CRC 685)	2005	www.sfb685.de
Ulm	Universität Ulm	Danger Response, Disturbance Factors and Regenerative Potential after Acute Trauma (CRC 1149)	2014	www.uni-ulm.de/en/einrichtungen/crc-1149
Ulm	Universität Ulm	Experimental Models and Clinical Translation in Leukemia (CRC 1074)	2012	www.uni-ulm.de/en/einrichtungen/sfb-1074
Würzburg	Julius-Maximilians-Universität Würzburg	Insect Timing: Mechanisms, Plasticity and Interactions (CRC 1047)	2012	www.sfb1047.uni-wuerzburg.de/en
Würzburg	Julius-Maximilians-Universität Würzburg	Mechanisms and Imaging of Cell-Cell-Interactions in the Cardiovascular System (CRC 688)	2005	www.sfb688.uni-wuerzburg.de/en

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
COLLABORATIVE RESEARCH CENTRES/TRANSRÉGIOS				
Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	Organ Fibrosis: From Mechanisms of Injury to Modulation of Disease (TRR 57)	2008	www.sfbtrr57.rwth-aachen.de
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn			
Berlin	Charité – Universitätsmedizin Berlin	B Cells: Immunity and Autoimmunity (TRR 130)	2013	www.trr130.forschung.uni-erlangen.de
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg			
Freiburg	Albert-Ludwigs-Universität Freiburg			
Berlin	Charité – Universitätsmedizin Berlin	Innate Immunity of the Lung: Mechanisms of Pathogen Attack and Host Defence in Pneumonia (TRR 84)	2010	www.sfb-tr84.de
Gießen	Justus-Liebig-Universität Gießen			
Marburg	Philipps-Universität Marburg			
Berlin	Charité – Universitätsmedizin Berlin	Molecular Switches: Spatio-Temporal Control of Cellular Signal Transmission (TRR 186)	2016	http://bzh.db-engine.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg			
Berlin	Humboldt-Universität zu Berlin	The Green Hub - Central Coordinator of Acclimation in Plants (TRR 175)	2016	www.trr175.bio.lmu.de
Kaiserslautern	Technische Universität Kaiserslautern			
Munich	Ludwig-Maximilians-Universität München			
Berlin	Charité – Universitätsmedizin Berlin	Principles and Applications of Adoptive T Cell Therapy (TRR 36)	2006	www.sfb-tr36.com
Munich	Ludwig-Maximilians-Universität München			
	Technische Universität München			

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Bochum Essen Shanghai (P.R. China) Wuhan (P.R. China)	Ruhr-Universität Bochum Universität Duisburg-Essen Fudan University Huazhong University of Science and Technology	Mutual Interaction of Viruses with Cells of the Immune System: From Fundamental Research to Immunotherapy and Vaccination (TRR 60)	2009	www.uni-due.de/trr60
Bonn Dresden Heidelberg	Rheinische Friedrich-Wilhelms-Universität Bonn Technische Universität Dresden Ruprecht-Karls-Universität Heidelberg	Molecular Architecture and Cellular Functions of Lipid/Protein Assemblies (TRR 83)	2009	www.trr83.de
Braunschweig Oldenburg	Technische Universität Braunschweig Carl von Ossietzky Universität Oldenburg	Ecology, Physiology and Molecular Biology of the Roseobacter Clade: Towards a Systems Biology Understanding of a Globally Important Clade of Marine Bacteria (TRR 51)	2009	www.roseobacter.de
Dresden Hannover Munich	Technische Universität Dresden Medizinische Hochschule Hannover Ludwig-Maximilians-Universität München Technische Universität München	Biology of Xenogeneic Cell and Organ Transplantation – From Bench to Bedside (TRR 127)	2012	www.klinikum.uni-muenchen.de/SFB-TRR-127
Dresden Leipzig	Technische Universität Dresden Universität Leipzig	Functional Biomaterials for Controlling Healing Processes in Bone and Skin - From Material Science to Clinical Application (TRR 67)	2009	http://research.uni-leipzig.de/trr67
Frankfurt/ Main Heidelberg	Johann Wolfgang Goethe-Universität Frankfurt am Main Ruprecht-Karls-Universität Heidelberg	Vascular Differentiation and Remodeling (TRR 23)	2005	www.transregio23.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Freiburg Heidelberg	Albert-Ludwigs-Universität Freiburg	Determinants and Dynamics of Elimination versus Persistence of Hepatitis Virus Infection (TRR 179)	2016	http://gepris.dfg.de/gepris/projekt/272983813
Munich	Ruprecht-Karls-Universität Heidelberg Ludwig-Maximilians-Universität München Technische Universität München			
Freiburg Homburg	Albert-Ludwigs-Universität Freiburg	TRIPs to Homeostasis: Maintenance of Body Homeostasis by Transient Receptor Potential Channel Modules (TRR 152)	2014	www.sfb-trr152.med.uni-muenchen.de
Munich	Universität des Saarlandes			
Ludwig-Maximilians-Universität München				
Gießen Marburg	Justus-Liebig-Universität Gießen	Chromatin Changes in Differentiation and Malignancies (TRR 81)	2010	www.uni-giessen.de/cms/fbz/fb08/trr81
Rotterdam (Netherlands)	Philipps-Universität Marburg			
Greifswald Münster	Ernst-Moritz-Arndt Universität Greifswald	Pathophysiology of Staphylococci in the Post-Genome-Era (TRR 34)	2006	www.staphaureus.org
Tübingen	Westfälische Wilhelms-Universität Münster			
Eberhard Karls Universität Tübingen				
Julius-Maximilians-Universität Würzburg				
Jena Würzburg	Friedrich-Schiller-Universität Jena	High-End Light Microscopy Elucidates Membrane Receptor Function - Receptor Light (TRR 166)	2015	www.receptorlight.uni-jena.de
	Julius-Maximilians-Universität Würzburg			
Jena Würzburg	Friedrich-Schiller-Universität Jena	Pathogenic Fungi and their Human Host: Networks of Interaction – FungiNet – (TRR 124)	2013	www.funginet.de
	Julius-Maximilians-Universität Würzburg			
Marburg Munich	Philipps-Universität Marburg	Spatiotemporal Dynamics of Bacterial Cells (TRR 174)	2016	www.trr174.org
	Ludwig-Maximilians-Universität München			



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.



