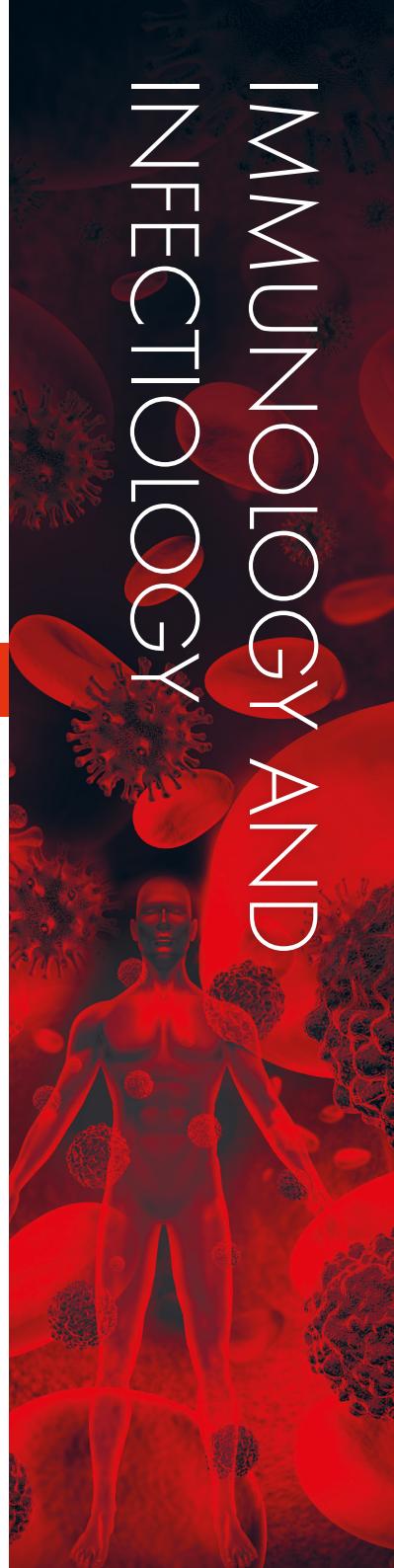




Research in Germany



AN INITIATIVE OF THE



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Research in
Germany

Land of Ideas



Research in Germany

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IMMUNOLOGY AND INFECTIOLOGY

PREFACE

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

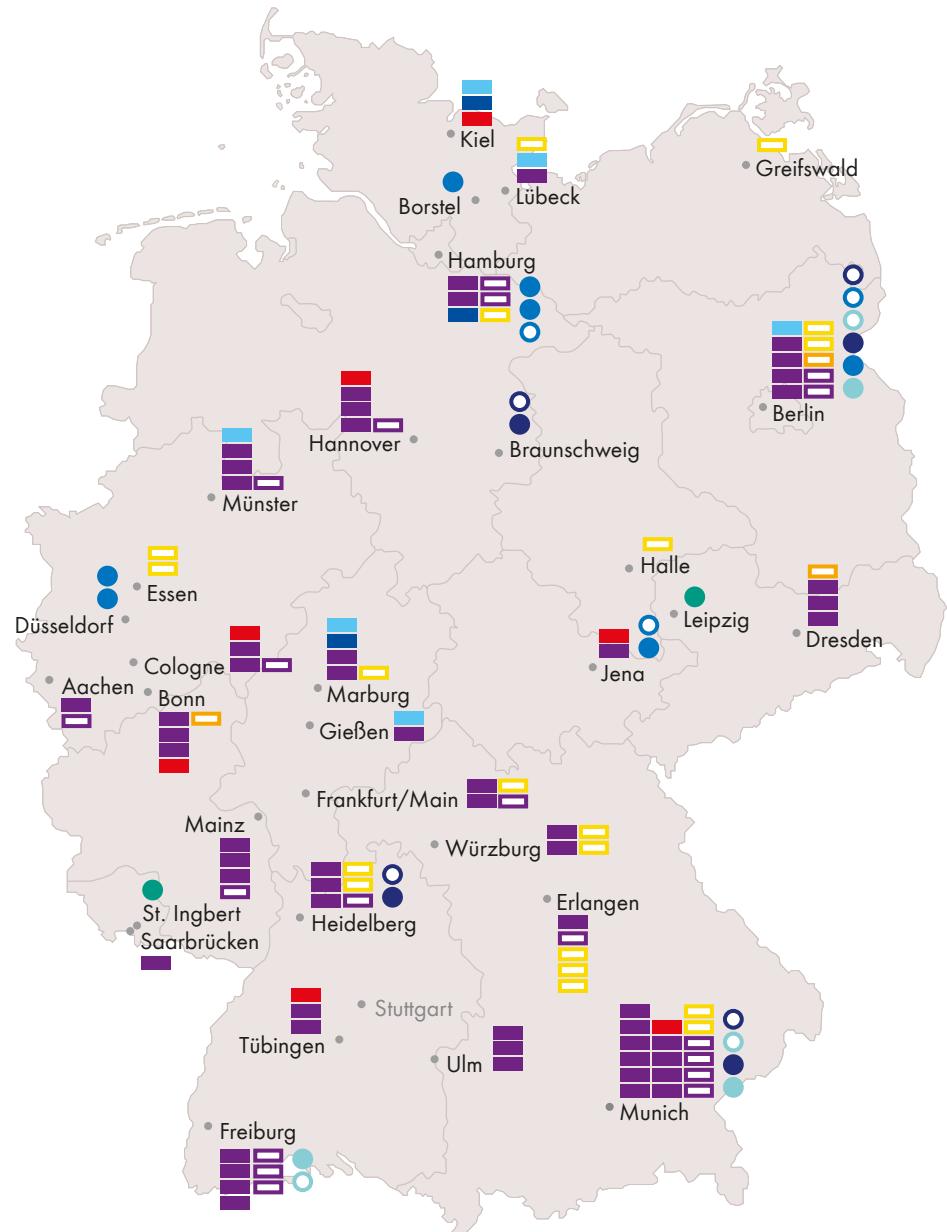
Molecular, cellular and clinical immunology and infectiology research in Germany is primarily conducted at universities but also at non-university research institutions. Almost all universities and many universities of applied sciences host a molecular, cellular and clinical immunology and infectiology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

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

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 molecular, cellular and clinical immunology and infectiology. 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 molecular, cellular and clinical immunology and infectiology and profiles of German universities and research institutions.

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

OVERVIEW



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

DFG-funded Priority Programmes and several Research Units are not shown on the map since they are not necessarily located at a single location; they are listed on pages 19 and 15.
The map shows the headquarters of the non-university research institutions.

