

🗱 🐡 The German Research Landscape

Research in Germany: Organisations and Funding









DAAD worldwide: Information centres and regional offices



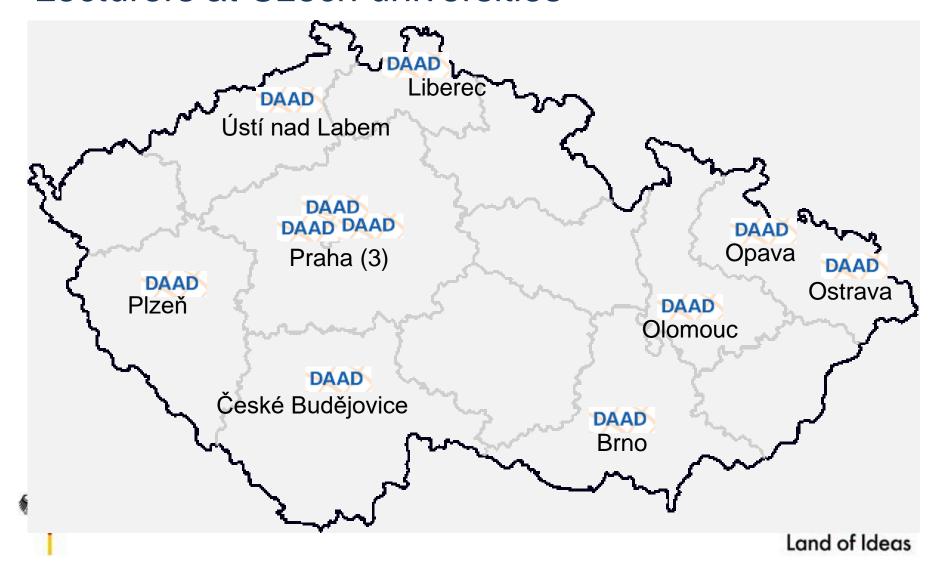








DAAD in the Czech republic: Lecturers at Czech universities





- The German research landscape:
 - Facts and figures
 - Research institutions
- Funding opportunities:
 - Funding organisations
 - Funding for PhD. students
- How to apply for a DAAD scholarship
- Further Information









Facts and figures 2015



More than 1,000 publicly funded research institutions



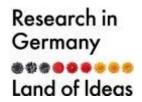
Research expenditures: 90 bn euros = 2.98% GDP



652,000 people in the R&D sector



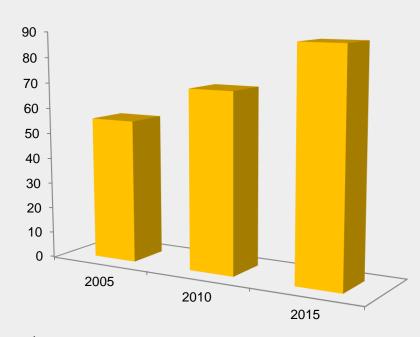
Bilateral, European and multilateral cooperation with more than 155 countries





Research expenditures

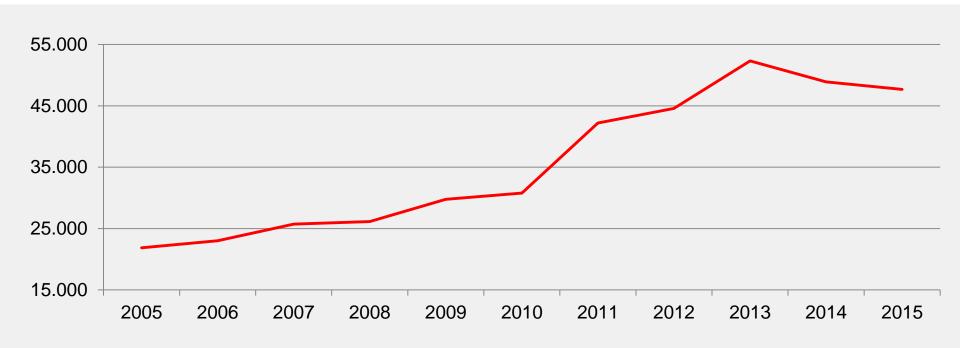
+ 50% for R&D in Germany



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



International researchers



Number of international researchers in Germany

Source: Wissenschaft Weltoffen

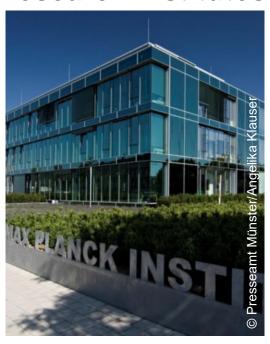


Pillars of the German research sector

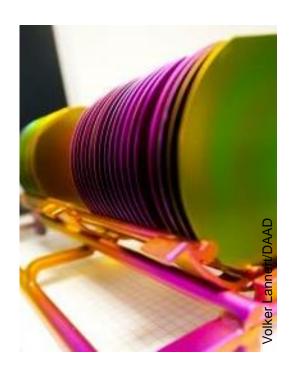
Universities (HEIs)