RESEARCH UNITS

Title	Funded Since	Contact
Pemphigus - From Pathogenesis to Therapeutics (Pegasus) (FOR 2497)	2016	http://gepris.dfg.de/gepris/projekt/289113135
Cell Plasticity in Colorectal Carcinogenesis (FOR 2438)	2016	www.for2438.de
Exploring Articular Cartilage and Subchondral Bone Degeneration and Regeneration in Osteoarthritis (ExCarBon) (FOR 2407)	2015	www.excarbon.com
Macromolecular Complexes in mRNA Translocation (FOR 2333)	2015	http://for2333.de
VIROCARB: Glycans Controlling Non-Enveloped Virus Infections (FOR 2327)	2015	www.virocarb.de
Targeting Therapeutic Windows in Essential Cellular Processes for Tumor Therapy (FOR 2314)	2015	www.pch2.biozentrum.uni-wuerzburg.de/for2314
Understanding Intramembrane Proteolysis (FOR 2290)	2015	www.i-proteolysis.de
Sociality and the Reversal of the Fecundity-Longevity Trade-Off (FOR 2281)	2015	http://gepris.dfg.de/gepris/projekt/261675780
Adaptation and Persistence of the Emerging Pathogen <i>Acinetobacter baumannii</i> (FOR 2251)	2014	www.acinetobacter.de
(Lymph)Angiogenesis and Cellular Immunity in Inflammatory Diseases of the Eye (FOR 2240)	2014	www.for2240.de
Regeneration in Aged Individuals: Using Bone Healing as a Model System to Characterize Regeneration under Compromised Conditions (FOR 2165)	2014	https://jwi.charite.de/en/about_us/research_network/research_unit_regeneration_in_aged/
Elucidation of Adhesion-GPCR signaling (FOR 2149)	2014	www.adhesiongpcr.de/en_US
Selection and Adaptation during Metastatic Cancer Progression (FOR 2127)	2014	http://www.for2127.de (DE)
Biogenesis of Thylakoid Membranes: Spatiotemporal Organization of Photosynthetic Protein Complex Assembly (FOR 2092)	2014	www.uni-kl.de/for2092
Sphingolipid Dynamics in Infection Control (FOR 2123)	2013	www.virologie.uni-wuerzburg.de/for2123
cGMP Signalling in Cell Growth and Survival (FOR 2060)	2013	www.cyclic-gmp.de
Nanopatterned Organic Matrices in Biological Silica Mineralization (FOR 2038)	2013	www.nanomee.de
New Insights into Bcl-2 Family Interactions: From Biophysics to Function (FOR 2036)	2013	http://bioinformatics.uni-konstanz.de/for2036
The Hematopoietic Niches (NicHem) (FOR 2033)	2013	www.for2033.med.tum.de
Mature T-Cell Lymphomas - Mechanisms of Perturbed Clonal T-Cell Homeostasis (FOR 1961)	2013	www.controlt.de
Structure and Function of the Peroxisomal Translocon (PerTrans) (FOR 1905)	2013	www.pertrans.org

RESEARCH UNITS

Title	Funded Since	Contact
The Forgotten Part of Carbon Cycling: Organic Matter Storage and Turnover in Subsoils (SUBSOM) (FOR 1806)	2013	www.subsom.de
Ribosome Dynamics in Regulation of Speed and Accuracy of Translation (FOR 1805)	2012	www.uni-potsdam.de/for1805
Heme and Heme Degradation Products (HHDP): Alternative Functions and Signalling Mechanisms (FOR 1738)	2012	www.hhdp.uni-jena.de
Functional Dynamics of Cell Contacts in Cellular Assemblies and Migratory Cells (FOR 1756)	2011	http://for1756.uni-goettingen.de
Unravelling the Prokaryotic Immune System (FOR 1680)	2011	www.uni-ulm.de/nawi/nawi-for1680.html
SKELMET - Mesenchymal and Osteogenic Signalling Pathways in Malignant Bone Diseases (FOR 1586)	2011	www.skelmet.de
Shear Flow Regulation of Hemostasis - Bridging the Gap between Nanomechanics and Clinical Presentation (FOR 1543)	2011	www.shenc.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
Anaerobic Biological Dehalogenation: Organisms, Biochemistry, and (Eco-)physiology (FOR 1530)	2010	www.uni-jena.de/en/FOR1530-EGOTEC-n40nafn4.html
Exploiting the Potential of Natural Compounds: Myxobacteria as Source for Leads, Tools and Therapeutics in Cancer Research (FOR 1406)	2010	www.for1406.uni-muenchen.de
Physiological Functions of the APP Gene Family in the Central Nervous System (FOR 1332)	2010	www.uni-heidelberg.de/app-function/index.html
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 have 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. One programme can consist of up to 30 individual researchers and subprojects located at several institutions across Germany; it usually has one coordinating person. Priority Programmes normally receive funding for a period of six years.

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

Title	Funded Since	Contact
Innate Lymphoid Cells (SPP 1937)	2016	http://gepris.dfg.de/gepris/projekt/273942223
Deciphering the mRNP Code: RNA-bound Determinants of Post-Transcriptional Gene Regulation (SPP 1935)	2016	http://spp1935.de
Iron-Sulfur for Life (SPP 1927)	2016	www.ironsulfurforlife.de
Next Generation Optogenetics: Tool Development and Application (SPP 1926)	2016	www.spp1926.org
Innate Sensing and Restriction of Retroviruses (SPP 1923)	2016	http://spp1923.de
Nucleotide Second Messenger Signaling in Bacteria (SPP 1897)	2016	www.biologie.hu-berlin.de/de/gruppenseiten/mikrobiologie/hengge/dfg_priority_programme/SPP%201897
Epithelial Intercellular Junctions as Dynamic Hubs to Integrate Forces, Signals and Cell Behaviour (SPP 1782)	2015	www.maginlab.eu/home-dfg-spp-1782.html
Emerging Roles of Non-Coding RNAs in Nervous System Development, Plasticity and Disease (SPP 1738)	2014	www.spp1738.de