CENTRES OF RESEARCH

- FUNDED BY DFG -

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

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

Transregios (TRR) are Collaborative Research Centres in which up to three universities collaborate with each other and submit a joint application. The contributions of the cooperative partners are essential, complementary and 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	ImmunoSensation2: The Immune Sensory System (EXC 2151)	2019	www.immuno-sensation.de
Cologne	Universität zu Köln	Cellular Stress Responses in Aging-Associated Diseases (EXC 2030)	2019	www.cecad.uni-koeln.de
Hannover	Medizinische Hochschule Hannover	RESIST – Resolving Infection Susceptibility (EXC 2155)	2019	www.rebirth-hannover.de
Jena	Friedrich-Schiller-Universität Jena	Balance of the Microverse (EXC 2051)	2019	www.microverse-cluster.de/en
Kiel	Christian-Albrechts-Universität zu Kiel	Precision Medicine in Chronic Inflammation (EXC 2167)	2019	https://precisionmedicine.de
Munich	Ludwig-Maximilians-Universität München Technische Universität München	Munich Cluster for Systems Neurology (SyNergy) (EXC 2145)	2019	www.synergy-munich.de/index.html
Tübingen	Eberhard Karls Universität Tübingen	Controlling Microbes to Fight Infections (EXC 2124)	2019	https://uni-tuebingen.de/en/research/core-research/cluster-of-excellence-cmf/
COLLABORATIVE RESEARCH CENTRES				
Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	Gut-Liver Axis – Functional Circuits and Therapeutic Targets (CRC 1382)	2019	www.crc1382.org/
Berlin	Humboldt-Universität zu Berlin	FONDA – Foundations of Workflows for Large-Scale Scientific Data Analysis (CRC 1404)	2020	https://fonda.hu-berlin.de/
Berlin	Charité – Universitätsmedizin Berlin Humboldt-Universität zu Berlin	Directed Cellular Self-Organisation for Advancing Bone Regeneration (CRC 1444)	2020	https://bone-regeneration.charite.de/en/
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Metaflammation and Cellular Programming (CRC 1454)	2020	https://gepris.dfg.de/gepris/projekt/432325352
Cologne	Universität zu Köln	Cell Death in Immunity, Inflammation and Disease (CRC 1403)	2020	https://sfb1403.uni-koeln.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Cologne	Universität zu Köln	Elucidation and Targeting of Pathogenic Mechanisms in B Cell Malignancies (CRC 1530)	2021	https://gepris.dfg.de/gepris/projekt/455784452
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Checkpoints for Resolution of Inflammation (CRC 1181)	2015	www.sfb1181.forschung.fau.eu/
Frankfurt/Main	Goethe-Universität Frankfurt am Main	Signalling by Fatty Acid Derivatives and Sphingolipids in Health and Disease (CRC 1039)	2013	www.lipidsignalling.de/en/home
Freiburg	Albert-Ludwigs-Universität Freiburg	Immune-Mediated Pathology as a Consequence of Impaired Immune Reactions (CRC 1160)	2015	www.sfb1160.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg	Oncogene-Driven Immune Escape (OncoEscape) (CRC 1479)	2021	www.sfb1479.uni-freiburg.de
Hamburg	Universität Hamburg	Adenine Nucleotides in Immunity and Inflammation (CRC 1328)	2018	www.sfb1328.de/
Hamburg	Universität Hamburg	Immune-Mediated Glomerular Diseases – Basic Concepts and Clinical Implications (CRC 1192)	2015	www.sfb1192.de
Hannover	Medizinische Hochschule Hannover	Chronic Infections: Microbial Persistence and its Control (CRC 900)	2010	www.sfb900.de/en
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Integrative Analysis of Pathogen – Replication and Spread (CRC 1129)	2014	www.sfb1129.de
Lübeck	Universität zu Lübeck	Pathomechanisms of Antibody-mediated Autoimmunity (PANTAU): Insights from Pemphigoid Diseases (CRC 1526)	2021	www.sfb1526.uni-luebeck.de
Mainz	Johannes Gutenberg-Universität Mainz	Targeting Convergent Mechanisms of Inefficient Immunity in Tumors and Chronic Infection (CRC 1292)	2017	https://crc1292.uni-mainz.de
Marburg	Philipps-Universität Marburg	RNA Viruses: RNA Metabolism, Host Response and Pathogenesis (CRC 1021)	2012	www.sfb1021.de

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Münster	Westfälische Wilhelms-Universität Münster	Breaking Barriers – Immune Cells and Pathogens at Cell/Matrix Barriers (CRC 1009)	2012	www.medizin.uni-muenster.de/en/sfb-1009
Münster	Westfälische Wilhelms-Universität Münster	Multiscale Imaging of Organ-Specific Inflammation (CRC 1450)	2020	www.uni-muenster.de/CRC-inSight/
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.de
Munich	Technische Universität München	Microbiome Signatures – Functional Relevance in the Digestive Tract (CRC 1371)	2019	www.sfb1371.tum.de/
Munich	Technische Universität München	Aberrant Immune Signals in Cancer (CRC 1335)	2018	www.sfb1335.med.tum.de/en
Saarbrücken	Universität des Saarlandes	Ca2+ Signals: Molecular Mechanisms and Integrative Functions (CRC 894)	2010	https://sfb894.uni-saarland.de/en/
Ulm	Universität Ulm	Aging at Interfaces (CRC 1506)	2021	www.uni-ulm.de/einrichtungen/sfb-1506-aging-at-interfaces
Ulm	Universität Ulm	Exploiting the Human Peptidome for Novel Antimicrobial and Anticancer Agents (CRC 1279)	2017	www.uni-ulm.de/en/med/crc-1279/
Ulm	Universität Ulm	Danger Response, Disturbance Factors and Regenerative Potential after Acute Trauma (CRC 1149)	2014	www.uni-ulm.de/en/einrichtungen/crc-1149

