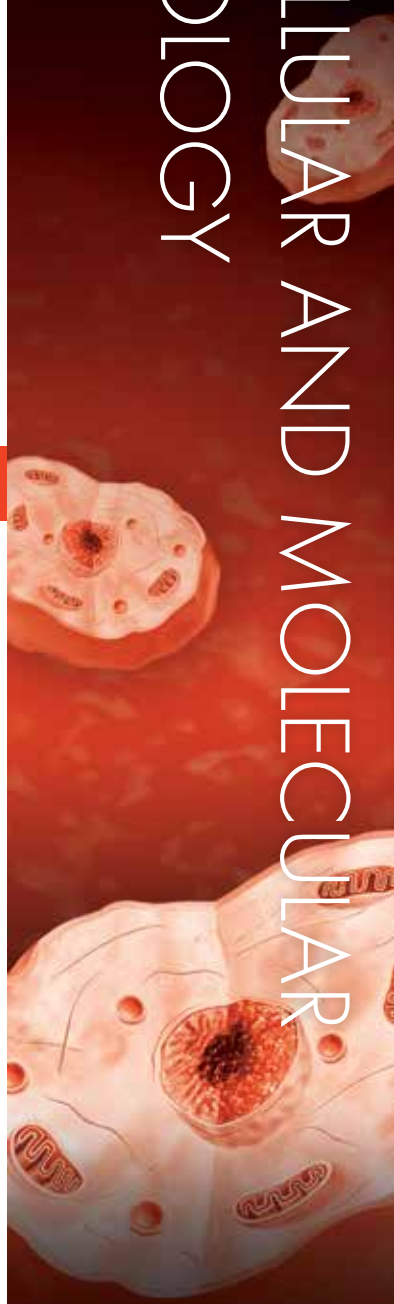




Research in Germany

CELLULAR AND MOLECULAR BIOLOGY



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Research in
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PREFACE

This brochure provides a first insight into 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.