PRIORITY PROGRAMMES

Title	Funded Since	Contact
Dynamics of Thiol-Based Redox Switches in Cellular Physiology (SPP 1710)	2014	www.thiolswitches.de
Rapid Evolutionary Adaptation: Potential and Constraints (SPP 1819)	2013	https://dfg-spp1819.uni-hohenheim.de
Intestinal Microbiota - A Microbial Ecosystem at the Edge between Immune Homeostasis and Inflammation (SPP 1656)	2013	www.intestinal-microbiota.de
Ecology and Species Barriers in Emerging Viral Diseases (SPP 1596)	2013	www.spp1596.com
THYROID TRANS ACT - Translation of Thyroid Hormone Actions beyond Classical Concepts (SPP 1629)	2012	www.thyroidtransact.de
Chemoselective Reactions for the Synthesis and Application of Functional Proteins (SPP 1623)	2012	www.spp1623.de
Phenotypic Heterogeneity and Sociobiology of Bacterial Populations (SPP 1617)	2012	http://spp1617.tu-bs.de
Ultrafast and Temporally Precise Information Processing: Normal and Dysfunctional Hearing (SPP 1608)	2012	www.pp1608.com
Intracellular Compartments as Places of Pathogen-Host-Interactions (SPP 1580)	2011	www.spp1580.uni-bonn.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
Epigenetic Regulation of Normal Hematopoiesis and its Dysregulation in Myeloid Neoplasia (SPP 1463)	2010	www.myeloid-epigenetics.de



NON-UNIVERSITY RESEARCH INSTITUTIONS

Fraunhofer Society is one of the world's leading organisations for applied research with an annual research budget of 2.1 billion euros, 69 institutes and more than 24,500 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 38,000 employees in 18 research centres and an annual budget of approximately 4.24 billion euros, the Helmholtz Association is Germany's largest scientific organisation. www.helmholtz.de

The Leibniz Association is an umbrella organisation of 89 research institutes. The annual budget amounts to 1.73 billion euros. Some 9,300 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 2016. A combined total of more than 13,000 researchers, postdoctoral/junior researchers and visiting researchers at 83 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 Schmallen-berg	Fraunhofer Institute for Molecular Biology and Applied Ecology (IME)	www.ime.fraunhofer.de/en
● Bremen	Fraunhofer Institute for Medical Image Computing (MEVIS)	www.mevis.fraunhofer.de/en
● Leipzig	Fraunhofer Institute for Cell Therapy and Immunology (IZI)	www.izi.fraunhofer.de
● Lübeck	Fraunhofer Research Institution for Marine Biotechnology (EMB)	www.emb.fraunhofer.de/en
● St. Ingbert	Fraunhofer Institute for Biomedical Engineering (IBMT)	www.ibmt.fraunhofer.de/en
● Stuttgart	Fraunhofer Institute for Interfacial Engineering and Biotechnology (IGB)	www.igb.fraunhofer.de/en
HELMHOLTZ CENTRES		
● Berlin-Buch	Max Delbrück Center for Molecular Medicine (MDC) Berlin-Buch	www.mdc-berlin.de
● Braunschweig	Helmholtz Centre for Infection Research	www.helmholtz-hzi.de/en
● Hamburg	Deutsches Elektronen-Synchrotron DESY	www.desy.de
● Heidelberg	German Cancer Research Centre (DKFZ)	www.dkfz.de
● Jülich	Forschungszentrum Jülich	www.fz-juelich.de
● Karlsruhe	Karlsruhe Institute of Technology (KIT)	www.kit.edu
● Munich	Helmholtz Zentrum München - German Research Center for Environmental Health	www.helmholtz-muenchen.de
● Teltow (Berlin)	Helmholtz-Zentrum Geesthacht – Centre for Materials and Coastal Research / Institute for Biomaterial Science in Teltow	www.hzg.de
LEIBNIZ INSTITUTES		
● Berlin	German Rheumatism Research Centre (DRFZ)	www.drfz.de
● Berlin	Leibniz-Institute for Molecular Pharmacology (FMP)	www.fmp-berlin.de
● Berlin	Leibniz Institute for Zoo and Wildlife Research (IZW)	www.izw-berlin.de
● Borstel	Leibniz Center for Medicine and Biosciences (FZB)	www.fz-borstel.de
● Braunschweig	Leibniz Institute DSMZ – German Collection of Microorganisms and Cell Cultures	www.dsmz.de
● Düsseldorf	German Diabetes Center (DDZ)	http://ddz.uni-duesseldorf.de/en
● Düsseldorf	Leibniz Institute for Environmental Medicine (IUF)	www.iuf-duesseldorf.de
● Gatersleben	Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)	www.ipk-gatersleben.de/en

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
● Halle/Saale	Leibniz Institute of Plant Biochemistry (IPB)	www.ipb-halle.de/en
● Hamburg	Bernhard-Nocht-Institute for Tropical Medicine (BNITM)	www.bnitm.de
● Hamburg	Leibniz Institute for Experimental Virology (HPI)	www.hpi-hamburg.de/en
● Jena	Leibniz Institute for Age Research (FLI)	www.fli-leibniz.de
● Jena	Leibniz-Institute for Natural Product Research and Infection Biology (HKI)	www.hki-jena.de
● Magdeburg	Leibniz-Institute for Neurobiology (LIN)	www.lin-magdeburg.de
● Potsdam	German Institute of Human Nutrition (DIFE)	www.dife.de

MAX-PLANCK-INSTITUTES

● Bad Nauheim	Max Planck Institute for Heart and Lung Research	www.mpi-hlr.de
● Berlin	Max Planck Institute for Infection Biology	www.mpiib-berlin.mpg.de/2285/en
● Berlin	Max Planck Institute for Molecular Genetics	www.molgen.mpg.de
● Cologne	Max Planck Institute for Biology and Ageing	www.age.mpg.de
● Cologne	Max Planck Institute for Plant Breeding Research	www.mppiz.mpg.de
● Dortmund	Max Planck Institute of Molecular Physiology	www.mpi-dortmund.mpg.de
● Dresden	Max Planck Institute of Molecular Cell Biology and Genetics	www.mpi-cbg.de
● Frankfurt/Main	Max Planck Institute of Biophysics	www.biophys.mpg.de
● Frankfurt/Main	Max Planck Institute for Brain Research	www.brain.mpg.de
● Freiburg	Max Planck Institute of Immunobiology and Epigenetics	www.ie-freiburg.mpg.de
● Göttingen	Max Planck Institute for Biophysical Chemistry	www.mpibpc.mpg.de
● Göttingen	Max Planck Institute for Experimental Medicine	www.em.mpg.de
● Heidelberg	Max Planck Institute for Medical Research	www.mpimf-heidelberg.mpg.de
● Jena	Max Planck Institute for Chemical Ecology	www.ice.mpg.de
● Marburg	Max Planck Institute for Terrestrial Microbiology	www.mpi-marburg.mpg.de
● Martinsried (Munich)	Max Planck Institute of Biochemistry	www.biochem.mpg.de
● Martinsried (Munich)	Max Planck Institute of Neurobiology	www.neuro.mpg.de
● Münster	Max Planck Institute for Molecular Biomedicine	www.mpi-muenster.mpg.de

NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
● Potsdam - Golm	Max Planck Institute for Molecular Plant Physiology	www.mpimp-golm.mpg.de
● Tübingen	Friedrich Miescher Laboratory of the Max Planck Society	www.fml.tuebingen.mpg.de
● Tübingen	Max Planck Institute for Developmental Biology	www.eb.tuebingen.mpg.de
OTHERS		
● Heidelberg	European Molecular Biology Laboratory (EMBL) Heidelberg	www.embl.de



GERMAN CENTRES FOR HEALTH RESEARCH

The German Centres for Health Research – launched by the German Federal Ministry of Education and Research (BMBF) in 2009 – were established as long-term, equal partnerships between non-university research institutions and universities with university hospitals. The key objectives of the federal government's health research programme is to improve efforts to fight serious diseases that are widespread in the population more effectively.

The German Centres for Health Research shall bundle existing expertise and thus make a significant contribution to closing knowledge gaps and improving the prevention, diagnosis and treatment of these diseases. The research objective is the close collaboration of basic research with clinical research – always oriented on patient needs and indications. The close ties and the associated expansion of existing research structures will enable translational research and thus a faster transfer of research findings into clinical practice.

German Centres for Health Research are not shown on the map. Only the titles of the overall themes and the project website are listed.

GERMAN CENTRES FOR HEALTH RESEARCH

Title	Funded Since	Contact
German Centre for Cardiovascular Research (DZHK)	2011	http://dzhk.de/1
German Center for Infection Research (DZIF)	2011	www.dzif.de/en
German Consortium for Translational Cancer Research (DKTK)	2011	www.dkfz.de/en/dktk
The German Center for Lung Research (DZL)	2011	www.dzl.de/index.php/en
German Center for Diabetes Research (DZD)	2009	www.dzd-ev.de/en
German Center for Neurodegenerative Diseases (DZNE)	2009	www.dzne.de/en



- Graduate Schools
- Research Training Groups
- International Research Training Groups
- Integrated Research Training Groups in Clusters of Excellence
- Integrated Research Training Groups in Collaborative Research Centres/Transregios

- Helmholtz Graduate Schools
- Leibniz Graduate Schools
- International Max Planck Research Schools

GRADUATE TRAINING



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/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
GRADUATE SCHOOLS				
Berlin	Freie Universität Berlin Humboldt-Universität zu Berlin	Berlin School of Integrative Oncology (BSIO) (GSC 1091)	2012	www.bsio-cancerschool.de
Berlin	Charité – Universitätsmedizin Berlin	Berlin-Brandenburg School for Regenerative Therapies (BSRT) (GSC 203)	2007	www.bsrt.de
Dresden	Technische Universität Dresden	Dresden International Graduate School for Biomedicine and Bioengineering (DIGS-BB) (GSC 97)	2006	www.digs-bb.de
Freiburg	Albert-Ludwigs-Universität Freiburg	Spemann Graduate School of Biology and Medicine (SGBM) (GSC 4)	2006	www.sgbm.uni-freiburg.de
Göttingen	Georg-August-Universität Göttingen	Göttingen Graduate School for Neurosciences, Biophysics and Molecular Biosciences (GGNB) (GSC 226)	2007	www.uni-goettingen.de/en/sh/56640.html
Heidelberg	Ruprecht-Karls-Universität Heidelberg	The Hartmut Hoffmann-Berling International Graduate School of Molecular and Cellular Biology Heidelberg (HBIGS) (GSC 249)	2007	www.hbigs.uni-heidelberg.de
Jena	Friedrich-Schiller-Universität Jena	Jena School for Microbial Communication (JSMC) (GSC 214)	2007	www.jsmc.uni-jena.de
Konstanz	Universität Konstanz	Konstanz Research School Chemical Biology (KoRS-CB) (GSC 218)	2007	www.chembiol.uni-konstanz.de
Munich	Ludwig-Maximilians-Universität München	Graduate School of Quantitative Biosciences Munich (QBM) (GSC 1006)	2012	www.qbm.genzentrum.lmu.de
Ulm	Universität Ulm	International Graduate School in Molecular Medicine Ulm (IGradU) (GSC 270)	2007	www.uni-ulm.de/einrichtungen/mm
Würzburg	Julius-Maximilians-Universität Würzburg	Graduate School for Life Sciences (GSLS) (GSC 106)	2006	www.graduateschools.uni-wuerzburg.de

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
RESEARCH TRAINING GROUPS				
Berlin	Freie Universität Berlin	Parasite Infections: From Experimental Models to Natural Systems (RTG 2046)	2014	www.zibi-graduateschool-berlin.de
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Water Use Efficiency and Drought Stress Responses: From <i>Arabidopsis</i> to Barley (RTG 2064)	2015	www.imbio.uni-bonn.de/GRK2064-en
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Pharmacology of 7TM-Receptors and Downstream Signaling Pathways (RTG 1873)	2012	www.grk1873.uni-bonn.de
Braunschweig	Technische Universität Braunschweig	Protein Complex Assembly (PROCOMPAS) (RTG 2223)	2016	www.tu-braunschweig.de/procompas
Darmstadt	Technische Universität Darmstadt	Molecular and Cellular Responses to Ionizing Radiation (RTG 1657)	2010	www.bio.tu-darmstadt.de/ag_forschen/grk1657/index.en.jsp
Dresden	Technische Universität Dresden	Immunological and Cellular Strategies in Metabolic Disease (ICSMD) (RTG 2251)	2016	http://transcampus.eu/irtg
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Dynamic Interactions at Biological Membranes – From Single Molecules to Tissue (RTG 1962)	2013	www.biomembranes.org
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Key Signals of Adaptive Immune Response (RTG 1660)	2010	www.lymphozyten.de/DE
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Medicinal Chemistry of Selective GPCR Ligands (RTG 1910)	2012	www.grk1910.de
Essen	Universität Duisburg-Essen	Biomedicine of the Acid Sphingomyelinase/Acid Ceramidase System (RTG 2098)	2015	www.uni-due.de/grk2098
Essen	Universität Duisburg-Essen	Immune Response in Infectious Diseases – Regulation Between Innate and Adaptive Immunity (RTG 1949)	2013	www.uni-due.de/grk1949