COLLABORATIVE RESEARCH CENTRES/TRANSREGIOS

Berlin	Charité – Universitätsmedizin Berlin	Development, Function and Potential of Myeloid Cells in the Central Nervous System (NeuroMac) (TRR 167)	2016	www.sfb-trr167.uni-freiburg.de
Freiburg	Albert-Ludwigs-Universität Freiburg			

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
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			
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Nucleic Acid Immunity (TRR 237)	2018	www.trr237.uni-bonn.de/en
Dresden	Technische Universität Dresden			
Munich	Ludwig-Maximilians-Universität München			
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Cellular Mechanisms of Antibiotic Action and Production (TRR 261)	2019	https://trr261.de/
Tübingen	Eberhard Karls Universität Tübingen			
Dresden	Technische Universität Dresden	Biology of Xenogeneic Cell and Organ Transplantation – From Bench to Bedside (TRR 127)	2012	www.klinikum.uni-muenchen.de/SFB-TRR-127
Hannover	Medizinische Hochschule Hannover			
Munich	Ludwig-Maximilians-Universität München			
Dresden	Technische Universität Dresden	The Adrenal: Central Relay in Health and Disease (TRR 205)	2017	https://sfbtrr205.webspace.tu-dresden.de
Munich	Ludwig-Maximilians-Universität München			
Frankfurt/Main	Goethe-Universität Frankfurt am Main	Initiating/Effecter versus Regulatory Mechanisms in Multiple Sclerosis – Progress towards Tackling the Disease (TRR 128)	2012	www.sfbtr128.de
Mainz	Johannes Gutenberg-Universität Mainz			
Münster	Wesfälische Wilhelms-Universität Münster			
Munich	Ludwig-Maximilians-Universität München			
	Technische Universität München			

CENTRES OF RESEARCH

Location	Institution	Title	Funded Since	Contact
Freiburg	Albert-Ludwigs-Universität Freiburg	Determinants and Dynamics of Elimination versus Persistence of Hepatitis Virus Infection (TRR 179)	2016	www.trr179.de/en
Heidelberg	Ruprecht-Karls-Universität Heidelberg			
Munich	Ludwig-Maximilians-Universität München			
Technische Universität München				
Hannover	Medizinische Hochschule Hannover	Safety Integrated and Infection Reactive Implants (TRR 298)	2021	https://gepris.dfg.de/gepris/projekt/426335750
	Gottfried Wilhelm Leibniz Universität Hannover			
Heidelberg	Ruprecht-Karls-Universität Heidelberg			
Mainz	Johannes Gutenberg-Universität Mainz	The Skin as a Sensor and Effector Organ Orchestrating Local and Systemic Immune Responses (TRR 156)	2015	www.klinikum.uni-heidelberg.de/sfbs/sfb-trr156/welcome
Tübingen	Eberhard Karls Universität Tübingen			
Jena	Friedrich-Schiller-Universität Jena			
Würzburg	Julius-Maximilians-Universität Würzburg	Pathogenic Fungi and their Human Host: Networks of Interaction – FungiNet – (TRR 124)	2013	www.funginet.de
Munich	Ludwig-Maximilians-Universität München			
Würzburg	Technische Universität München			
	Julius-Maximilians-Universität Würzburg	LETSIMMUN – Lymphocyte Engineering for Therapeutic Synthetic Immunity (TRR 338)	2021	https://letsimmun.de