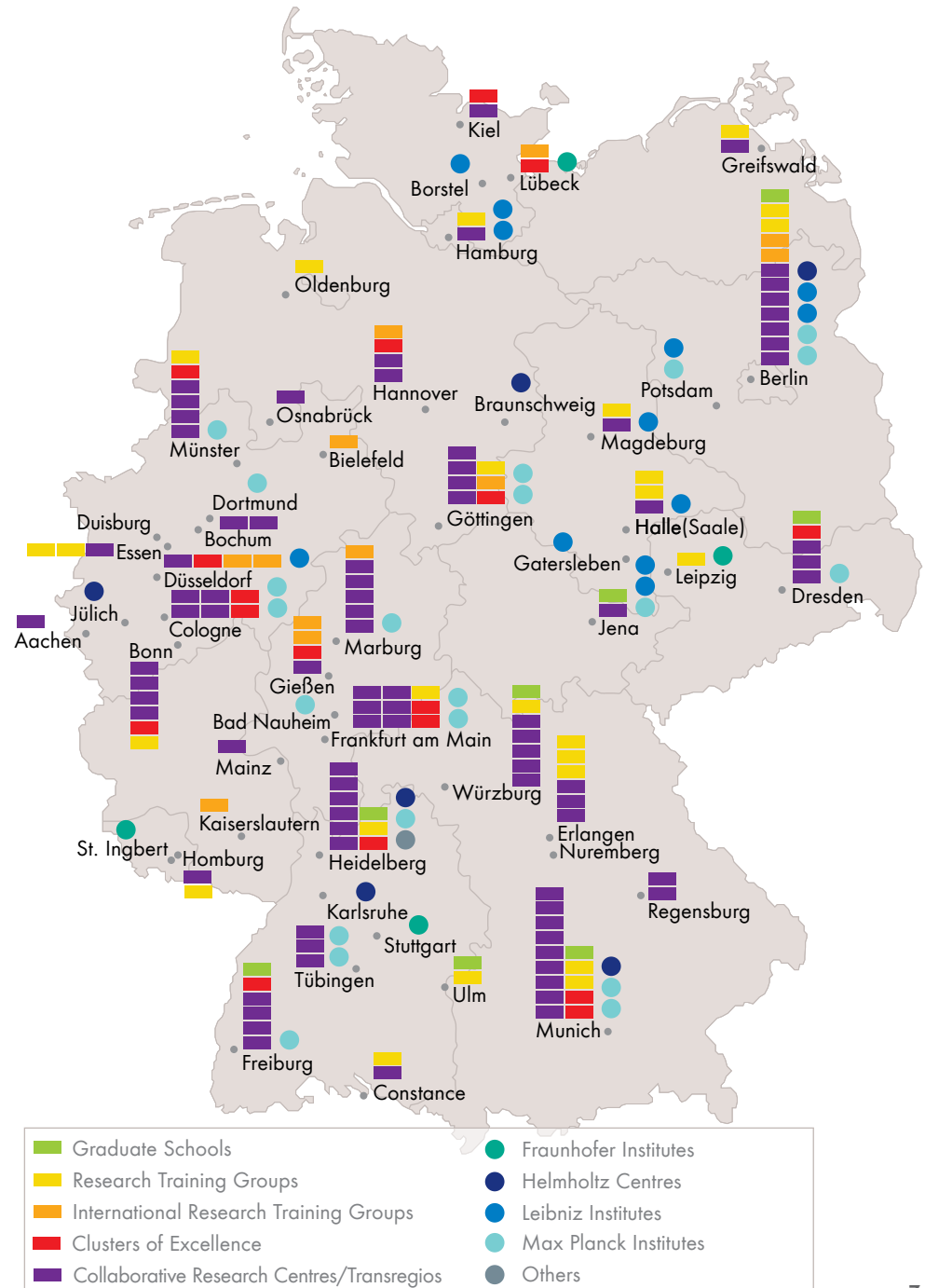
This brochure is intended to give an initial overview. The following map and tables highlight research consortia and graduate training programmes - funded by the German Research Foundation (DFG) - with a main focus on cellular and molecular biology. Medical and clinical research centres are not included. In addition, non-university research institutions with contributions in cellular and molecular biology are also represented.

The DFG further 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 information on all current DFG-funded research projects (in the online database GEPRI) as well as 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.

OVERVIEW



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. 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.

Location	Institution	Title	Funded Since	Contact
CLUSTERS OF EXCELLENCE				
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	ImmunoSensation: the Immune Sensory System (EXC 1023)	2012	www.immunosensation.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 am Main Gießen	Johann Wolfgang Goethe-Universität Frankfurt am Main Justus-Liebig-Universität Gießen	Cardiopulmonary System (ECCPS) (EXC 147)	2006	www.eccps.de
 Frankfurt am 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