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
■ Essen	Universität Duisburg-Essen	Molecular Determinants of the Cellular Radiation Response and their Potential for Response Modulation (RTG 1739)	2011	www.uni-due.de/grk1739
■ Freiburg	Albert-Ludwigs-Universität Freiburg	Transport across and into Membranes (RTG 2202)	2016	www.taim.uni-freiburg.de
■ Freiburg	Albert-Ludwigs-Universität Freiburg	Functional Diversity of Cofactors in Enzymes (RTG 1976)	2014	www.cofactor-diversity.uni-freiburg.de/RTG/RTGstart
■ Greifswald	Ernst-Moritz-Arndt Universität Greifswald	Bacterial Respiratory Infections – Common and Specific Mechanisms of Pathogen Adaptation and Immune Defense (RTG 1870)	2013	https://biologie.uni-greifswald.de/en/research-activities/research-training-groups-german-research-council-dfg/research-training-group-1870-bacterial-respiratory-infections
■ Greifswald	Ernst-Moritz-Arndt Universität Greifswald	Biochemical, Biophysical and Biomedical Effects of Reactive Oxygen and Nitrogen Species on Biological Membranes (RTG 1947)	2014	www.physik.uni-greifswald.de/biox
■ Halle/Saale	Martin-Luther-Universität Halle-Wittenberg	Posttranscriptional Control of Gene Expression: Mechanisms and Role in Pathogenesis (RTG 1591)	2009	www.intmeet.grk1591.de
■ Halle/Saale Jena	Martin-Luther-Universität Halle-Wittenberg Friedrich-Schiller-Universität Jena	ProMoAge - Protein Modification: A Key Mechanism for Ageing (RTG 2155)	2015	www.promoage.de
■ Hamburg	Universität Hamburg	Sorting and Interactions Between Proteins of Subcellular Compartments (RTG 1459)	2007	www.grk1459.de
■ Heidelberg	Ruprecht-Karls-Universität Heidelberg	Hallmarks of Skin Cancer (RTG 2099)	2014	www.rtg2099.de
■ Heidelberg	Ruprecht-Karls-Universität Heidelberg	Diabetic Microvascular Complications (DIAMICOM) (RTG 1874)	2012	www.umm.uni-heidelberg.de/ag/grk1874

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Jena	Friedrich-Schiller-Universität Jena	Molecular Signatures of Adaptive Stress Responses (RTG 1715)	2011	www.grk1715.uni-jena.de
Karlsruhe	Karlsruher Institut für Technologie	Molecular Architectures for Fluorescent Cell Imaging (RTG 2039)	2014	www.grk2039.kit.edu
Lübeck	Universität zu Lübeck	Adipocyte - Brain - Crosstalk (RTG 1957)	2013	www.grk1957.uni-luebeck.de
Marburg	Philipps-Universität Marburg	Membrane Plasticity in Tissue Development and Remodeling (RTG 2213)	2016	www.uni-marburg.de/fb17/forschung/gradkoll/gradkoll5/index_html
Munich	Ludwig-Maximilians-Universität München	Integrated Analysis of Macromolecular Complexes and Hybrid Methods in Genome Biology (RTG 1721)	2011	www.grk1721.genzentrum.lmu.de
Munich	Ludwig-Maximilians-Universität München	Molecular Principles of Synthetic Biology (RTG 2062)	2014	www.grk2062.uni-muenchen.de
Munich	Technische Universität München	Interface Functions of the Intestine between Luminal Factors and Host Signals (RTG 1482)	2007	www.grk1482.de
Oldenburg	Carl von Ossietzky Universität Oldenburg	Molecular Basis of Sensory Biology (RTG 1885)	2012	www.uni-oldenburg.de/en/sensorybio
Tübingen	Eberhard Karls Universität Tübingen	Molecular Principles of Bacterial Survival Strategies (RTG 1708)	2011	www.uni-tuebingen.de/forschung/forschungsschwerpunkte/graduiertenkollegs/grk-molecular-principles-of-bacterial-survival-strategies
Ulm	Universität Ulm	Cellular and Molecular Mechanisms in Aging (CEMMA) (RTG 1789)	2012	www.uni-ulm.de/med/med-cemma
Ulm	Universität Ulm	Heterogeneity and Evolution in Solid Tumors (HEIST): Molecular Characterization and Therapeutic Consequences (RTG 2254)	2016	www.uni-ulm.de/en/med/heist

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Würzburg	Julius-Maximilians-Universität Würzburg	3D Tissue Models for Studying Microbial Infections by Human Pathogens (RTG 2157)	2015	www.uni-wuerzburg.de/grk2157
Würzburg	Julius-Maximilians-Universität Würzburg	Understanding Ubiquitylation: From Molecular Mechanisms to Disease (RTG 2243)	2015	www.uni-wuerzburg.de/grk2243