Non-university research institutes

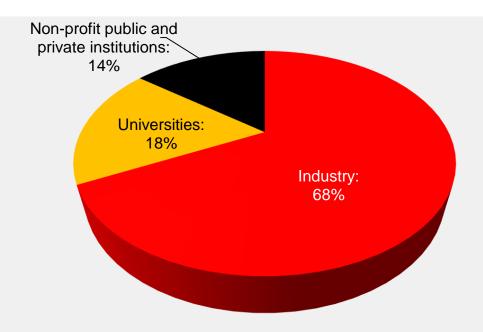


Industrial research





Research expenditures by sector

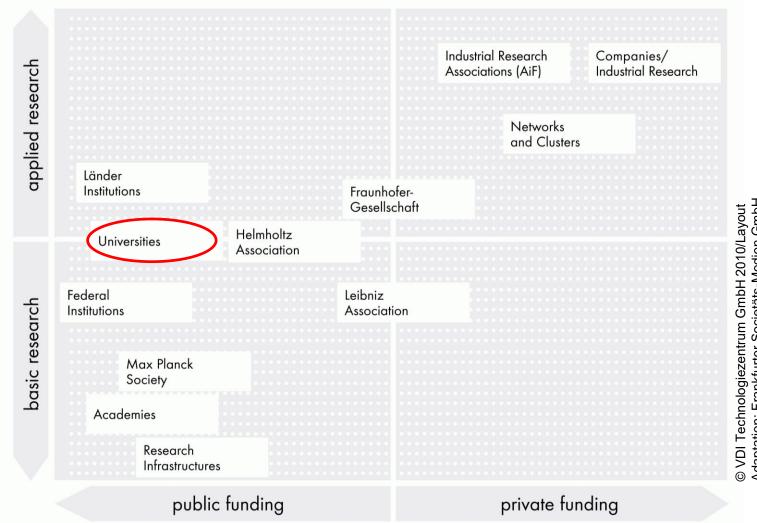


Research expenditures by sector in 2014 (%)

Source: Federal Statistical Office



Participants



Adaptation: Frankfurter Societäts-Medien GmbH



- Approx. 400 HEIs 148
 authorised to confer doctorates
- Almost 29,000 international doctoral candidates
- Principle of uniting learning, instruction and research
- Excellence Initiative = 4.6 bn euros for cutting-edge research





Excellence Initiative

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





Excellence Initiative

Funding structures

Graduate schools

Structured PhD programmes



Excellence clusters

Internationally visible beacons of research



Future concepts

Universities among the best-ranked internationally





Excellence initiative

Future concepts

























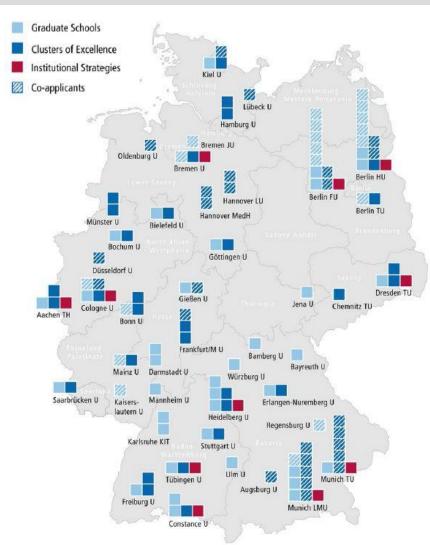




Excellence Initiative

Funding awarded in the second programme phase:

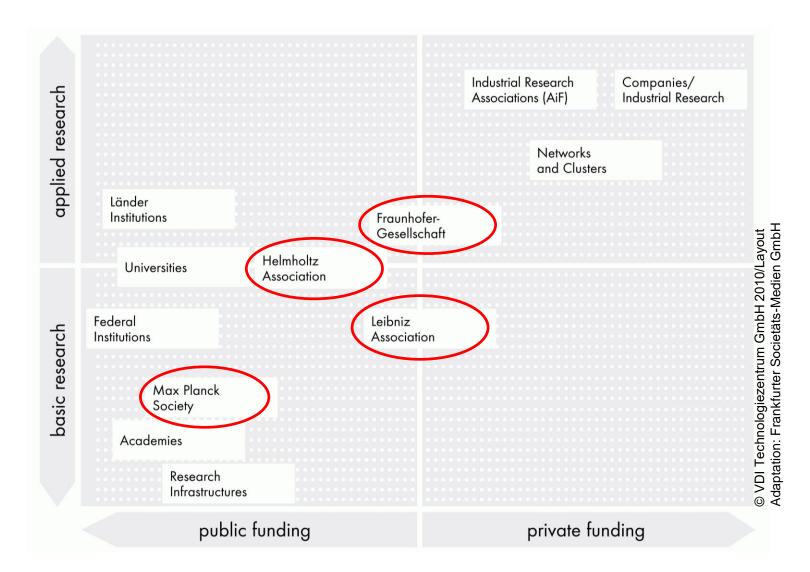
99 projects at 44 universities



(Quelle: DFG)



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	38,200 (staff in total)
Fraunhofer- Gesellschaft	67 institutes	2.1 bn euros	24,000 (staff in total)
Leibniz Association	89 institutes	1.73 bn euros	9,300



Max Planck Society



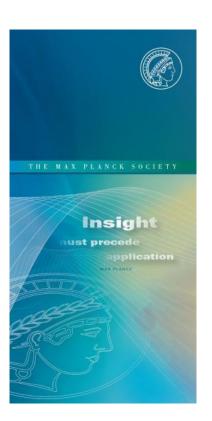




Research for the future



- 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





Leibniz Association







Theoria cum praxi

Leibniz Association

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



Helmholtz Association



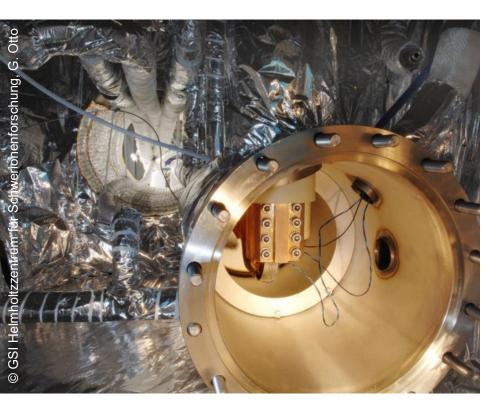




Shaping the future

HELMHOLTZ | ASSOCIATION

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





Fraunhofer-Gesellschaft







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%)