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	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)	2007	www.sfb740.de/en
 Berlin	Charité – Universitätsmedizin Berlin	Developmental Disturbances in the Nervous System (CRC 665)	2005	www.charite.de/sfb665
 Berlin	Charité – Universitätsmedizin Berlin	Cellular Approaches for the Suppression of Unwanted Immune Reactions – From Bench to Bedside (CRC 650)	2004	www.sfb650.charite.de/en
 Bochum	Ruhr-Universität Bochum	GTP- and ATP- dependent Membrane Processes (CRC 642)	2004	www.sfb642.rub.de
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Molecular Mechanisms and Chemical Modulation of Local Immune Regulation (CRC 704)	2006	www.sfb704.uni-bonn.de
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Regulation and Manipulation of Information Flow within Dynamic Protein and Lipid Environments (CRC 645)	2004	www.sfb645.uni-bonn.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
 Cologne	Universität zu Köln	Molecular Mechanisms Regulating Skin Homeostasis (CRC 829)	2009	www.sfb829.uni-koeln.de
 Cologne	Universität zu Köln	Cell-autonomous Immunity (CRC 670)	2006	http://sfb670.uni-koeln.de
 Cologne	Universität zu Köln	Molecular Basis of Evolutionary Innovations (CRC 680)	2006	www.sfb680.uni-koeln.de
 Cologne	Universität zu Köln	Posttranslational Control of Protein Function (CRC 635)	2003	www.sfb635.uni-koeln.de
 Constance	Universität Konstanz	Chemical and Biological Principles of Cellular Proteostasis (CRC 969)	2012	www.sfb969.uni-konstanz.de
 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	Liver Damage and Regeneration (CRC 974)	2012	www.uniklinik-duesseldorf.de/sfb-974 (DE)
 Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Reprogramming of Host Cells by Microbial Effectors (CRC 796)	2009	www.sfb796.forschung.uni-erlangen.de
 Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Strategies of Cellular Immune Intervention (CRC 643)	2004	www.sfb643.uk-erlangen.de
 Frankfurt am Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Signalling by Fatty Acid Derivatives and Sphingolipids in Health and Disease (CRC 1039)	2013	tba
 Frankfurt am Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Molecular Principles of RNA-based Regulation (CRC 902)	2011	www.sfb902.de
 Frankfurt am Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Endothelial Signalling and Vascular Repair (CRC 834)	2010	www.sfb834.de
 Frankfurt am Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Redox-Regulation: Generatorsystems and Functional Consequences (CRC 815)	2009	www.redox-sfb.de/english
 Frankfurt am 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	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)	2010	www.sfb850.uni-freiburg.de/en
Freiburg	Albert-Ludwigs-Universität Freiburg	Functional Specificity by Coupling and Modification of Proteins (CRC 746)	2007	www.sfb746.uni-freiburg.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)	2011	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)	2009	www.uni-goettingen.de/en/213080.html
Halle (Saale)	Martin-Luther-Universität Halle-Wittenberg	Molecular Mechanisms of Information Processing in Plants (CRC 648)	2005	www.sfb648.uni-halle.de
Hamburg	Universität Hamburg	Liver Inflammation: Infection, Immune Regulation and Consequences (CRC 841)	2010	http://sfb841.de
