

Webinar: The German Research Landscape & Funding Opportunities



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Federal Ministry of Education and Research

Alexander von Humboldt Stiftung/Foundation







Today's Presenters

DFG



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Research in Germany Cand of Ideas



- The German Research Landscape
- DFG Funding Opportunities
- AvH Funding Opportunities
- DAAD Funding Opportunities
- Q&A





DAAD

Research in Germany Land of Ideas



- ✓ Can you share these slides with us?
- ✓ Is this recorded to view later?
- ✓ Will we be able to contact the presenters afterwards?







GoToWebinar Tool

- All lines are muted please submit questions by typing.
- Functions:

(a) Grab tab (arrow = hide panel, window = full screen)

- (b) Audio pane*
- (c) Attendee list (hidden)
- (d) Questions pane
- (type question & click send)
- (e) Chat

*Audio trouble? Switch between Use Mic & Speakers and use Telephone. Check audio settings on your computer.





Facts I Structures I Financing Research in Germany









- Almost 1,000 publicly funded research institutions
- Research expenditures: 84 bn euros = 2.88% GDP
- 604,000 people in the R&D sector

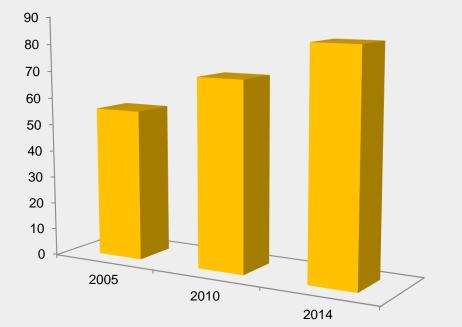


Bilateral, European and multilateral cooperation with more than 151 countries



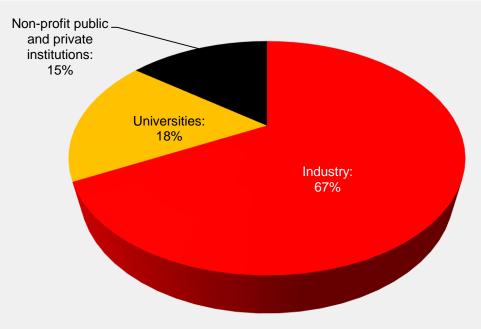


+ 50% for R&D in Germany



Total research expenditures in Germany (in bn euros) Source: Federal Statistical Office





Research expenditures by sector in 2014 (%) Source: Federal Statistical Office



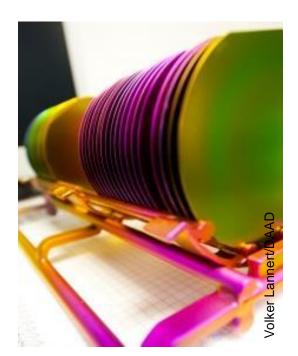
Universities (HEIs)



Non-university research institutes



Industrial research





search			Industrial Research Associations (AiF)	Companies/ Industrial Research	
applied research	Länder Institutions	Fraunhofer- Gesellschaft	Networks and Cluster		out
	Universities Helmholt Associati	z on		• • • • • • • • • • • • • • • • • • • •	10/Lay אים 1 אים הם
basic research	Federal Institutions	Leibniz Association			© VDI Technologiezentrum GmbH 2010/Layout adantation: Frankfurter Societäts-Median GmbH
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	Academies				echnold
	Research Infrastructures				© VDI Tech adantation:
	public funding		private fu		