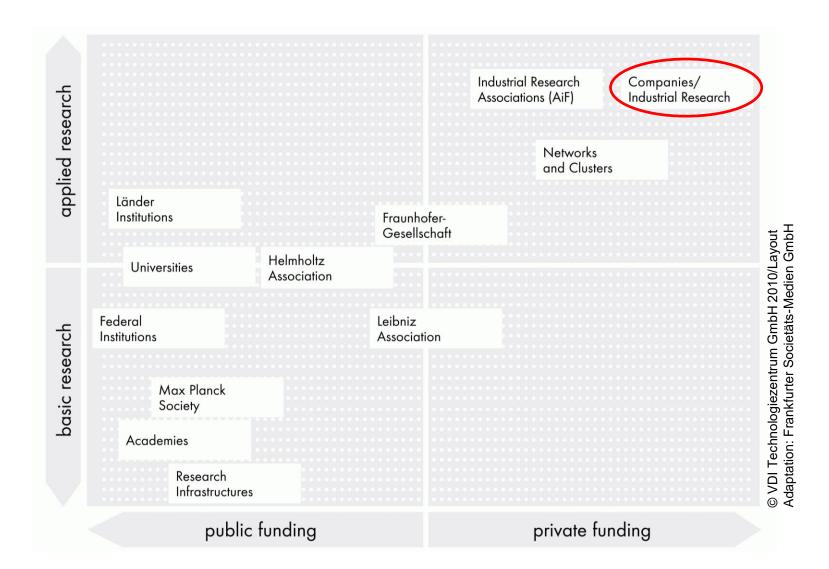








Industrial research





- 68% 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





Germany – Driving innovation

10 German corporations are among the top 20 European innovation drivers

SIEMENS





















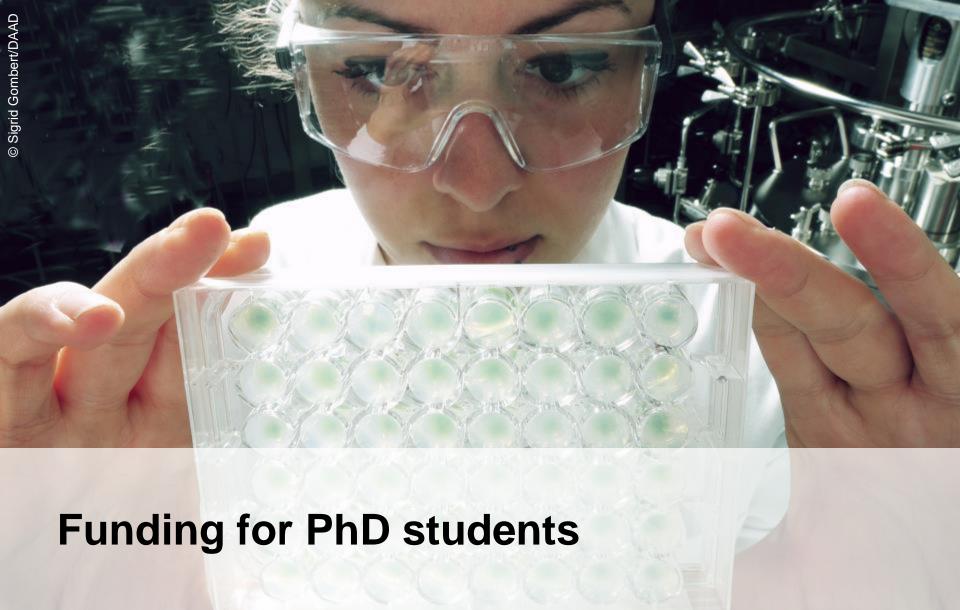


*** Funding opportunities in Germany





Research in Germany Land of Ideas





Paths to a PhD

Individual vs. structured PhD

Individual PhD

- Individual research under supervision of supervisor
- Optional courses or other forms of teaching / learning
- Mostly informal admission and marginal formalisation

Structured PhD

- Guidance by a team of supervisors / supervising committee
- Mandatory, fixed supporting curriculum (interdisciplinary)
- Defined application process
- Offered by research training groups / graduate schools



- No tuition fees
- Living costs: approx.
 800 € (20.000 CZK) per month
- Can be self- or parentfinanced (external funding)
- Financed by the German supervisor or host institution
- Individual funding: research associate contracts (part-time)
- Apply for a scholarship





Funding for international researchers

Different programmes for different purposes

Duration	Short-term research stay (up to 2 years)	Long-term research stay (more than 2 years)	Complete doctorate
Type of funding	Grant / scholarship fellowship / award	Work contract	Funding*
Type of doctorate/position	Individual doctoral project / structured doctoral programme	Postdoctoral researcher / junior research group leader / junior professorship	Senior researcher / research group leader / professorship

^{*}generally includes own salary and expenses for staff and consumables



Funding organizations

- DAAD German Academic Exchange Service DAAD
- DFG German Research Society
- Alexander von Humboldt Foundation





DEG













EU-Programmes



Others (BayHost, Bavarian Czech Academic Agency)











Deutscher Akademischer Austausch Dienst Německá akademická výměnná služba

www.funding-guide.de

database of all available scholarship programmes for Germany



Research grants – One-year and short-term grants

In Brief
Research project at a state-run or

state-recognised university or non-

university research institute in

Germany

Who?
PhD students

Postdocs / Junior researchers

Duration? One-year grants: 7–10 months

Short-term grants: 1–6 months

Value? 750–1,000 €/month + additional

allowances

www.funding-guide.de

DAAD

Deadline: 15.11. each year

Deadline: 15.11, and

01.05. each year

Research in Germany



Research stays for university academics and scientists

In Brief
Short-term research stay at a state-

run or state-recognised university or

non-university research institute in

Germany

Who? Postdocs / Junior researchers

Senior researchers

Duration? 1–3 months Deadline: 15.11. and

01.05. each year

※ Value? 2,000–2,150 €/month, incl. travel

allowance

www.funding-guide.de

DAAD





Re-invitation programme for former scholarship holders

In Brief
Research and work projects at a state-

run or state-recognised HEI or non-

university research institute

Who?
PhD students

Postdocs / Junior researchers

Senior researchers

Deadline: 15.11. and

01.05. each year

Value? Fellowship: 2,000–2,150 €/month +

travel allowances

www.funding-guide.de



DAAD



Bilateral exchange of academics

In Brief
Research and study visits

as part of bilateral

exchange of researchers and scholars with partner

countries

Who?
Postdocs / Junior

researchers

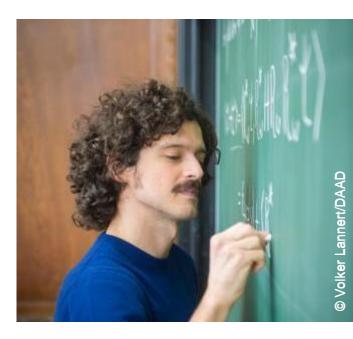
Senior researchers

Duration? 2 weeks–3 months

Value? Fellowship: 2,000-

2,150 €/month

www.funding-guide.de





Deadline: 15.11. and

01.05. each year



Postdoctoral Researchers International Mobility Experience (P.R.I.M.E.)