Hannover	Medizinische Hochschule Hannover	Chronic Infections: Microbial Persistence and its Control (CRC 900)	2010	www.mh-hannover.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Cellular Surveillance and Damage Response (CRC 1036)	2012	www.zmbh.uni-heidelberg.de/sfb1036
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Environment Specific Control of Immunological Reactivity (CRC 938)	2011	www.klinikum.uni-heidelberg.de/SFB-938.124566.0.html
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Maintenance and Differentiation of Stem Cells in Development and Disease (CRC 873)	2010	www.sfb873.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Dynamics of Macromolecular Complexes in Biosynthetic Transport (CRC 638)	2004	http://bzh.db-engine.de
Homburg	Universität des Saarlandes	Ca ²⁺ Signals: Molecular Mechanisms und Integrative Functions (CRC 894)	2011	http://sfb894.uni-saarland.de/en
Kiel	Christian-Albrechts-Universität Kiel	Proteolysis as a Regulatory Event in Pathophysiology (CRC 877)	2010	www.uni-kiel.de/Biochemie/sfb877
Magdeburg	Otto-von-Guericke-Universität Magdeburg	Molecular Organisation of Cellular Communication in the Immune System (CRC 854)	2010	www.sfb854.de
Mainz	Johannes-Gutenberg-Universität Mainz	Molecular and Cellular Mechanisms of Neural Homeostasis (CRC 1080)	2013	http://crc1080.com
Marburg	Philipps-Universität Marburg	RNA Viruses: RNA Metabolism, Host Response and Pathogenesis (CRC 1021)	2013	www.uni-marburg.de/sfb1021
Marburg	Philipps-Universität Marburg	Microbial Diversity in Environmental Signal Response (CRC 987)	2012	www.sfb987.de
Marburg	Philipps-Universität Marburg	Mechanisms of Cellular Compartmentation and the Relevance for Disease (CRC 593)	2003	www.uni-marburg.de/sfb593
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
Münster	Westfälische-Wilhelms-Universität Münster	Molecular Cell Dynamics: Intracellular and Cellular Migration (CRC 629)	2003	http://campus.uni-muenster.de/sfb629.html
Munich	Ludwig-Maximilians-Universität München	Chromatin Dynamics (CRC 1064)	2013	www.molekularbiologie.abi.med.uni-muenchen.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Munich	Ludwig-Maximilians-Universität München	Control and Plasticity of Cell-Fate Decisions in the Immune System (CRC 1054)	2013	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	Ludwig-Maximilians-Universität München	Regulatory Networks in Genome Expression and Maintenance (CRC 646)	2005	www.genzentrum.lmu.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)	2010	www.sfb863.de
Munich	Technische Universität München	Imaging for Selection, Monitoring and Individualization of Cancer Therapies (CRC 824)	2009	www.sfb824.de/en
Osnabrück	Universität Osnabrück	Physiology and Dynamics of Cellular Microcompartments (CRC 944)	2011	www.biologie.uni-osnabrueck.de/forschung
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)	2006	http://www.sfb699.uni-regensburg.de (DE)
Tübingen	Eberhard Karls Universität Tübingen	Molecular Encoding of Specificity in Plant Processes (CRC 1101)	2014	tba
Tübingen	Eberhard Karls Universität Tübingen	The Bacterial Cell Envelope: Structure, Function and Infection Interface (CRC 766)	2007	www.sfb766.uni-tuebingen.de
Würzburg	Julius-Maximilians-Universität Würzburg	Insect Timing: Mechanisms, Plasticity and Interactions (CRC 1047)	2013	www.sfb1047.uni-wuerzburg.de/en
Würzburg	Julius-Maximilians-Universität Würzburg	Mechanisms and Imaging of Cell-Cell-Interactions in the Cardiovascular System (CRC 688)	2006	www.sfb688.uni-wuerzburg.de/en