RESEARCH UNITS

-FUNDED BY DFG-

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

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



RESEARCH UNITS

Title	Funded Since	Contact
Translational Polytrauma Research to Provide Diagnostic and Therapeutic Tools for Improving Outcomes (FOR 5417)	2022	https://gepris.dfg.de/gepris/projekt/465409392
Disrupt – Evade – Exploit: Gene Expression and Host Response Programming in DNA Virus Infection (DEEP-DV) (FOR 5200)	2021	https://deep-dv.org/wp/
The Microbiome as a Therapeutic Target in Inflammatory Bowel Diseases (FOR 5042) Subprojects mainly located in: Kiel	2020	www.mitarget.org/
Sex Differences in Immunity (FOR 5068) Subprojects mainly located in: Hamburg	2020	www.uke.de/kliniken-institute/institute/immunologie/research-unit-5068/index.html
Advanced Concepts in Cellular Immune Control of Cytomegalovirus (FOR 2830)	2019	www.virologie.uni-wuerzburg.de/forschungsverbunde/for2830/home/
Receiving and Translating Signals via the Gamma-Delta T Cell Receptor (FOR 2799)	2018	https://for2799.de/
Tissue Type 2 Responses: Mechanisms of Induction and Regulation (FOR 2599)	2017	www.for2599.de
Pemphigus - From Pathogenesis to Therapeutics (Pegasus) (FOR 2497) Subprojects mainly located in: Marburg	2016	www.uni-marburg.de/en/fb20/pegasus

CLINICAL RESEARCH UNITS

-FUNDED BY DFG-

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

CLINICAL RESEARCH UNITS

Location	Institution	Title	Funded Since	Contact
Berlin	Charité - Universitätsmedizin Berlin	Food Allergy and Tolerance (Food@) (KFO 339)	2019	https://gepris.dfg.de/gepris/projekt/409525714
Gießen	Universitätsklinikum Gießen und Marburg	Virus-induced Lung Injury: Pathobiology and Novel Therapeutic Strategies (KFO 309)	2016	www.kfo309.de
Kiel	Universitätsklinikum Schleswig-Holstein	CATCH ALL Towards a Cure for Adults and Children with Acute Lymphoblastic Leukemia (ALL) (KFO 5010)	2021	https://gepris.dfg.de/gepris/projekt/444949889
Lübeck	Universitätsklinikum Schleswig-Holstein	Pemphigoid Diseases - Molecular Pathways and their Therapeutic Potential (KFO 303)	2015	www.kfo303.uni-luebeck.de
Marburg	Universitätsklinikum Gießen und Marburg	Clinical Relevance of Tumor-Microenvironment Interactions in Pancreatic Cancer (KFO 325)	2017	www.uni-marburg.de/fb20/zti/kfo325
Münster	Universitätsklinikum Münster	Organ Dysfunction During Systemic Inflammation (KFO 342)	2019	https://kfo342.de/en/



PRIORITY PROGRAMMES

- FUNDED BY DFG -

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

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

PRIORITY PROGRAMMES

Title	Funded Since	Contact
Physics of Parasitism (SPP 2332)	2021	www.uni-wuerzburg.de/ forschung/physics-of-parasitism/ start/
Exit Strategies of Intracellular Pathogens (SPP 2225)	2019	www.spp2225.rwth-aachen.de/ cms/~ccsvy/spp2225/lidx/1/
Innate Lymphoid Cells (SPP 1937)	2016	http://spp-innatelymphoidcells.de
Innate Sensing and Restriction of Retroviruses (SPP 1923)	2016	http://spp1923.de



NON-UNIVERSITY RESEARCH INSTITUTIONS

Fraunhofer Society is one of the world's leading organisations for applied research with an annual research budget of 2.8 billion euros, 74 institutes and more than 28,000 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 40,000 employees in 19 research centres and an annual budget of approximately 4.8 billion euros, the Helmholtz Association is Germany's largest scientific organisation. www.helmholtz.de