In Brief
Research stay: 12 months outside of

Germany and 6 months at a German

university

DAAD



Who? Postdocs / Junior researchers

Duration? 18 months

Next application process starts in June 2018

*** Value?** Work contract: 3,500–4,500 €/month +

additional allowances

www.daad.de/prime





Leibniz-DAAD research fellowships

In Brief
Research at a Leibniz Institute

DAAD

Who? Postdocs / Junior researchers



Duration? 12 months

Fellowship: 2,000 €/month +

additional allowances (460 € research

allowance/year, health insurance,

2-month German course)

Research in Germany

www.daad.de/leibniz



DLR-DAAD research fellowships

In Brief Research / doctorate in space,

aeronautics, energy and transportation

research at a DLR Institute

Who?
PhD students

Postdocs / Junior researchers

Senior researchers

Duration? PhD students: 36 months

Junior researchers: 6–24 months Senior researchers: 1–3 months

Value? Fellowship: 1,500–2,300 €/month +

additional allowances

www.daad.de/dlr

DAAD







Step 1 Have a look at

www.funding-guide.de

Step 2 Select your status and country of origin

Step 3 Select your scholarship programme

Step 4 Read the details concering application

requirements and process

Step 5 Click on "submitting an application"

Step 6 register within the DAAD Online-Portal

and upload required documents

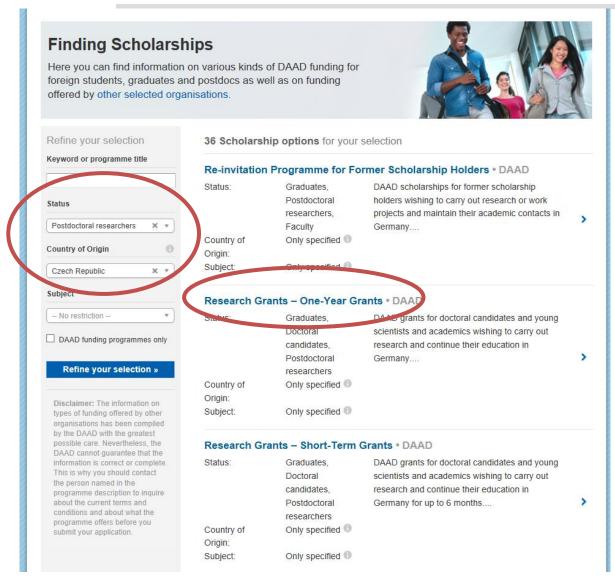
Step 7 When finished your application, print it