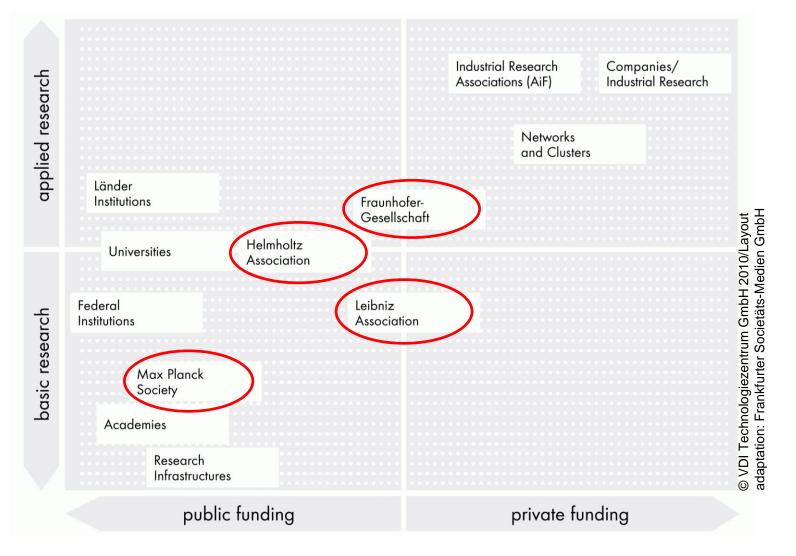


- Approx. 400 HEIs 148 authorised to confer doctorates
- Almost 26,000 international doctoral candidates
- Principle of uniting learning, instruction and research
- Excellence Initiative = 4.6 bn euros for cutting-edge research





Non-university research (I)





Institution	Institutes	Budget	Researchers
Max Planck Society	83 institutes	2.2 bn euros	13,300
Helmholtz Association	18 research centres	4.24 bn euros	14,700
Fraunhofer- Gesellschaft	67 institutes	2.1 bn euros	24,000 (staff in total)
Leibniz Association	89 institutes	1.73 bn euros	9,300

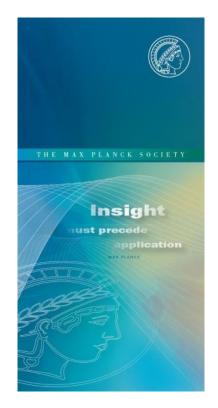


Research for the future



MAX-PLANCK-GESELLSCHAFT

- Basic research in the natural sciences, life sciences, social sciences and the humanities
- Innovative research fields which are especially demanding in terms of funding or time requirements
- Person-centered research organisation
- 18 Nobel laureates





Science for the benefit and good of humanity



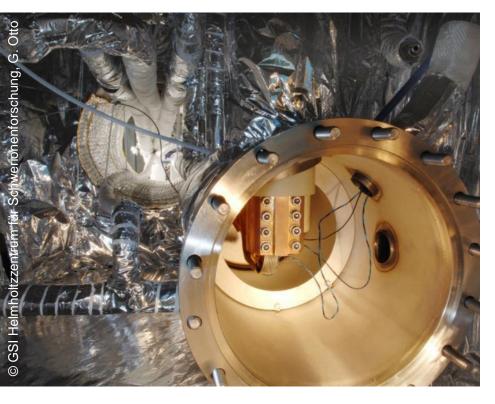


- Natural, engineering and environmental sciences, economics, spatial and social sciences and humanities
- Knowledge transfer to policymakers, academia, business and the public
- Scientific infrastructure, research-based services
- Archives, museums, national libraries





with sustainable research



- Energy, earth and environment, health, key technologies, structure of matter, aeronautics, space and transport
- Research infrastructures
- Basic research with a focus on potential applications
- Applied research

Research in Germany Land of Ideas



Research dedicated to the future



- Integration of scientific findings into useful innovations for industry and society
- Health, security, communication, mobility, energy and environment
- Contract research for industry and government (70%)



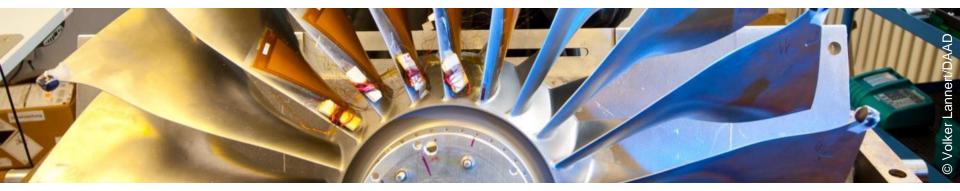


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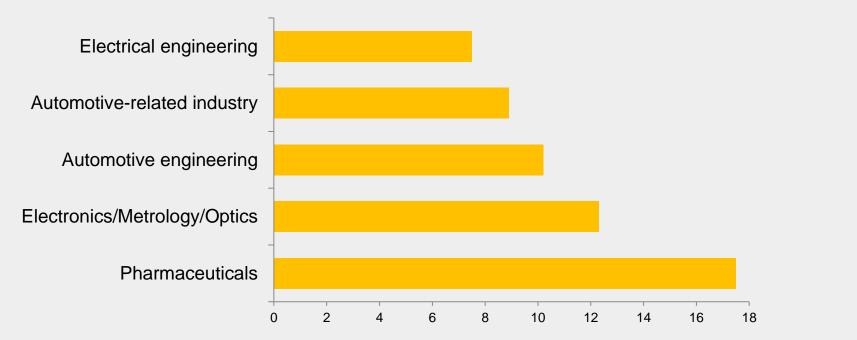
search			Industrial Research Associations (AiF)	Companies/ Industrial Research
applied research	Länder		Networks and Clust	s Hers
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	Research Infrastructures			© VDI Technologiezentrum GmbH 2010/Layout adaptation: Frankfurter Societäts-Medien GmbH
	public funding		private	funding