The Leibniz Association is an umbrella organisation of 95 research institutes. The annual budget amounts to 1.9 billion euros. Some 11,500 researchers – approximately 25% 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 1.86 billion euros for 2019. A combined total of 15,300 researchers, postdoctoral/junior researchers and visiting researchers at 86 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		
● Leipzig	Fraunhofer Institute for Cell Therapy and Immunology (IZI)	www.izi.fraunhofer.de/en
● St. Ingbert	Fraunhofer Institute for Biomedical Engineering (IBMT)	www.ibmt.fraunhofer.de/en.html
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/en
● Munich	Helmholtz Zentrum München - German Research Center for Environmental Health	www.helmholtz-muenchen.de/en
LEIBNIZ INSTITUTES		
● Berlin	German Rheumatism Research Centre (DRFZ)	www.drfz.de/en
● Borstel	Research Center Borstel - Leibniz Lung Center (FZB)	https://fz-borstel.de/index.php/de/
● Düsseldorf	German Diabetes Center (DDZ)	https://ddz.de/en/
● Düsseldorf	Leibniz Institute for Environmental Medicine (IUF)	https://iuf-duesseldorf.de/en/
● Hamburg	Bernhard-Nocht-Institute for Tropical Medicine (BNITM)	www.bnitm.de/en
● Hamburg	Leibniz Institute of Virology (LIV)	www.leibniz-liv.de/en
● Jena	Leibniz-Institute for Natural Product Research and Infection Biology (HKI)	www.hki-jena.de/en
MAX-PLANCK-INSTITUTES		
● Berlin	Max Planck Institute for Infection Biology	www.mpiib-berlin.mpg.de/2285/en
● Freiburg	Max Planck Institute of Immunobiology and Epigenetics	www.ie-freiburg.mpg.de/
● Martinsried (Munich)	Max Planck Institute of Biochemistry (MPIB)	www.biochem.mpg.de/en

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 Center for Infection Research (DZIF)	2011	www.dzif.de/en
German Cancer Consortium (DKTK)	2011	https://dktk.dkfz.de/en
The German Center for Lung Research (DZL)	2011	https://dzl.de/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 TRAINING

- FUNDED BY DFG -

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

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
RESEARCH TRAINING GROUPS				
Berlin	Freie Universität Berlin Humboldt-Universität zu Berlin	Tight Junctions and their Proteins: Molecular Features and Actions in Health and Disease (RTG 2318)	2017	https://klinphys.charite.de/grk/
Berlin	Freie Universität Berlin	Parasite Infections: From Experimental Models to Natural Systems (RTG 2046)	2014	www.vetmed.fu-berlin.de/en/einrichtungen/sonstige/grk2046
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
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Fine-Tuners of the Adaptive Immune Response (RTG 2599)	2020	www.lymphozyten.med.fau.de/
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Immunomicrotope: Microenvironmental, Metabolic and Microbial Signals Regulating Immune Cell-Pathogen Interactions (RTG 2740)	2020	www.immunomicrotope.de
Erlangen	Friedrich-Alexander-Universität Erlangen-Nürnberg	Novel Antiviral Approaches: from Small Molecules to Immune Intervention (RTG 2504)	2019	www.virologie.uk-erlangen.de/en/grk2504/
Frankfurt/Main	Goethe-Universität Frankfurt am Main	Resolution of Inflammation – Mediators, Signaling and Therapeutic Options (RTG 2336)	2017	www.grk-ave.de/
Greifswald	Universität Greifswald	Proteases in Pathogen and Host: Importance in Inflammation and Infection – RTG-PRO (RTG 2719)	2021	www.rtg2719-pro.de
Halle/Saale	Martin-Luther-Universität Halle-Wittenberg	Inflammatory Cues as Modulators of Early Pancreatic Carcinogenesis (InCuPanC) (RTG 2751)	2021	www.medizin.uni-halle.de/forschung/forschungsverbunde/grk-2751-incupanc

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Hamburg	Universität Hamburg	Humans and Microbes: Reorganisation of Cell Compartments and Molecular Complexes during Infection (RTG 2771)	2021	tba
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Hallmarks of Skin Cancer (RTG 2099)	2014	www.rtg2099.de
Heidelberg	Ruprecht-Karls-Universität Heidelberg	Innate Immune Checkpoints in Cancer and Tissue Damage (InCheck) (RTG 2727)	2021	www.umm.uni-heidelberg.de/grk2727
Lübeck	Universität zu Lübeck	Defining and Targeting Autoimmune Pre-Disease (RTG 2633)	2021	www.grk2633.uni-luebeck.de
Marburg	Philipps-Universität Marburg	The Inflammatory Tumor Secretome – From Understanding to Novel Therapies (RTG 2573)	2019	www.ccc-marburg.de/en/research/network-research-projects/grk-2573
Munich	Ludwig-Maximilians-Universität München	Targets in Toxicology – Deciphering Therapeutic Targets in Lung Toxicology (RTG 2338)	2017	www.grk2338.med.uni-muenchen.de/index.html
Munich	Technische Universität München	Immune Master Switches in Allergies and Autoimmune Diseases (RTG 2668)	2021	https://rtg2668.de/
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	Metabolism, Topology and Compartmentalization of Membrane Proximal Lipid and Signaling Components in Infection (RTG 2581)	2020	www.uni-wuerzburg.de/grk2581
INTERNATIONAL RESEARCH TRAINING GROUPS				
Berlin Canberra (Australien)	Humboldt-Universität zu Berlin The Australian National University	Crossing Boundaries: Molecular Interactions in Malaria (IRTG 2290)	2017	www.allianceberlincanberra.org