INTERNATIONAL RESEARCH TRAINING GROUPS

Bielefeld Burnaby (Canada)	Universität Bielefeld Simon Fraser University	Computational Methods for the Analysis of the Diversity and Dynamics of Genomes (IRTG 1906)	2012	http://wiki.techfak.uni-bielefeld.de/didy
Bonn Melbourne (Australia)	Rheinische Friedrich-Wilhelms-Universität Bonn The University of Melbourne	Myeloid Antigen Presenting Cells and the Induction of Adaptive Immunity (IRTG 2168)	2015	http://bomerang.iei-bonn.de/bomerang.html
Düsseldorf Charlottesville (USA)	Heinrich-Heine-Universität Düsseldorf University of Virginia	Intra- and Interorgan Communication of the Cardiovascular System (IRTG 1902)	2013	www.irtg1902.hhu.de
Düsseldorf East Lansing (USA)	Heinrich-Heine-Universität Düsseldorf Michigan State University	The Dynamic Response of Plants to a Changing Environment (IRTG 1525)	2009	www.igrad-plant.hhu.de
Gießen Clayton (Australia)	Justus-Liebig-Universität Gießen Monash University	Molecular Pathogenesis of Male Reproductive Disorders (IRTG 1871)	2012	www.uni-giessen.de/cms/fbz/fb11/institute/anatomie/forschung/ag-reproduktion/irtg
Göttingen London (Great Britain)	Georg-August-Universität Göttingen King's College London	Phosphorylation- and Redox-Mediated Signalling Mechanisms in the Failing Heart (IRTG 1816)	2013	www.grk1816.med.uni-goettingen.de
Göttingen Vancouver (Canada)	Georg-August-Universität Göttingen University of British Columbia	PRoTECT - Plant Responses To Eliminate Critical Threats (IRTG 2172)	2015	www.uni-goettingen.de/de/529150.html

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Kaiserslautern Edmonton (Canada)	Technische Universität Kaiserslautern University of Alberta	Complex Membrane Proteins in Cellular Development and Disease (IRTG 1830)	2011	www.irtg1830.com
Lübeck Cincinnati (USA)	Universität zu Lübeck University of Cincinnati	Immune Regulation of Inflammation in Allergy and Infection (IRTG 1911)	2012	www.irtg1911.uni-luebeck.de
INTEGRATED RESEARCH TRAINING GROUPS IN CLUSTERS OF EXCELLENCE				
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	IIITB - International Immunology Training Program Bonn within: ImmunoSensation: the Immune Sensory System (EXC 1023)	2012	www.immuno-sensation.de/career/phd.html
Cologne Düsseldorf	Universität zu Köln Heinrich-Heine Universität Düsseldorf	The CEPLAS Graduate School within: Cluster of Excellence on Plant Sciences - From Complex Traits Towards Synthetic Modules (CEPLAS) (EXC 1028)	2012	www.ceplas.eu/en/training-careers/ceplas-graduate-school
Cologne	Universität zu Köln	Cologne Graduate School of Ageing Research within: Cellular Stress Responses in Aging-Associated Diseases (CECAD) (EXC 229)	2007	www.ageing-grad-school.de
Hannover	Gottfried Wilhelm Leibniz Universität Medizinische Hochschule Hannover	Integrated PhD Program "Regenerative Sciences" within REBIRTH – From Regenerative Biology to Reconstructive Therapy (EXC 62)	2006	www.rebirth-hannover.de/en/phd-program
Münster	Westfälische Wilhelms-Universität Münster	Integrated Joint Graduate Program "CiM-IMPRS" within: Cells in Motion (CiM): Imaging to Understand Cellular Behaviour in Organisms (EXC 1003) in Cooperation with IMPRS - Molecular Biomedicine	2012	www.cim-imprs.de
Munich	Ludwig-Maximilians-Universität München Technische Universität München	Graduate School Life Science Munich (LSM) within: Center for Integrated Protein Science Munich (CIPSM) (EXC 114)	2006	www.lsm.bio.lmu.de

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES				
 Berlin	Freie Universität Berlin	Integrated Research Training Group "Nanocarriers" within: Nanocarriers: Architecture, Transport, and Topical Application of Drugs for Therapeutic Use (CRC 1112)	2013	www.sfb1112.de/en/Graduiertenkolleg
 Berlin	Freie Universität Berlin	Integrated Graduate School within: Protonation Dynamics in Protein Function (CRC 1078)	2012	www.sfb1078.de/igk2
 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
 Berlin	Freie Universität Berlin	Integrated Research Training Group within: Scaffolding of Membranes: Molecular Mechanisms and Cellular Functions (CRC 958)	2011	www.sfb958.de/graduiertenkolleg
 Cologne	Universität zu Köln	Integrated Research Training Group "mito-RTG" within: Mitochondrial Regulation of Cellular Function (CRC 1218)	2016	http://sfb1218.uni-koeln.de/20938.html
 Cologne	Universität zu Köln	Integrated Research Training Group within: Molecular Mechanisms Regulating Skin Homeostasis (CRC 829)	2008	www.sfb829.uni-koeln.de/integrated-research-training-group-molecular-mechanisms-regulating-skin-homeostasis
 Cologne	Universität zu Köln	Integrated Research Training Group within: Cell-autonomous Immunity (CRC 670)	2006	http://sfb670.uk-koeln.de/individual_projects/central-project-z5

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
■ Düsseldorf	Heinrich-Heine Universität Düsseldorf	Integrated Graduate School "MB Train" within: Identity and Dynamics of Membrane Systems - From Molecules to Cellular Functions (CRC 1208)	2015	www.sfb1208.hhu.de
■ Düsseldorf	Heinrich-Heine Universität Düsseldorf	Integrated Research Training Group within: Master Switches in Cardiac Ischemia (CRC 1116)	2014	www.sfb1116.hhu.de
■ Düsseldorf	Heinrich-Heine-Universität Düsseldorf	Integrated Research Training Group within: Liver Damage and Regeneration (CRC 974)	2011	www.uniklinik-duesseldorf.de/unternehmen/kliniken/klinik-fuer-gastroenterologie-hepatologie-und-infektiologie/sfb-974/graduiertenkolleg-974 (DE)
■ Essen	Universität Duisburg-Essen	Integrated Graduate School within: Supramolecular Chemistry on Proteins (CRC 1093)	2013	www.uni-due.de/crc1093/en/graduate-school
■ Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Integrated Research Training Group within: Checkpoints for Resolution of Inflammation (CRC 1181)	2015	www.sfb1181.forschung.fau.eu/integrated-research-training-group-2
■ Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Integrated Research Training Group "Erlangen School of Molecular Communication" within: Reprogramming of Host Cells by Microbial Effectors (CRC 796)	2008	www.sfb796-gk.forschung.uni-erlangen.de
■ Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Group within: Molecular and Functional Characterization of Selective Autophagy (CRC 1177)	2015	www.sfb1177.de/education.html
■ Frankfurt/Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Group within: Signalling by Fatty Acid Derivatives and Sphingolipids in Health and Disease (CRC 1039)	2013	www.lipidsignalling.de/en/kolleg