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
COLLABORATIVE RESEARCH CENTRES/TRANSREGIOS				
Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	Organ Fibrosis: From Mechanisms of Injury to Modulation of Disease (TRR 57)	2009	www.sfbtrr57.rwth-aachen.de
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn			
Berlin	Charité – Universitätsmedizin Berlin	B Cells: Immunity and Autoimmunity (TRR 130)	2013	tba
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg			
Freiburg	Albert-Ludwigs-Universität Freiburg			
Bochum Essen	Ruhr-Universität Bochum Universität Duisburg-Essen	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
Shanghai (P.R. China)	Fudan University			
Wuhan (P.R. China)	Huazhong University of Science and Technology			
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Molecular Architecture and Cellular Functions of Lipid/Protein Assemblies (TRR 83)	2010	www.trr83.de
Dresden	Technische Universität Dresden			
Heidelberg	Ruprecht-Karls-Universität Heidelberg			
Dresden Hannover	Technische Universität Dresden Medizinische Hochschule Hannover	Biology of Xenogeneic Cell and Organ Transplantation – From Bench to Bedside (TRR 127)	2012	www.klinikum.uni-muenchen.de/SFB-TRR-127
Munich	Ludwig-Maximilians-Universität München Technische Universität München			

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Frankfurt am Main Heidelberg	Johann Wolfgang Goethe-Universität Frankfurt am Main Ruprecht-Karls-Universität Heidelberg	Vascular Differentiation and Remodeling (TRR 23)	2005	www.transregio23.de
Gießen Marburg Rotterdam (Netherlands)	Justus-Liebig-Universität Gießen Philipps-Universität Marburg Erasmus University Rotterdam Medical Center	Chromatin Changes in Differentiation and Malignancies (TRR 81)	2010	www.uni-giessen.de/cms/fbz/fb08/trr81
Greifswald Münster Tübingen Würzburg	Ernst-Moritz-Arndt Universität Greifswald Westfälische Wilhelms-Universität Münster Eberhard Karls Universität Tübingen Julius-Maximilians-Universität Würzburg	Pathophysiology of Staphylococci in the Post-Genome-Era (TRR 34)	2006	http://t3p-sfb34.rz.uni-greifswald.de
Jena Würzburg	Friedrich-Schiller-Universität Jena Julius-Maximilians-Universität Würzburg	Pathogenic Fungi and their Human Host: Networks of Interaction – FungiNet – (TRR 124)	2013	www.jsmc.uni-jena.de/network/funginet
Marburg Würzburg	Philipps-Universität Marburg Julius-Maximilians-Universität Würzburg	Ras-dependent Pathways in Human Cancer (TRR 17)	2004	www.imt.uni-marburg.de/tr17



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.

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
GRADUATE SCHOOLS				
 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
 Heidelberg	Ruprecht-Karls-Universität Heidelberg	The Hartmut Hoffmann-Berling International Graduate School of Molecular and Cellular Biology Heidelberg (HBIGS) (GSC 249)	2007	www.hbig.uni-heidelberg.de
 Jena	Friedrich-Schiller-Universität Jena	Jena School for Microbial Communication (JSMC) (GSC 214)	2007	www.jsmc.uni-jena.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.html
 Würzburg	Julius-Maximilians-Universität Würzburg	Graduate School for Life Sciences (GSLs) (GSC 106)	2006	www.graduateschools.uni-wuerzburg.de
RESEARCH TRAINING GROUPS				
 Berlin	Charité – Universitätsmedizin Berlin	Cellular Mechanisms of Learning and Memory Consolidation in the Hippocampal Formation (RTG 1123)	2005	www.charite.de/GRK1123
 Berlin	Humboldt-Universität zu Berlin	Genetic and Immunologic Determinants of Pathogen-Host-Interactions (RTG 1121)	2005	www.zibi-graduateschool-berlin.de
 Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Pharmacology of 7TM-Receptors and Downstream Signaling Pathways (RTG 1873)	2012	www.grk1873.uni-bonn.de

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Constance	Universität Konstanz	Cell-based Characterization of Disease Mechanisms in Tissue Destruction and Repair (RTG 1331)	2006	http://cms.uni-konstanz.de/rtg1331
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Dynamic Interactions at Biological Membranes – From Single Molecules to Tissue (RTG 1962)	2014	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	Viruses of the Immune System (RTG 1071)	2005	http://grk1071.uni-erlangen.de
Essen	Universität Duisburg-Essen	Immune Response in Infectious Diseases – Regulation Between Innate and Adaptive Immunity (RTG 1949)	2014	tba
Essen	Universität Duisburg-Essen	Transcription, Chromatin Structure and DNA Repair in Development and Differentiation (RTG 1431)	2006	www.uni-due.de/grk1431
Frankfurt am Main	Johann Wolfgang Goethe-Universität Frankfurt am Main	Research, Development and Safety of Biologicals (RTG 1172)	2005	www.grk-1172.de/english
Göttingen	Georg-August-Universität Göttingen	The Impact of Inherited Polymorphisms in Oncology: From Basic Science to Clinical Application (RTG 1034)	2005	www.gcpg.de (DE)
Greifswald	Ernst-Moritz-Arndt Universität Greifswald	Bacterial Respiratory Infections – Common and Specific Mechanisms of Pathogen Adaptation and Immune Defense (RTG 1870)	2014	tba
Halle (Saale)	Martin-Luther-Universität Halle-Wittenberg	Posttranscriptional Control of Gene Expression: Mechanisms and Role in Pathogenesis (RTG 1591)	2010	www.intmeet.grk1591.de
Halle (Saale)	Martin-Luther-Universität Halle-Wittenberg	Conformational Transitions in Macromolecular Interactions (RTG 1026)	2005	www.biochemtech.uni-halle.de/grk1026