and send it to the application location

Research in Germany Land of Ideas

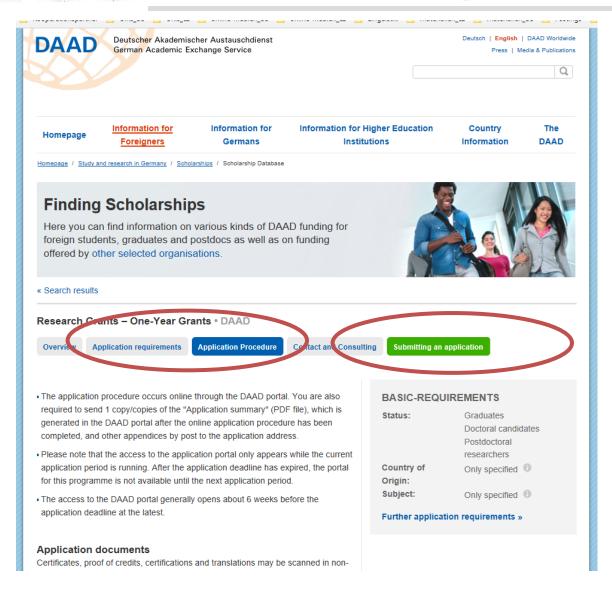
DAAD















1. Documents to be uploaded to the DAAD portal

- Online application form
- Full curriculum vitae in tabular form (max. 3 pages)
- List of publications (max. 10 pages), if applicable
- Extensive and detailed description of the research proposal which has been discussed with the academic adviser and a description or previous research work (max. 10 pages)
- Schedule of planned research work
- Letter confirming supervision by an academic adviser in Germany, which refers to the applicant's proposal and confirms that the host institute will provide a workplace
- University degree certificate indicating final grade(s): the certificate must be subsequently submitted before the grant-supported research begins if it is not available at the time of application.
- Other documents which support your application (example: certificates of employment, proof of placements, etc.)
- All university certificates on all annual examinations with individual grade(s), incl. explanation of grading system.
- A German language certificate which may be issued by local DAAD lectors. These language certificates den't replace the necessary language certificate for your studies at the German university.
- German or English translations of documents submitted in the national language
- Copy of school-leaving certificate which entitles holders to study at a university in the home country (with all individual grades)
- Proof of admission to a doctoral programme at the home university insofar as the applicant intends to take a doctoral degree there
- In addition, at English language certificate in case the language of research is English

**

DAAD Programme

Projectbased mobility for researchers (PPP)



Startseite

Infos für Ausländer

Infos für Deutsche

Infos für Hochschulen

Startseite / Informationen für deutsche Hochschulen / Weltweite Programme / Mobilität und Austausch / Forschungsmobilität

Forschungsmobilität - Programme des Projektbezogenen Personenaustauschs (PPP)



Zur Stärkung der Wissenschaftsbeziehungen zwischen einer deutschen und einer ausländischen Einrichtung und Förderung partnerschaftlicher Forschungsaktivitäten unterstützt der DAAD in den PPP-Programmen gemeinsame, bi-nationale Forschungsprojekte von hohem wissenschaftlichem Niveau. Die Projektmittel sind für die im Forschungsprojekt anfallenden Mobilitätskosten der deutschen Teilnehmer bestimmt und dienen insbesondere dazu, den am Projekt beteiligten Nachwuchswissenschaftlern einen Forschungsaufenthalt an der ausländischen Partnereinrichtung zu ermöglichen.

Partnership between
German and international
research institutions

Czech Partner: Akademie věd ČR

Next deadline: April 2018

Contact person for Germany:
Rachacova Karolina
rachacova@kav.cas.cz





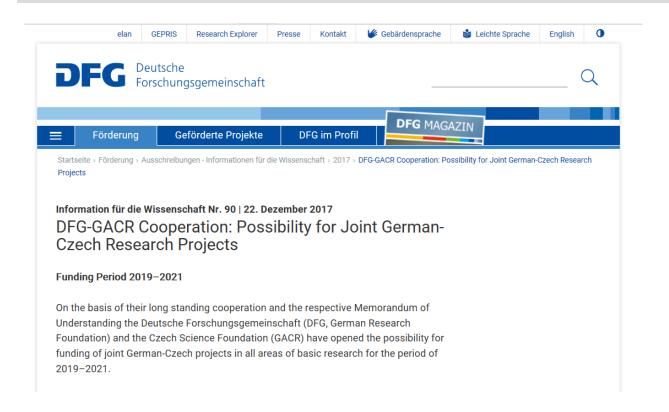
*** *** DFG Scholarschip programmes



Research in Germany



Joint research call – DFG – GA ČR



http://www.dfg.de/foerderung/info_wissens chaft/2017/info_wissenschaft_17_90/index.html

Research in Germany 50



Graduate schools

In Brief Candidates earn a PhD

as part of a structured

doctoral programme

Who?
PhD students

Postdocs / Junior

researchers

Duration? 3–4 years for PhD

positions, otherwise

dependent on the position

Value? Work contract or

scholarship





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



Research grants

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



DFG



Research Training Groups

In Brief
Focused research

programme as part of a DFG Research Training Group (*Graduiertenkolleg*)

Who?
PhD students

Postdocs / Junior

researchers

Duration? 2–3 years

Value? Work contract or

scholarship

www.dfg.de/gk/en







Alexander von Humboldt foundation



54

Research in Germany



Alexander von Humboldt foundation

- Focus on individual funding
- Focus on postdocs and senior researchers
- Scholarships for habilitation projects
- Local Humboldt in the Czech rebublic





Úvod

Stanovy Zprávy

Pozvánky/Akce

Fotogalerie

Komentáře členů

Předsednictvo

Členové Kontakt

Adresa:

Humboldt klub ČR Prof.RNDr. Roman Grill,CSc. Fyzikální ústav MFF UK Ke Karlovu 5 121 16 Praha 2