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
■ Frankfurt/ Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Group within: Molecular Principles of RNA-based Regulation (CRC 902)	2011	www.sfb902.de/ integrated-research- training-group
■ Frankfurt/ Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Unit "Vascular Biology and Medicine" within: Endothelial Signalling and Vascular Repair (CRC 834)	2009	www.sfb834.de/ SFBEN/Graduate
■ Frankfurt/ Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Group within: Redox- Regulation: Generatorsystems and Functional Consequences (CRC 815)	2008	www.redox-sfb. de/english/ graduiertenkolleg/ graduiertenkolleg. php
■ Frankfurt/ Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Integrated Research Training Group TRAM (TRansport Across Membranes) within: Transport and Communication Across Biological Membranes (CRC 807)	2008	www.sfb807.de/ mgk.html
■ Freiburg	Albert-Ludwigs- Universität Freiburg	Integrated Research Training Group within: Medical Epigenetics (MEDEP) From Basic Mechanisms to Clinical Applications (CRC 992)	2012	www.sfb992.uni- freiburg.de/irtg
■ Freiburg	Albert-Ludwigs- Universität Freiburg	Integrated Research Training Group within: Cell Motility in Morphogenesis, Cancer Invasion and Metastasis (CRC 850)	2009	www.sfb850. uni-freiburg.de/ en/education/irtg- graduate-school
■ Hamburg	Universität Hamburg	Integrated Research Training Group within: Immune- Mediated Glomerular Diseases - Basic Concepts and Clinical Implications (CRC 1192)	2015	www.sfb1192.de/ research-training- group
■ Hamburg	Universität Hamburg	Integrated Research Training Group within: Liver Inflammation: Infection, Immune Regulation and Consequences (CRC 841)	2009	http://sfb841. de/deutsch/ graduiertenkolleg/ beschreibung.html (DE)

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Jena	Friedrich-Schiller-Universität Jena	Integrated Research Training Group within: AquaDiva: Understanding the Links between Surface and Subsurface Biogeosphere (CRC 1076)	2013	www.aquadiva.uni-jena.de/Graduate+school.html
Kiel	Christian-Albrechts-Universität zu Kiel	Integrated Research Training Group Proteolysis and Pathophysiology within: Proteolysis as a Regulatory Event in Pathophysiology (CRC 877)	2010	www.uni-kiel.de/Biochemie/sfb877/irtg
Leipzig	Universität Leipzig	Integrated Research Training Group within: Obesity Mechanisms (CRC 1052)	2012	www.sfb1052.de/index.php/en/irtg-obesity-mechanisms
Magdeburg	Otto-von-Guericke-Universität Magdeburg	Integrated Research Training Group within: Molecular Organization of Cellular Communication in the Immune System (CRC 854)	2013	www.sfb854.de/en/MGK854.html
Mainz	Johannes-Gutenberg Universität Mainz	Graduate School within: Molecular and Cellular Mechanisms of Neural Homeostasis (CRC 1080)	2012	http://crc1080.com/graduate-school
Marburg	Philipps-Universität Marburg	Graduate School within: Microbial Diversity in Environmental Signal Response (CRC 987)	2012	www.sfb987.de/index.php/homepage/graduate-school.html
Munich	Ludwig-Maximilians-Universität München	Integrated Research Training Group within: Genetic and Epigenetic Evolution of Hematopoietic Neoplasms (CRC 1243)	2015	www.sfb1243.biologie.uni-muenchen.de/graduate-program
Munich	Ludwig-Maximilians-Universität München	Integrated Research Training Group within: Atherosclerosis: Mechanisms and Networks of Novel Therapeutic Targets (CRC 1123)	2014	www.sfb1123.med.uni-muenchen.de
Munich	Ludwig-Maximilians-Universität München	Integrated Research Training Group within: Chromatin Dynamics (CRC 1064)	2013	www.sfb1064.med.uni-muenchen.de/irtg
Munich	Ludwig-Maximilians-Universität München	Graduate Program within: Control and Plasticity of Cell-Fate Decisions in the Immune System (CRC 1054)	2012	www.sfb1054.med.uni-muenchen.de/graduate_program

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Munich	Ludwig-Maximilians-Universität München	Graduate Program within: Trafficking of Immune Cells in Inflammation, Development and Disease (CRC 914)	2011	www.sfb914.med.uni-muenchen.de/graduate_program
Osnabrück	Universität Osnabrück	Integrated Research Training Group within: Physiology and Dynamics of Cellular Microcompartments (CRC 944)	2010	www.biologie.uni-osnabrueck.de/sonderforschungsbereich/sfb_944_home/irtg.html
Tübingen	Eberhard Karls Universität Tübingen	Integrated Research Training Group within: Immunotherapy: Molecular Basis and Clinical Application (CRC 685)	2005	www.sfb685.de/index.php?id=155
Regensburg	Universität Regensburg	Graduate Research Academy RNA Biology within: Ribosome Formation: Principles of RNP Biogenesis and Control of their Function (CRC 960)	2011	http://graduate-academy.sfb960.de

INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES/ TRANSREGIOS

Berlin	Charité – Universitätsmedizin Berlin	Integrated Research Training Group "B Cells and Beyond" within: B Cells: Immunity and Autoimmunity (TRR 130)	2013	www.trr130.forschung.uni-erlangen.de/index.php/en/research-training-group.html
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg			
Freiburg	Albert-Ludwigs-Universität Freiburg			
Berlin	Charité – Universitätsmedizin Berlin	Graduate College within: Principles and Applications of Adoptive T Cell Therapy (TRR 36)	2006	www.sfb-tr36.com
Munich	Ludwig-Maximilians-Universität München Technische Universität München			

