

GERMANY'S RESEARCH LANDSCAPE AND FUNDING OPPORTUNITIES FOR COOPERATION

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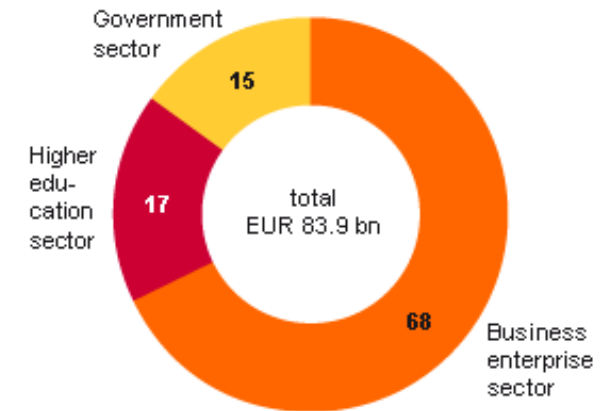
KYIV • German-Ukrainian Forum of Young Researchers • 9 December 2017

Germany's Research Funding Environment

More than 1000 public & publicly-funded research institutions, incl.:

- ✓ 400 higher education institutions
- ✓ > 250 institutes/ centres within **4 non-university research organizations**
- ✓ 40 federal research (e.g. Robert Koch Institute)
- ✓ 130 state (*Länder*) research institutes/ centres
- ✓ 605,000 staff in R&D, incl. 361,000 researchers

Research and development, 2014
Internal expenditure, by sector, %



© Statistisches Bundesamt, Wiesbaden 2016

Funding Organizations

- ✓ **Federal Ministry for Education and Research (BMBF):** core funding of institutes, targeted strategic initiatives, support of international collaboration
- ✓ **German Research Foundation (DFG):** national research funding agency (grants for projects and programmes)
- ✓ **German Academic Exchange Service (DAAD):** individual scholarships and programme grants to support internationalisation of German universities
- ✓ **Alexander von Humboldt Foundation:** individual scholarships & prizes (for PhD-level scientists), strong support of the alumni network
- ✓ **Foundations:** Volkswagen Stiftung, Robert Bosch Stiftung, Landesstiftung Baden-Württemberg, Bertelsmann-Stiftung, Fritz Thyssen Stiftung, BI Fonds, etc.

<http://www.stiftungen.org/en/association-of-german-foundations.html>



Bundesministerium
für Bildung
und Forschung

DFG



Alexander von Humboldt
Stiftung / Foundation

DAAD



Bundesverband
Deutscher Stiftungen

Higher Education Institutions

There are approximately **400** higher education institutions in Germany, including:

- ✓ **110 universities** (Universitäten) and
- ✓ **over 230 universities of applied sciences**
(Fachhochschulen/Hochschulen für angewandte Wissenschaften)
- ✓ **2.7 million** students, incl. 320,000 international students (ca **12%**)
- ✓ 662,000 staff in total, 370,000 academic staff (2013)

Core funding and legal framework is provided by the *Länder*

Excellence Initiative (since 2005) supported best concepts for the institutional strategies, clusters of excellence and graduate schools

<https://www.hrk.de/home/>
<http://www.hochschulkompass.de/en.html>



German Universities





U15



TU9



Non-University Research Organizations

	Budget, Billion €	Staff, in FTE, thousands	Units Centres/ Institutes
The Helmholtz Association Basic research in six strategic programs (science & technology)	4,3	34,4	18
			
The Max Planck Society Scientist-driven basic research (science & humanities)	1,87	15,5	84
			 MAX-PLANCK-GESELLSCHAFT
The Leibniz Association Interdisciplinary research of supra-regional importance (science & humanities, incl. in museums & libraries)	1,5	14,6	88
			 Leibniz-Gemeinschaft
The Fraunhofer-Gesellschaft Application-oriented research (science & humanities)	2,1	17,3	69
			 Fraunhofer