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Hamburg	Universität Hamburg	Sorting and Interactions Between Proteins of Subcellular Compartments (RTG 1459)	2008	www.grk1459.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Quantitative Analysis of Dynamic Processes in Membrane Transport and Translocation (RTG 1188)	2005	http://bzh.db-engine.de
Homburg	Universität des Saarlandes	Calcium-signaling and Cellular Nanodomains (RTG 1326)	2006	www.uks.eu/en/research/gk-1326-calcium
Leipzig	Universität Leipzig	Interdisciplinary Approaches in Cellular Neurosciences (InterNeuro) (RTG 1097)	2005	www.uni-leipzig.de/~ineuro
Magdeburg	Otto-von-Guericke-Universität Magdeburg	Cell-Cell-Communication in Neural and Immune Systems: Topological Organisation of Signal Transduction (RTG 1167)	2005	www.med.uni-magdeburg.de/grk1167/Home.html
Münster	Westfälische Wilhelms-Universität Münster	Molecular Interactions of Pathogens with Biotic and Abiotic Surfaces (RTG 1409)	2006	http://zambe.uni-muenster.de/GRK1409
Munich	Ludwig-Maximilians-Universität München	Integrated Analysis of Macromolecular Complexes and Hybrid Methods in Genome Biology (RTG 1721)	2012	www.grk1721.genzentrum.lmu.de
Munich	Ludwig-Maximilians-Universität München	Oligonucleotides in Cell Biology and Therapy (RTG 1202)	2005	www.gkoligo.de
Oldenburg	Carl von Ossietzky Universität Oldenburg	Molecular Basis of Sensory Biology (RTG 1885)	2012	www.uni-oldenburg.de/en/sensorybio
Ulm	Universität Ulm	Cellular and Molecular Mechanisms in Aging (CEMMA) (RTG 1789)	2013	www.uni-ulm.de/med/med-cemma.html
Würzburg	Julius-Maximilians-Universität Würzburg	Molecular and Functional Analysis of Lipid-based Signal Transduction Systems (RTG 1342)	2007	www.gk-1342.uni-wuerzburg.de

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
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)	2013	http://wiki.techfak.uni-bielefeld.de/didy
■ Berlin Paris	Charité – Universitätsmedizin Berlin Université Pierre-et- Marie-Curie UPMC	International Research Training Group for Myology (IRTG 1631)	2010	www.myograd.org
■ Berlin Hyderabad (India)	Freie Universität Berlin University of Hyderabad	Functional Molecular Infection Epidemiology (IRTG 1673)	2010	www.vetmed.fu-berlin.de/en/einrichtungen/sonstige
■ Düsseldorf Charlottes- ville (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)	2013	www.uni-giessen.de/cms/research/junior-researchers/Institutions3rdParties
■ Gießen Marburg Moscow (Russian Federation)	Justus-Liebig- Universität Gießen Philipps-Universität Marburg Lomonosov Moscow State University	Enzymes and Multienzyme Complexes Acting on Nucleic Acids (IRTG 1384)	2006	www.uni-giessen.de/cms/research/junior-researchers/Institutions3rdParties
■ 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

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
■ Hannover Stockholm (Sweden)	Medizinische Hochschule Hannover Karolinska Institutet	Strategies of Human Pathogens to Establish Acute and Chronic Infections (IRTG 1273)	2006	www.mh-hannover.de/4587.html
■ Kaiserslautern Edmonton (Canada)	Technische Universität Kaiserslautern University of Alberta	Complex Membrane Proteins in Cellular Development and Disease (IRTG 1830)	2012	www.irtg1830.com
■ Lübeck Cincinnati (USA)	Universität zu Lübeck University of Cincinnati	Immune Regulation of Inflammation in Allergy and Infection (IRTG 1911)	2013	www.irtg1911.uni-luebeck.de

RESEARCH AT NON-UNIVERSITY RESEARCH INSTITUTIONS

Fraunhofer Society is one of the world's leading organisations for applied research with an annual research budget of 1.9 billion euros, 66 institutes and more than 22,000 employees. Fraunhofer's R&D portfolio covers a wide range of fields, including health, security, communications, transport, energy and the environment. www.fraunhofer.de