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Braunschweig Oldenburg	Technische Universität Braunschweig Carl von Ossietzky Universität Oldenburg	Integrated Research Training Group "Von der Mikrobiellen Ökologie zur Systembiologie" 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)	2009	www.roseobacter.de/structuredphdprogramme
Dresden Leipzig	Technische Universität Dresden Universität Leipzig	Integrated Research Training Group "Matrixengineering" within: Functional Biomaterials for Controlling Healing Processes in Bone and Skin - From Material Science to Clinical Application (TRR 67)	2009	http://research.uni-leipzig.de/trr67
Frankfurt/ Main Heidelberg	Johann Wolfgang Goethe-Universität Frankfurt am Main Ruprecht-Karls-Universität Heidelberg	Integrated Research Training Group "Vascular Cell Biology" within: Vascular Differentiation and Remodeling (TRR 23)	2009	www.transregio23.de/Projects/graduates.html
Freiburg Heidelberg Munich	Albert-Ludwigs-Universität Freiburg Ruprecht-Karls-Universität Heidelberg Ludwig-Maximilians-Universität München Technische Universität München	Integrated Research Training Group within: Determinants and Dynamics of Elimination versus Persistence of Hepatitis Virus Infection (TRR 179)	2016	http://gepris.dfg.de/gepris/projekt/272983813
Gießen Marburg Rotterdam (Netherlands)	Justus-Liebig-Universität Gießen Philipps-Universität Marburg Erasmus University Rotterdam Medical Center	Integrated Research Training Group „Epigenetics and Chromatin“ within: Chromatin Changes in Differentiation and Malignancies (TRR 81)	2010	www.uni-giessen.de/cms/fbz/fb08/trr81/irtg



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
○ Teltow (Berlin)	Helmholtz Graduate School for Macromolecular Bioscience	http://macrobio.hzg.de
○ Braunschweig	The Helmholtz Graduate School for Infection Research (HZI Graduate School)	www.helmholtz-hzi.de/en/career/graduate_school
○ Hamburg	Partnership for Innovation, Education and Research Helmholtz Graduate School (PIER)	http://graduateschool.pier-campus.de/
○ Heidelberg	Helmholtz International Graduate School for Cancer Research	www.dkfz.de/en/phd-program
○ Karlsruhe	BiolInterfaces International Graduate School (BIF-IGS)	www.bif-igs.kit.edu
○ Munich	Helmholtz Graduate School Environmental Health - HELENA	www.helmholtz-helena.de
LEIBNIZ GRADUATE SCHOOLS		
○ Berlin	Leibniz Graduate School for Molecular Biophysics (FMP)	www.fmp-berlin.de
○ Berlin	Leibniz Graduate School for Rheumatology (LGRh)	www.drfz.de/drdfz-im-profil/lehre-und-ausbildung/lgrh
○ Gatersleben	Leibniz Graduate School for Yield Formation in Cereals	www.ipk-gatersleben.de/ipk-graduate-program/leibniz-graduiertenschule
○ Hamburg	Leibniz Graduate School at the Leibniz Centre Infection (LCI) - (BNITM HPI, FZB)	www.lci-infection.de/lci-graduate-school.html
○ Jena	Leibniz Graduate School on Ageing and Age-Related Diseases (LGSA)	www.flie-leibniz.de/phd
○ Jena	International Leibniz Research School for Microbial and Biomolecular Interactions	www.ilrs.hki-jena.de
INTERNATIONAL MAX PLANCK RESEARCH SCHOOLS (IMPRS)		
○ Bad Nauheim	IMPRS for Heart and Lung Research	http://imprs.mpi-hlr.de
○ Berlin	IMPRS for Computational Biology and Scientific Computing	www.molgen.mpg.de/IMPRS
○ Berlin	IMPRS for Infectious Diseases and Immunology	www.mpiib-berlin.mpg.de/graduate_program
○ Cologne	IMPRS AGE	www.ageing-grad-school.de
○ Cologne	IMPRS on Understanding Complex Plant Traits Using Computational and Evolutionary Approaches	www.mipipz.mpg.de/imprs

GRADUATE TRAINING

Location	Title	Contact
● Dortmund	IMPRS for Chemical Biology	www.imprs-cmb.mpg.de
● 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
● Frankfurt/ Main	IMPRS on Structure and Function of Biological Membranes	www.biophys.mpg.de/de/imprs.html
● Freiburg	IMPRS for Molecular and Cellular Biology	www.ie-freiburg.mpg.de/IMPRS-PhD-Program
● Göttingen	IMPRS for Molecular Biology	www.gpmolbio.uni-goettingen.de
● Jena	IMPRS Exploration of Ecological Interactions with Molecular and Chemical Techniques	http://imprs.ice.mpg.de/ext
● Marburg	IMPRS for Environmental, Cellular and Molecular Microbiology	www.imprs-microbiology.mpg.de
● Martinsried (Munich)	IMPRS for Molecular and Cellular Life Sciences	www.imprs-ls.de
● Münster	IMPRS - Molecular Biomedicine <i>in Cooperation with the Integrated Graduate Program of the Cluster of Excellence Cells in Motion (CiM)</i>	www.imprs-mbm-cedad.mpg.de
● Potsdam - Golm	IMPRS "Primary Metabolism and Plant Growth"	www.mpimp-golm.mpg.de/IMPRS-PhD
● Tübingen	IMPRS From Molecules to Organisms	www.imprs.tuebingen.mpg.de



SOCIETIES AND ASSOCIATIONS

IN GERMANY

Association for General and Applied Microbiology (VAAM): www.vaam.de (DE)

German Bunsen Society for Physical Chemistry (DBG): www.bunsen.de

German Catalysis Society (GeCatS): www.gecats.de

German Chemical Society (GDCh): www.gdch.de

German Society for Hygiene and Microbiology (DGHM): www.dghm.org

German Society for Parasitology (DGP): www.dgparasitologie.de (DE)

IVAM Microtechnology Network (IVAM): www.ivam.de

Society for Biochemistry and Molecular Biology (GBM): www.gbm-online.de/gbm.html

Society for Chemical Engineering and Biotechnology (DECHEMA): www.dechema.de

The Colloid Society: www.kolloid-gesellschaft.de

Verband der Chemischen Industrie e.V. (VCI): www.vci.de

OPEN POSITIONS

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

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

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

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

Max Planck Society: www.mpg.de/jobboard

FURTHER INFORMATION

RESEARCH INSTITUTIONS, PROJECTS, FUNDING, CONTACTS

Research in
Germany

Land of Ideas

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



 **GEPRIS**
Research projects funded by DFG

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>



 **Research Explorer**
The German research directory

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>



 **DFG**

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



 **HRK**

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*)



 **HIGHER EDUCATION COMPASS**

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/higher-education-compass





Contact

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