- 66% of all research funding in Germany comes from business and industry
- Innovation-driving sectors: pharmaceuticals, electronics, automotive engineering, mechanical engineering
- Technology transfer Cluster formation, networks







Expenditures for innovations in % of turnover 2014 Source: Federal Statistical Office



 10 German corporations are among the top 20 European innovation drivers









 Federal and "Länder" govts.
 additional funding for needsbased study programmes:

2011-2015: Funding for
 624,000 additional students

- 22% indirect costs for research projects
- Funding to improve the quality of Teaching

Research in Germany Land of Ideas



Federal- and state-funded research programme

- Duration: 2006-2017
- Total funding volume: 4.6 bn euros
- Focus: university research activities
- Cooperation with regional, national and international partners



DFG

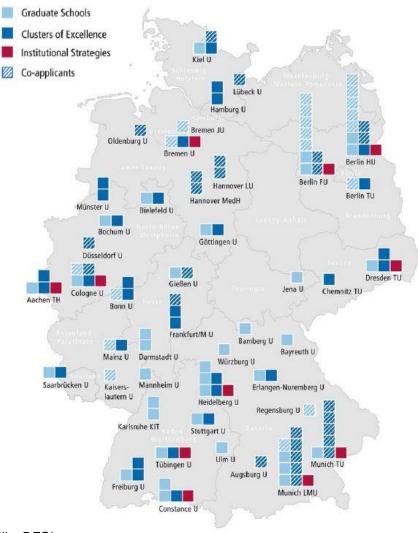
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Excellence Initiative

Funding awarded in the second programme phase:

99 projects at 44 universities



(Quelle: DFG)



- Non-university research institutes and university research projects
- 2016-2020 five percent funding increase to institutions annually
- Goals: identification of future-oriented research fields, promotion of junior researchers, cross-institutional networking, internationalisation, knowledge and technology transfer, partnerships with industry







DFG

The German Research Foundation DFG – Deutsche Forschungsgemeinschaft



Who we are:

- Central public funding organization for basic research in Germany
- A self-governing body of science and research
- Member organization (universities, academies, research organizations)
- The budget in 2016: € 3 billion in direct research funding,
 provided primarily by the federal government and the 16 German
 Länder





What we do:

serve all branches of science and the humanities by
 funding research projects and facilitating cooperation among
 researchers

- support the education and advancement of young scientific researchers
- promote equality between men and women
- advise parliaments and public authorities on scientific matters
- foster relations between research and the private
 sector and between scientists and academics at home
 and abroad





Graduate schools and Research Training Groups

- In Brief
 Candidates earn a PhD as part of a structured doctoral programme
- Who?
 PhD students
 Postdocs / Junior
 researchers
- Duration? 3 years of funding for PhD, otherwise dependent on the position



Value? Work contract or scholarship DFG

www.dfg.de/en/excellence-initiative/gsc



Support for early career researchers within Clusters of Excellence and Collaborative Research Centers

In Brief Structured doctoral training or work on a research project; option of taking on project leadership or junior professorship within a Cluster of Excellence



- Who? PhD students Postdocs / Junior researchers
- Duration? 3 years of PhD funding, Postdoc positions
- Work contract or fellowship

Research in Germany Land of Ideas

www.dfg.de/en/excellence-initiative/exc



In Brief Research projects with clearly defined topics and durations; possibility of applying for different funding modules

Who? Postdocs / Junior researchers and senior researchers (at German research institutions)

Duration?
Up to 3 years

Value? Funding, incl. own position (where applicable)

www.dfg.de/research_grants



Research in

Land of Ideas

Germany



- In Brief
 Lead a junior research group, qualifying for supervisory positions or a university teaching career
- Who? Postdocs / Junior researchers
- **Duration?** 5 years, max. 6 years
- Value? Funding: staff and consumables of a junior research group, incl. own position



DFG

www.dfg.de/emmy_noether/en



Mercator Fellowships

Mercator Fellows are supposed to

- Strengthen research (and teaching) in Germany
- **Contribute to the objective** of the research project
- Support early-career scientists

This module is available within the Individual Research Grant Program and for coordinated programs.