The Helmholtz Association contributes to solving major challenges facing society, science and industry with world-level research in six areas: energy, earth and environment, health, key technologies, structure of matter and aeronautics, space and transport. With more than 34,000 employees in 18 research centres and an annual budget of approximately 3.76 billion euros, the Helmholtz Association is Germany's largest scientific organisation. www.helmholtz.de

The Leibniz Association is an umbrella organisation of 86 research institutes. The annual budget amounts to 1.4 billion euros. Some 7,700 researchers – more than 1,100 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.wgl.de

The Max Planck Society for the Advancement of Science is one of Germany's largest independent non-profit research organisations. A combined total of more than 10,000 researchers, postdoctoral/junior researchers and visiting researchers at 80 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

RESEARCH AT NON-UNIVERSITY RESEARCH INSTITUTIONS

Location	Institution	Contact
FRAUNHOFER INSTITUTES		
● 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
● St. Ingbert	Fraunhofer Institute for Biomedical Engineering (IBMT)	www.ibmt.fraunhofer.de
● Stuttgart	Fraunhofer Institute for Interfacial Engineering and Biotechnology (IGB)	www.igb.fraunhofer.de
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
● 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	http://www.helmholtz-muenchen.de
LEIBNIZ INSTITUTES		
● Berlin	German Rheumatism Research Centre (DRFZ)	www.drfg.de
● Berlin	Leibniz-Institute for Molecular Pharmacology (FMP)	www.fmp-berlin.de
● Borstel	Leibniz Center for Medicine and Biosciences (FZB)	www.fz-borstel.de
● Düsseldorf	German Diabetes Center (DDZ)	http://ddz.uni-duesseldorf.de/en
● Gatersleben	Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)	www.ipk-gatersleben.de/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
● 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

Location	Institution	Contact
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.mpipz.mpg.de
● Dortmund	Max Planck Institute of Molecular Physiology	www.mpi-dortmund.mpg.de
● Dresden	Max Planck Institute of Molecular Cellbiology and Genetics	www.mpi-cbg.de
● Frankfurt am Main	Max Planck Institute of Biophysics	www.biophys.mpg.de
● Frankfurt am 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.mpiibpc.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
● Münster	Max Planck Institute for Molecular Biomedicine	www.mpi-muenster.mpg.de
● Munich-Martinsried	Max Planck Institute of Biochemistry	www.biochem.mpg.de
● Munich-Martinsried	Max Planck Institute of Neurobiology	www.neuro.mpg.de
● 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



SOCIETIES AND ASSOCIATIONS IN GERMANY:

Deutsche Gesellschaft für Biophysik e.V. (DGfB): www.dgfb.org

German Genetics Society: www.gfgenetik.com

German Society for Cell Biology (DGZ): www.zellbiologie.de/en

German Society for Cytometry (DGfZ): www.dgfz.org

German Society for Immunology (DGfI): www.dgfi.org

Gesellschaft für Entwicklungsbiologie e.V. (GfE): <http://gfe.uni-muenster.de>

Signal Transduction Society: www.sigtrans.de

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

Society of Virology: www.g-f-v.org (partly in English)

Verband Deutscher Biologen: www.vdbiol.de (DE)

OPEN POSITIONS:

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

EURAXESS – Researchers in Motion: www.ec.europa.eu/euraxess/jobs

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

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

Leibniz Society: www.leibniz-gemeinschaft.de/karriere (DE)

Max Planck Society: www.mpg.de/jobboard

GERMAN UNIVERSITIES & RESEARCH INSTITUTIONS

INDIVIDUAL PROJECTS, PROGRAMMES, PROFILES, CONTACTS



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>



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: Information about 329 main areas that define the interdisciplinary research priorities at 74 German universities. www.hrk.de/6754.php



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





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