Source: GWK Monitoring Report 2016 Pact for Research and Innovation

*Employees according to hours (FTE) for 2015

Research Fields of the Helmholtz Association

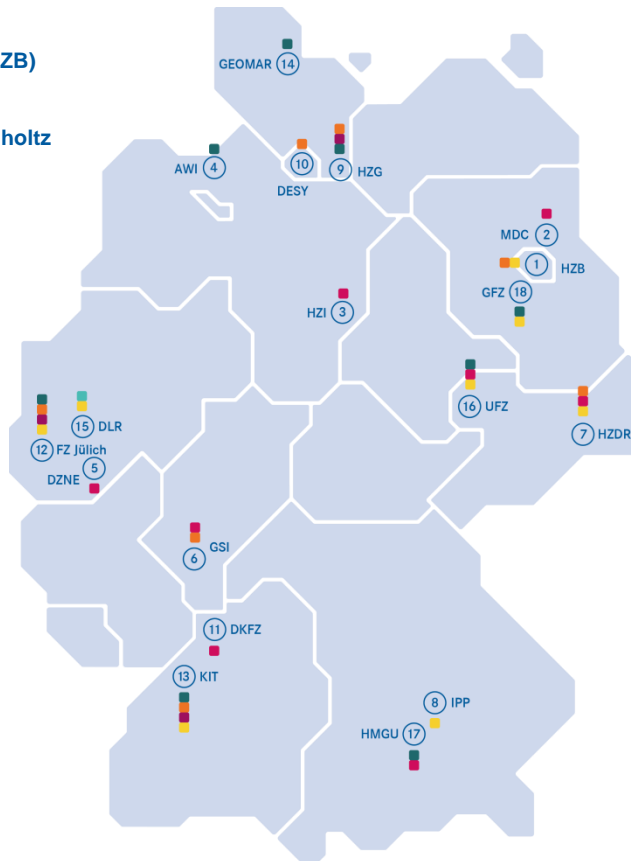


HELMHOLTZ

- ✓ Research infrastructures and large-scale equipment in Germany and abroad as focal points, e.g.
 - XFEL, FAIR, ITER, Neumayer Station...
 - Future Strategic Topic: "Information & Data Science"
- ✓ Funding programs in the Initiative and Networking Fund, e.g. **'International Labs'**

Helmholtz Research Centers

1. Berlin
Helmholtz-Zentrum Berlin für Materialien und Energie (HZB)
2. Berlin-Buch
Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC)
3. Braunschweig
Helmholtz Center for Infection Research (HZI)
4. Bremerhaven
Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung (AWI)
5. Bonn
German Center for Neurodegenerative Diseases (DZNE)
6. Darmstadt
GSI Helmholtz Center for Heavy Ion Research
7. Dresden
Helmholtz Center Dresden Rossendorf (HZDR)
8. Garching
Max Planck Institute for Plasma Physics (IPP) (Associate Member)
9. Geesthacht
**Helmholtz Center Geesthacht
Center for Material and Coastal Research (HZG)**
10. Hamburg
Deutsches Elektronen-Synchrotron DESY



Research Areas:

- | | |
|--|---|
| ■ Energy | ■ Aeronautics, Space and Transport |
| ■ Earth and Environment | ■ Matter |
| ■ Health | ■ Key Technologies |

11. Heidelberg
German Cancer Research Center (DKFZ)
12. Jülich
Forschungszentrum Jülich
13. Karlsruhe
Karlsruhe Institute of Technology (KIT)
14. Kiel
GEOMAR Helmholtz Center for Ocean Research Kiel
15. Cologne
German Aerospace Center (DLR)
16. Leipzig
Helmholtz Center for Environmental Research (UFZ)
17. Munich
**Helmholtz Center Munich –
German Research Center for Health and the Environment**
18. Potsdam
**Helmholtz Center Potsdam
German Research Center for Geosciences GFZ**

POSTDOCTORAL FELLOWSHIP PROGRAM

at Helmholtz Zentrum München



Next call for applications in autumn 2018

www.helmholtz-muenchen.de/fellows

Max Planck Society

Prof. Marina Rodnina

Physical Biochemistry, Göttingen

Leibniz Prize 2016

<https://www.mpibpc.mpg.de/rodnina>

Prof. Yury Grin

Chemical Metals Science, Dresden

www.cpfs.mpg.de/chemical_metals_science

Dr Halyna Shcherbata

Gene Expression and Signaling

Göttingen

<https://www.mpibpc.mpg.de/shcherbata>



- **DFG-SFFRU Cooperation:** Possibility for Joint German-Ukrainian Project Proposals in Physics and Mathematics
- **Initiation of International Collaboration:**
 - Funding is available for the following collaborative measures
 - Trips abroad (max. three months) or guest visits in Germany (max. 3 months)
 - Exploratory workshops

www.dfg.de/en/research_funding/programmes/international_cooperation/initiation_international_collaboration/
- **Grant for cooperation with developing countries:**

www.dfg.de/en/research_funding/programmes/international_cooperation/developing_countries/index.html
- **Scientific Networks:** consist of researchers, who, over a defined period of up to 3 years, may also include researchers based abroad and thus also promote international networking for early career researchers

www.dfg.de/en/research_funding/programmes/individual/scientific_networks/index.html



- **Research Fellowships** (2-years, 6-month return grants are also available):
www.dfg.de/en/research_funding/programmes/individual/research_fellowships/index.html
- **Own position (Eigene Stelle)**
http://www.dfg.de/formulare/52_02/
- **Emmy Noether Programme**
 - ✓ eligibility: < 4 years after a PhD (6 for medicine)
 - ✓ usually 5 years, maximum of 6 years



Contact:

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Leibniz-Gemeinschaft
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Section A (21)

Humanities and Educational
Research

Section B (16)

Economics, Social and Spatial
Sciences

Section C (23)

Life Sciences

Section D (22)

Mathematics, Natural Sciences
and Engineering

Section E (9)