Researchers can apply (through the German host institution) for funding for a research stay of 3 to 12 months (may be divided into 3-month blocks).





Initiation of International Cooperation

Objective

To support the initiation of international collaboration with the modules "Bilateral Workshops", "Trips Abroad" and "Guest Visits "

Type and Extent of Funding

The modules can be combined

 Trips abroad of up to three months or research stays at partner institutions. Researchers from doctoral candidates to professors may take advantage of these

Joint workshops

Funding is available for a maximum of 1 year. The program relies on *matching funds*. Funding is applied for by the German partner.









Dr. Max Voegler (DFG North America Office)

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The Alexander von Humboldt Foundation:

Research Fellowships and Awards

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The Alexander von Humboldt

Foundation

- Supports excellent individual researchers and other professionals from abroad and from Germany
- No quotas for countries or disciplines; selection based solely on applicant's academic record
- Equal opportunity for female researchers
- Up to 700 fellowships and awards granted annually
- Free choice of academic host/collaborative partner in Germany; independent scientific/scholarly research, not stipulated by AvH
- "Exzellenz verbindet"—be part of a worldwide network. Alumni network of over 26,000, including 52 Nobel laureates

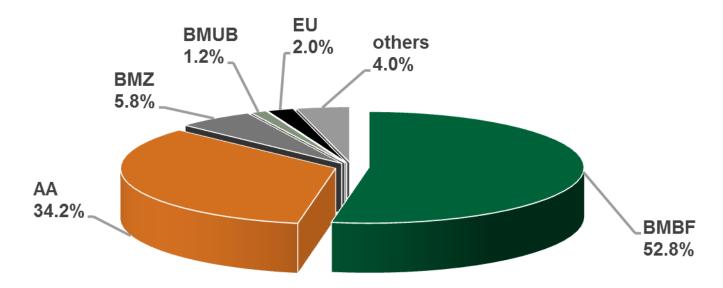






The Humboldt Foundation's funding

Budget for 2015: approx. €114.2 million Financed by federal funds and the European Union: approx. 96%



AA: Federal Foreign Office
BMBF: Federal Ministry of Education and Research
BMZ: Federal Ministry for Economic Cooperation and Development
BMUB: Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety

Research in Germany





Key sponsorship programs at a glance

	Academics from abroad	Academics from Germany	
Postdoctoral researchers	Humboldt Research Fellowship	 Feodor Lynen Research Fellowship 	
(up to 4 years after completion of doctorate)	Georg Forster Research Fellowship		
Junior research group leaders	 Sofja Kovalevskaja Award 		
(up to 6 years after completion of doctorate)			
Experienced researchers	Humboldt Research Fellowship	 Feodor Lynen Research Fellowship 	
(up to 12 years after completion of doctorate)	Georg Forster Research Fellowship		
(up to 18 years after completion of doctorate)	 Friedrich Wilhelm Bessel Research Award 		
Internationally renowned academics	Humboldt Research Award		
	Georg Forster Research Award		
	Anneliese Maier Research Award		
	Max Planck Research Award	Max Planck Research Award	
Research in Germany	 Alexander von Humboldt Professorship 	41	





Research fellowships for research stay in Germany

Humboldt Research Fellowship / Georg Forster Research Fellowship

	Postdoctoral researchers	Experienced researchers
Duration of sponsorship	 6 to 24 months 	 6 to 18 months, may be divided up into 3 stays
Application period	 applications at any time, doctorates completed less than 4 years ago 	 applications at any time, doctorates completed less than 12 years ago
Fellowship amount	 €2,650 per month (plus additional benefits) 	 €3,150 per month (plus additional benefits)





Application procedure & requirements

- Applications at any time to the foundation
- Decision by independent selection committee
- Allow 4-7 months for application procedure

Postdoctoral researchers	Experienced researchers	
 above average doctorate 	 independent academic activity, e.g. as an assistant professor 	
 academic publications 	 comprehensive list of academic publications with own, clearly defined academic profile 	
 agreement by academic host 	 agreement by academic host 	
 independent research proposal 	 independent research proposal 	
 knowledge of German and/or English 	 knowledge of German and/or English 	