Telefon: 22191 1331 **Fax:** 2249 22797

e-mail: grill@karlov.mff.cuni.cz





Georg Forster Research Fellowship for postdoctoral researchers

In Brief Development-related research project

with an academic host in Germany



Who?
Postdocs / Junior researchers from

developing countries, emerging

economies, transition states

Duration? 6–24 months

Value? Fellowship: 2,650 €/month +

additional allowances

Research in Germany

www.humboldt-foundation.de > Sponsorship



Research institutions









All four research institutions:

- offer individual doctoral positions
- run graduate schools
- run international reserach groups
- offer special mobility programmes



In Brief
Establishment of a

research group at a Fraunhofer Institute

Who?
Postdocs / Junior

researchers

Senior researchers

Duration? 5 years; continuation as

self-sustaining group

possible

☀ Value? Funding: up to 2.5 m €,

incl. own position





www.fraunhofer.de/en > Jobs / Career

Research in Germany



International Helmholtz Research Schools and Graduate Schools

In Brief
Structured doctoral

programmes in partnership

with universities

Who?
PhD students

**** Duration?** 3 years

Work contract or

scholarship





www.helmholtz.de/phd



Leibniz Graduate Schools and Leibniz ScienceCampi

In Brief
Structured PhD programme either at a

Leibniz Institute or a partner university



Who?
PhD students

Duration? Scholarship: max. 3 years

Work contract: 2–3 years

Value? Scholarship: 1,150–1,450 €/month

Work contract (usually part-time):

2,300-3,500 €/month

www.leibniz-association.eu > Careers





International visiting researchers at Max Planck Institutes

In Brief
Independent research at a

Max Planck Institute

Who?
PhD students

Postdocs / Junior

researchers

Senior researchers

Duration? PhD students: up to 6

months

Postdocs / Senior

researchers: up to 2 years

Grant + travel allowances





www.mpg.de/jobboard

Value?



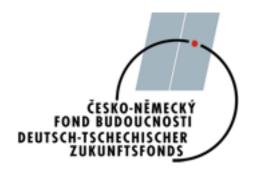
Other Organisations:



Bayerisch-Tschechische Hochschulagentur



Česko-bavorská vysokoškolská agentura



Research in Germany



Bayhost: indivdual scholarships at Bayarian universities





Czech-Bavarian Academic Agency: funding of joint projects

http://www.btha.cz/en/



Study in Bavaria - Doctoral Programmes in English

Would you like to study for a doctorate in Bavaria, but don't know where to start? This list offers you a first overview of strucprogrammes are particularly attractive for international students, as they often have an international or interdisciplinary foc lish or other foreign languages. During the PhD programme you will receive intensive supervision from a team of university (students to complete their PhD programmes within three years. In addition, graduate schools frequently offer programme-si tions for research associates. If you would like to receive further information on the individual PhD programmes listed, pleas

If the particular subject area you are interested in is missing from the list, don't worry! In Bavaria, most doctorate students to specific needs. If you choose to pursue this "traditional" route, you can apply at any university department or facility to cond supervise your work on a one-to-one basis

For more information on PhD programmes in Bavaria and ways to finance your doctorate visit www.study-in-bavaria.de/en/what-where/find-the-right-course/doctoral-programmes/

You may also find useful information on living and studying in Bavaria at www.study-in-bavaria.de

More information on programmes of the Elite Network of Bavaria for exceptionally talented students and researchers can be

Below, you find an explanation of the German doctoral titles listed in this overview. For information on the process of official country, please enquire at your home university,

Explanation of the German doctoral titles:

Dr. theol. = (theologiae): Doctor of Theology

Dr.-Ing. = (engineer): Doctor of Engineering Sciences
Dr. oec. publ. ** (oeconomiee publicae): Doctor of Economics
Dr. rer. pol. ** (return) politicarum): Doctor of Political Science
Dr. rer. pol. ** (return) politicarum): Doctor of Political Science
Dr. rer. pol. ** (return) politicarum): Doctor of Science

Dr. rer, biol, hum, = (rerur

06 02 2018



Startseite > Stipendien > Studieren in Bayern

START

Studieren in Bayern: Jahresstipendienprogramm des Freistaats Bayern

Die Bayerisch-Tschechische Hochschulagentur vergibt im Studienjahr 2018/19 Jahresstipendien aus Mitteln des Freistaats Bayern an Graduierte aus Tschechien. Das Stipendium dient der Finanzierung eines Promotions-, Aufbauoder Postgraduierten-Studiums an einer bayerischen Hochschule. Es wird zunächst für ein Jahr gewährt und kann auf Antrag maximal zweimal (auf insgesamt drei Jahre) verlängert werden. Das in Monatsraten ausgezahlte Stipendium beträgt jährlich 8.820,- € (monatlich 735,- €). Geförderte mit mindestens einem Kind können zusätzlich einen Beitrag von 160,- € pro Monat erhalten

Ziel des Jahresstipendienprogramms ist die Förderung der wissenschaftlichen Zusammenarbeit und des studentischen Austauschs zwischen Bayern und Tschechien.