GRADUATE TRAINING

Location	Institution	Title	Funded Since	Contact
Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn	Myeloid Antigen Presenting Cells and the Induction of Adaptive Immunity (IRTG 2168)	2015	https://bonnmelb-phdprogram.com/
Melbourne (Australia)	The University of Melbourne			
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES				
Aachen	Rheinisch-Westfälische Technische Hochschule Aachen	Graduate School "Gut-Liver Axis" within: Gut-Liver Axis – Functional Circuits and Therapeutic Targets (CRC 1382)	2019	www.medizin.rwth-aachen.de/cms/Medizin/Die-Fakultaet/Foerderangebote/Strukturierte-Doktorandenausbildung/Biomedical-Graduate-School-Aachen/~cahpq/Segment-CRC-Graduiertenschule-Gut-Liver-Axis/lidx/1/
Berlin	Humboldt-Universität zu Berlin	Integrated Research Training Group within: FONDA – Foundations of Workflows for Large-Scale Scientific Data Analysis (CRC 1404)	2020	https://fonda.hu-berlin.de/?page_id=318
Cologne	Universität zu Köln	Integrated Research Training Group within: Cell Death in Immunity, Inflammation and Disease (CRC 1403)	2020	https://sfb1403.uni-koeln.de/cell-death-rtg-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/
Frankfurt/Main	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
Freiburg	Albert-Ludwigs-Universität Freiburg	Integrated Research Training Group within: Oncogene-Driven Immune Escape (OncoEscape) (CRC 1479)	2021	www.sfb1479.uni-freiburg.de/research/projects/integrated-research-training-group-irtg-for-oncogene-driven-immune-escape/
Hamburg	Universität Hamburg	Integrated Research Training Group within: Adenine Nucleotides in Immunity and Inflammation (CRC 1328)	2018	www.sfb1328.de/index.php?id=32
Hamburg	Universität Hamburg	Integrated Research Training Group "Mechanisms of Immune-Mediated Tissue Injury" within: Immune-Mediated Glomerular Diseases – Basic Concepts and Clinical Implications (CRC 1192)	2015	www.sfb1192.de/en/research-training-group
Mainz	Johannes Gutenberg-Universität Mainz	Integrated Research Training Group within: Targeting Convergent Mechanisms of Inefficient Immunity in Tumors and Chronic Infection (CRC 1292)	2017	https://crc1292.uni-mainz.de/irtg/
Münster	Westfälische Wilhelms-Universität Münster	Integrated Research Training Group "Multiscale Imaging" within: Multiscale Imaging of Organ-Specific Inflammation (CRC 1450)	2020	www.uni-muenster.de/CRC-inSight/careers/IRTG.html
Munich	Ludwig-Maximilians-Universität München	Graduate Program within: Control and Plasticity of Cell-Fate Decisions in the Immune System (CRC 1054)	2011	www.sfb1054.med.uni-muenchen.de/graduate_program_new/index.html
Munich	Ludwig-Maximilians-Universität München	Graduate Program "Leukocyte Trafficking" within: Trafficking of Immune Cells in Inflammation, Development and Disease (CRC 914)	2011	www.sfb914.med.uni-muenchen.de/graduate_program/index.html
Munich	Technische Universität München	Integrated Research Training Group within: Microbiome Signatures – Functional Relevance in the Digestive Tract (CRC 1371)	2019	www.sfb1371.tum.de/integrated-research-training-group/