Benefits

Benefits Provided:

- fellowship
- travel lump sum
- language courses
- benefits for families
- allowance for research costs for the host institute
- intensive and individual mentoring in Germany and abroad by personal contacts at the Foundation
- study tour, network meeting, annual meeting
- return fellowships for specific regions





through the Humboldt Foundation's Network Online

- Network Online can be used to locate Humboldtians' host institutes
- searches can be filtered by subject area, location or keyword

www.humboldt-foundation.de/web/netzwerk-recherche.html

on the EURAXESS Germany website

www.euraxess.de/en/in_karrieren_wissenschaft.php

with the help of the Research Explorer from DAAD and DFG

- contains more than 19,000 institutes at German universities and nonuniversity research institutions
- allows searches based on geographical, field-related and structural criteria www.research-explorer.de

ask colleagues at your institute who have contacts in Germany (possibly Humboldtians)

Research in Germany





Research awards

Sofja Kovalevskaja Award

- for top level junior academics from abroad
- up to €1.65 million for a period of 5 years
- to establish their own junior research group in Germany
- joint application by the applicant and the host institution

Humboldt Research Award (by nomination)

- for internationally eminent academics from abroad
- €60,000, research stay in Germany

Friedrich Wilhelm Bessel Research Award (by nomination)

- for experienced, internationally-respected academics from abroad up to 18 years after completion of doctorate
- up to €45,000, research stay in Germany





Research award in the humanities &

social sciences

Anneliese Maier Research Award

collaboration award to promote the internationalization of the humanities and social sciences in Germany

- for outstanding researchers from abroad from the fields of the humanities and social sciences
- €250,000 EUR for a period of up to 5 years
- to finance research collaboration with specialist colleagues in Germany
- nomination







Research Awards

Alexander von Humboldt Professorship

- International Award for Research in Germany for leading academics of all disciplines from abroad
- 3.5 or 5 million euros for 5 years, up to 10 award winners p.a.
- nominations by German universities or joint applications by universities and non-university research institutions
- requirement: strategic plan by the university to integrate the award winner into long-term research and development







For young professionals: the German Chancellor Fellowship

for outstanding prospective leaders from Brazil, China, India, the Russian Federation and the USA

- from a broad range of areas such as politics and public policy, law, media, business, the non-governmental sector, and the arts
- with an independent project in Germany that has been agreed with the host.
- intermediaries between their home countries and Germany

APPLICATION DEADLINE: September 15, 2016







For young professionals: the German Chancellor Fellowship

Application requirements

- Bachelor's or equivalent academic degree
- leadership potential

Benefits provided

- 12-month fellowship in Germany, extension of up to 3 months possible
- language course, introductory seminar, study trip, reception at the Federal Chancellery
- travel lump sum, family allowances







Thank you for your attention!

Contact: Cathleen Fisher cathleen.fisher@americanfriends-of-avh.org



E-mail: info@avh.de

www.humboldt-foundation.de





German Academic Exchange Service



Peter Kerrigan (Deputy Director, DAAD Office New York, Marketing Director

DAAD North America)



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German Academic Exchange Service (DAAD)

is the largest funding organization in the world supporting international exchange of students and scholars

DAAD provides

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of Education and Research

- Information and counseling about studying & research in Germany
- Scholarships and grants



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DAAD **DFG**





Research Grants

For PhD candidates, recent PhDs or for individuals wishing to earn a doctoral degree in Germany

- 1 to 10 months with the possibility of an extension
- Must have a well-defined research project
- Invitation by host institution essential

Terms of Award:

€1,000/month plus insurance and travel stipend





Federal Ministry of Education and Research





Bilateral Exchange of Academics

For researchers outside of Germany who hold a doctorate

2 weeks to 3 months

Terms of Award:

Cost of stay are paid by DAAD, travel expenses paid by host institution







Study Scholarship

For a full master's degree program at a German university or a year of independent study

> Terms of Award: € 750/month, plus insurance, travel stipend

Deadline: November 4

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Re-invitation Program for Former Scholarship Holders



For DAAD alumni with a research or study stay in Germany for at least 6 months

- 1 to 3 months
- Must have a well-defined research project
- Invitation by host institution essential

Terms of Award:

€2,000 - €2,150/month plus insurance and travel stipend







RISE Germany

(Research Internship in Science and Engineering) For Undergraduates



- Summer internship (2 to 3 months) in the fields of biology, chemistry, physics, earth sciences and engineering
- RISE interns are matched with doctoral students at a German university or research institute
- The working language will be English

Terms of Award: €650/month, plus insurance, travel stipend

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Federal Ministry of Education and Research Deadline: January 15

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RISE Professional

(Research Internship in Science and Engineering) For Master's and PhD Students



- Summer internship (2 to 3 months) in the fields of biology, chemistry, physics, earth sciences and engineering
- RISE interns are matched with a company in Germany
- The working language is usually English

Terms of Award: €750+/month, plus insurance, travel stipend

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Federal Ministry of Education and Research Deadline: January 31



RISE Worldwide

(Research Internship in Science and Engineering) To host a German student in your lab

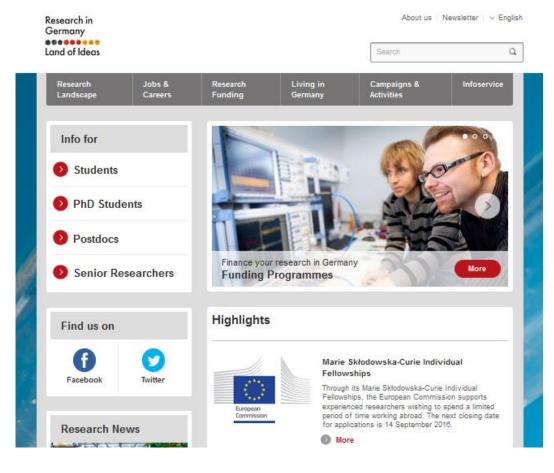


- Summer internship (2 to 3 months) in the fields of biology, chemistry, physics, earth sciences and engineering
- German RISE interns are matched with doctoral students, universities or research institutes around the world
- The working language will be English





- <u>www.research-in-germany.de</u>
- <u>www.dfg.de</u>
- www.humboldt-foundation.de
- <u>www.daad.org</u>
- <u>www.daad.de</u>





http://www.research-in-germany.org/en/infoservice/publications.html



Research Careers in Germany – A guide for international postdocs and experienced researchers (2016, 40 pages)

This brochure outlines the career opportunities Germany offers international postdocs and experienced researchers. It also contains some practical advice about visas, insurance and living in Germany.

Download (PDF, 3.9 MB)



The German doctorate – A guide for doctoral candidates (2015, 40 pages)

This booklet for (prospective) international doctoral students shows the different options for doing a doctorate in Germany. It explains the formal requirements, gives some practical advice on finding the right supervisor or doctoral programme. It also presents sponsoring and funding options.

Download (PDF, 9.4 MB)



FAQs – Preparing a successful research stay in Germany (2012, 47 pages)

FAQ Flyer with 14 questions and answers on preparing a research stay in Germany. Target group: International students, graduates, junior and senior scientists interested in research in German.



Subject-specific Brochures



Funding your research in Germany (2015, 72 pages)

A selection of funding programmes for German and foreign academics run by the most important research funding institutions. Target group: international students, graduates, post-docs and academics interested in a research stay in Germany.

Download (PDF, 6.4 MB)



GEPRIS (online database on current DFG-funded projects)

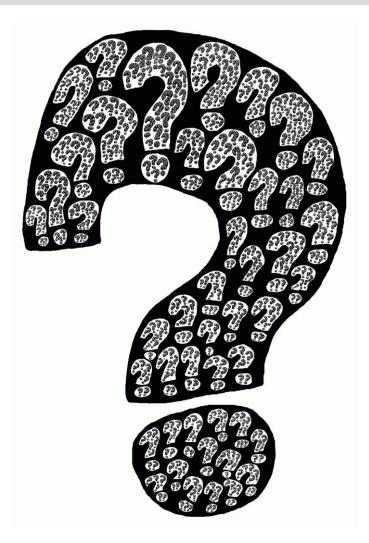
GEPRIS (German Project Information System) is an online database made available by the DFG to provide information on current DFG-funded research projects. Please note that to date, project information is available mainly in the German language.

www.gepris.dfg.de/en



Research in Germany







Thank you for joining us today!

Max Vögler

Cathleen Fisher

Peter Kerrigan

Hanni Geist





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