Bewerbungsschluss für Erstanträge für das akademische Jahr 2018/19: 1.12.2017 (Eingangsdatum)

Nachrichten

DFG und GA ČR veröffentlichten Ausschreibung für deutsch-tsc Kooperationsprojekte in der Gru Förderzeitraum 2019 - 2021 Antragsfrist: 20.3.2018 www.dfg.de

Am 23, und 24, März 2018 findet Prag statt www.pragestt.ff.cuni.cz

Research in Germany



Česko-německý fond budoucnosti

In Brief Scientific project situated in

the field of Czech-german

relationships

Who? students at all levels,

including Ph.D. students

Duration? 1 − 2 semester terms

Application? 31.01.2018

www.fondbudoucnosti.cz



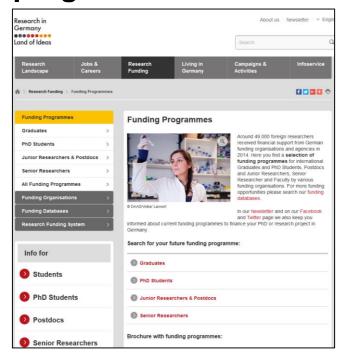




Brochure "Funding your research in Germany"



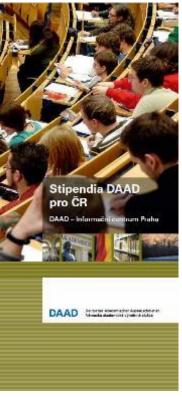
www.research-ingermany.org/fundingprogrammes





Brochures in English and Czech language

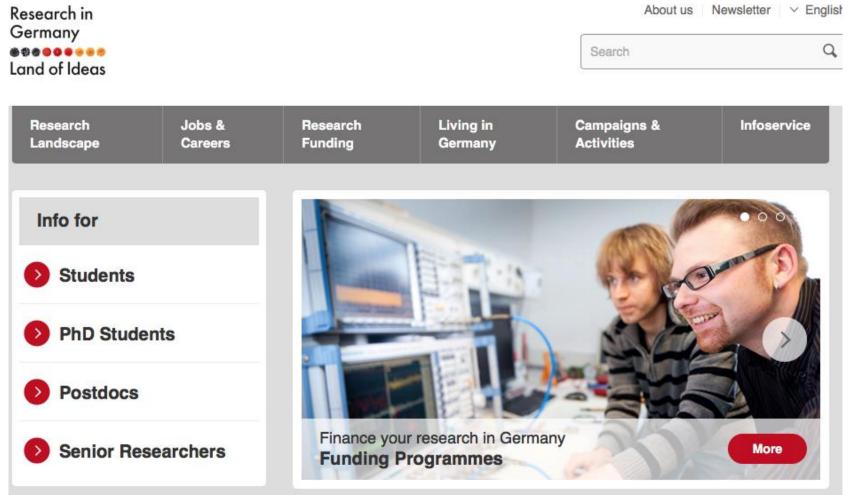








www.research-in-germany.org



Research in Germany



Websites and databases

- http://www.research-in-germany.org
- http://www.funding-guide.de
- http://www.euraxess.de
- http://www.research-explorer.de
- http://www.higher-education-compass.de







Finding a doctoral position

- PhD Germany www.phdgermany.de
- Research in Germany www.research-in-germany.org/jobs
- EURAXESSwww.euraxess.de
- Academicswww.academics.com





Consultation

DAAD Information Centre

PRAGUE

c/o Goethe Institut Prague

Masarykovo nábřeží 32

110 00 Praha 1

Phone: 00420-224 931 182

E-mail: info@daad.cz

Website: <u>www.daad.cz</u>

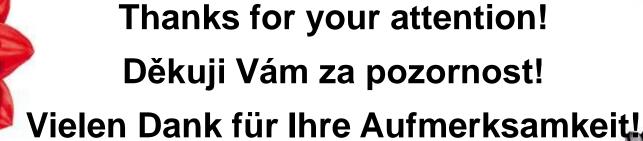
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