Environmental Research



Leibniz cooperation with Central and Eastern Europe, incl. CIS countries

Leibniz gathers the strongest regional expertise on CEE and (former) CIS in German non-university research:

- ***Thematically:*** strong research area studies and research with a focus on the region
- ***Structurally:*** strong collaboration in all fields of research (from humanities, over life sciences, to engineering), often for decades
- ***Leibniz Networking Fund Eastern Europe:*** allows institutes to invite researchers from the region for short-term stays, e.g. to develop new joint projects and initiate collaboration
- ***Interdisciplinary clusters:*** Leibniz Science Campus 'Eastern Europe – Global Area'

Interdisciplinary research cluster in East Germany (Leipzig – Halle – Jena)

Established 2016, 8 partner institutes

www.leibniz-eeга.de

- Leibniz Institute for Regional Geography (IFL), Leipzig (Coordination)
- Leibniz Institute for Ag Dev in Transition Economies (IAMO), Halle
- Leibniz Institute for the History and Culture (GWZO), Leipzig
- Institute of Geography (IfG), Friedrich-Schiller University Jena
- Alexander Brückner Center for Polish Studies (ABZ), Halle
- Center of Area Studies (CAS), Leipzig University
- Fraunhofer Center for International Management and Knowledge Economy (IMW), Leipzig
- Max Planck Institute for Social Anthropology (MPI), Halle

Interdisciplinary research cluster in East Germany (Leipzig – Halle – Jena)

Five research areas/ foci:

- Mobilities and migration Regimes in Eastern Europe
- Self-Positioning of Eastern Europe in a New World Order In-The-Making
- Business strategies and political economies
- Cultural and intellectual perspectives and identities
- Eastern Europe in Times of Europeanisation

Promotion funds/ programmes (e.g.)

- Mid-term stay for guest scholars (4 weeks – 4 months)
- Organisation of workshops and conferences

Center for Eastern European and International Studies

- Stability and Change of Political Regimes
- The Dynamics of Conflict
- Migration and Transnationalism

<http://en.zois-berlin.de/about-us/>

Navigating Germany's Research

The Research Explorer – the research directory of the DFG and of the DAAD – has been established in cooperation with the German Rectors' Conference (HRK). It contains over 23,000 institutes at German universities and non-university research institutions, **searchable by geographic location, subject and other structural criteria.**



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Germany

Land of Ideas

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Landscape

Jobs &
Careers

Research
Funding

Living in
Germany

Campaigns &
Activities

Infoservice

<http://www.research-in-germany.org/en>

Post-doc Fellowships

- **Short-Term Fellowships:** e.g. EMBO, FEBS, Travelling Fellowships of the Company of Biologists, Boehringer Ingelheim Fonds Travel Grants, Stiftung Charité (Berlin): BIH Short-term Fellowships
- **DAAD:** Long-Term (1-Year Grants) and Short-Term (up to 6-month) Research Grants; Leibniz-DAAD Research Fellowships (for 1 year)
- **AvH:** Humboldt and Georg Forster Research Fellowships (up to 2 years) and Fellowships for Experienced Researchers (6-18 months, can be split)
- **Gerda Henkel Foundation:** Research Scholarships (Historical Humanities)
- **Volkswagen Foundation:** 'Freigeist' Fellowships
- **EU Marie Skłodowska Curie Fellowships**

Other Post-doc Fellowship Schemes

- Leibniz-DAAD-Research Fellowships:
 - ✓ 15 fellowships each year
 - ✓ 1 year funding
 - ✓ Soft skills training
 - ✓ Annual 'Leibniz-Kolleg for Young Researchers'
 - ✓ Next deadline for applications: **March 2018**, www.daad.de/leibniz
- European Molecular Biology Organization (EMBO) post-doc fellowships:
 - ✓ for 2 years, for those with less than 2 years after a PhD; at least 1 first-author paper
 - ✓ 2 deadlines in February and August

<http://www.embo.org/funding-awards/fellowships/long-term-fellowships>
- Human Frontiers Science Program (HFSP) post-doc fellowships:
 - ✓ for 3 years
 - ✓ deadline in August

<http://www.hfsp.org/funding/postdoctoral-fellowships>

Some Databases & Useful Resources

- Art of grantsmanship: <http://www.hfsp.org/funding/art-grantsmanship>
- Making the right moves. A practical guide to scientific management for post-docs and new faculty. Writing a Letter of Recommendation/ Guidance for writing letters of recommendation pertaining to scholarly work. HHMI.
www.hhmi.org/labmanagement
- Fellowship primer: <http://www.hfsp.org/funding/fellowship-resources>
- <https://www.daad.de/deutschland/stipendium/datenbank/en/21148-finding-scholarships/>
- <http://scholarship-positions.com/>
- <http://www.scholarshipportal.com>
- <http://www.e-fellows.net/extranet/stipendien-datenbank>

Finding Scholarships

Here you can find information on various kinds of DAAD funding for foreign students, graduates and postdocs as well as on funding offered by other selected organisations.

Refine your selection

35 Scholarship options for your selection