Location	Institution	Title	Funded Since	Contact
INTEGRATED RESEARCH TRAINING GROUPS IN COLLABORATIVE RESEARCH CENTRES/ TRANSREGIOS				
Berlin	Charité – Universitätsmedizin Berlin	Integrated Graduate Programme "NeuroMac School" within: Development, Function and Potential of Myeloid Cells in the Central Nervous System (NeuroMac) (TRR 167)	2016	www.sfb-trr167.uni-freiburg.de/irtg-neuromac-school
Freiburg	Albert-Ludwigs-Universität Freiburg	Graduate School "Immunovirology" within: Determinants and Dynamics of Elimination versus Persistence of Hepatitis Virus Infection (TRR 179)	2016	www.trr179.de/en/graduate-school
Freiburg	Ruprecht-Karls-Universität Heidelberg	Medizinische Hochschule Hannover	2021	https://gepris.dfg.de/gepris/projekt/426335750
Heidelberg	Ludwig-Maximilians-Universität München	Gottfried Wilhelm Leibniz Universität Hannover		
Munich	Technische Universität München			
Hannover				



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	MDC Graduate School	www.mdc-berlin.de/content/graduate-school
○ Braunschweig	HZI International Graduate School for Infection Research (GS-FIRE)	www.helmholtz-hzi.de/en/career/graduate_school
○ Heidelberg	Helmholtz International Graduate School for Cancer Research	www.dkfz.de/en/phd-program/
○ Munich	Helmholtz Graduate School Environmental Health – HELENA	www.helmholtz-helena.de
LEIBNIZ GRADUATE SCHOOLS		
○ Berlin	Leibniz Graduate School for Rheumatology (LGRh)	www.drfz.de/en/karriere/nachwuchsfoerderung/graduiertenschule/
○ Hamburg	Leibniz Graduate School "Infections"	www.lci-infection.de/en/lci-graduate-school-en.html
○ Jena	International Leibniz Research School for Microbial and Biomolecular Interactions (ILRS)	www.ilrs.de
INTERNATIONAL MAX PLANCK RESEARCH SCHOOLS (IMPRS)		
○ Berlin	IMPRS for Infectious Diseases and Immunology	www.mpiib-berlin.mpg.de/graduate_program
○ Freiburg	IMPRS for Immunobiology, Epigenetics, and Metabolism	www.ie-freiburg.mpg.de/IMPRS-PhD-Program
○ Martinsried (Munich)	IMPRS for Molecular Life Sciences	https://imprs-ls.opencampus.net/

SOCIETIES AND ASSOCIATIONS

IN GERMANY

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

Deutsche Dermatologische Gesellschaft (DDG): <https://derma.de/> (DE)

Deutsche Gesellschaft für Allergologie und klinische Immunologie (DGAKI):
<https://dgaki.de/> (DE)

Deutsche Gesellschaft für Gastroenterologie, Verdauungs- und
Stoffwechselkrankheiten (DGVS): www.dgvs.de (DE)

Deutsche Gesellschaft für Hämatologie und Medizinische Onkologie (DGHO):
www.dgho.de (DE)

Deutsche Gesellschaft für Infektiologie (DGI): www.dgi-net.de (DE)

Deutsche Gesellschaft für Innere Medizin (DGIM): www.dgim.de (DE)

Deutsche Gesellschaft für Rheumatologie (DGRh): <https://dgrh.de> (DE)

German Cardiac Society (DGK): <https://dgk.org> (DE)

German Society for Immunology (DGfI): <https://dgfi.org/>

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

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

German Society of Pediatrics and Adolescent Medicine (DGKJ): www.dgkj.de

German Society for Tropical Medicine, Travel Medicine and Global Health (DTG):
<https://www.dtg.org/index.php/home/english.html>

Society of Virology (GfV): <https://g-f-v.org/en/>

OPEN POSITIONS

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

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

Helmholtz Association: www.helmholtz.de/en/career/job-vacancies/

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

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
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>



GERiT
German Research Institutions

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



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/study-in-germany





Contact

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