



Career opportunities for researchers in Germany

23 November – BCF Career Event



DAAD/VOLKER LANNERT



DAAD/SIGRID GOMBERT



DAAD/VOLKER LANNERT



DAAD/VOLKER LANNERT

AN INITIATIVE OF THE



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas



Facts | Structures | Financing Research in Germany

Facts and figures



approx. 1,100 publicly funded research institutions



expenditure on R&D: €113bn = 3.14% of GDP



750,000 staff in R&D



More than 35,000 university collaborations with 164 countries



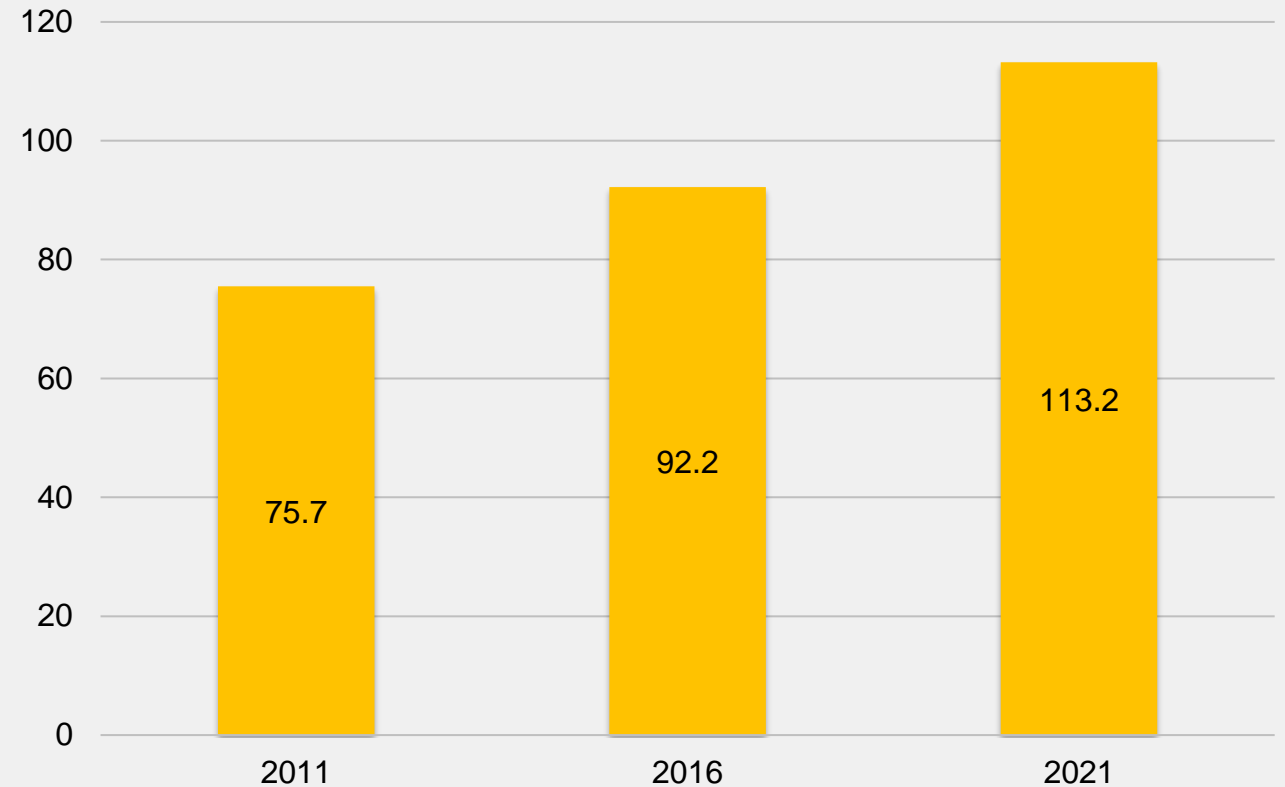


Research expenditure

+50% in 10 years

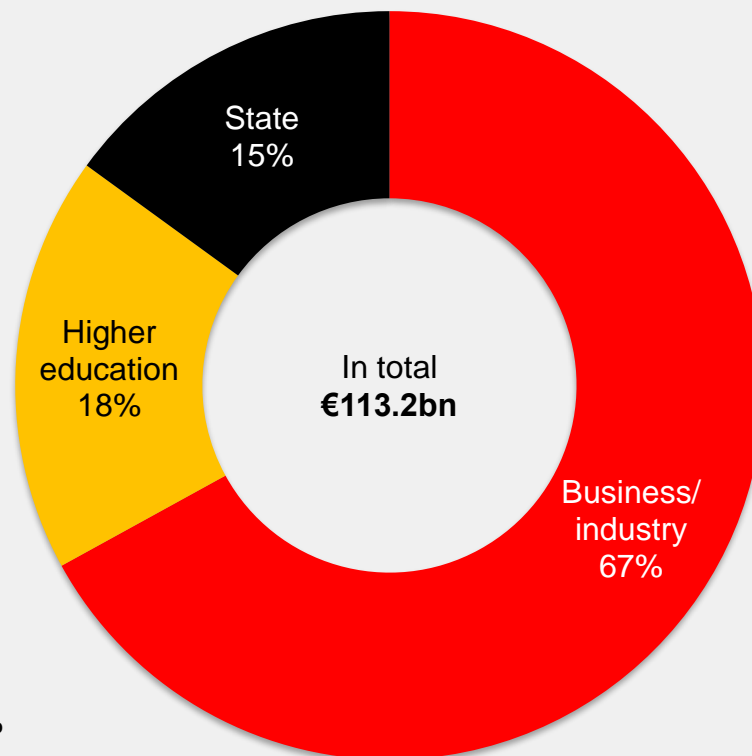
Expenditure on R&D in €bn in Germany

Sources: Federal Statistical Office; Stifterverband Wissenschaftsstatistik





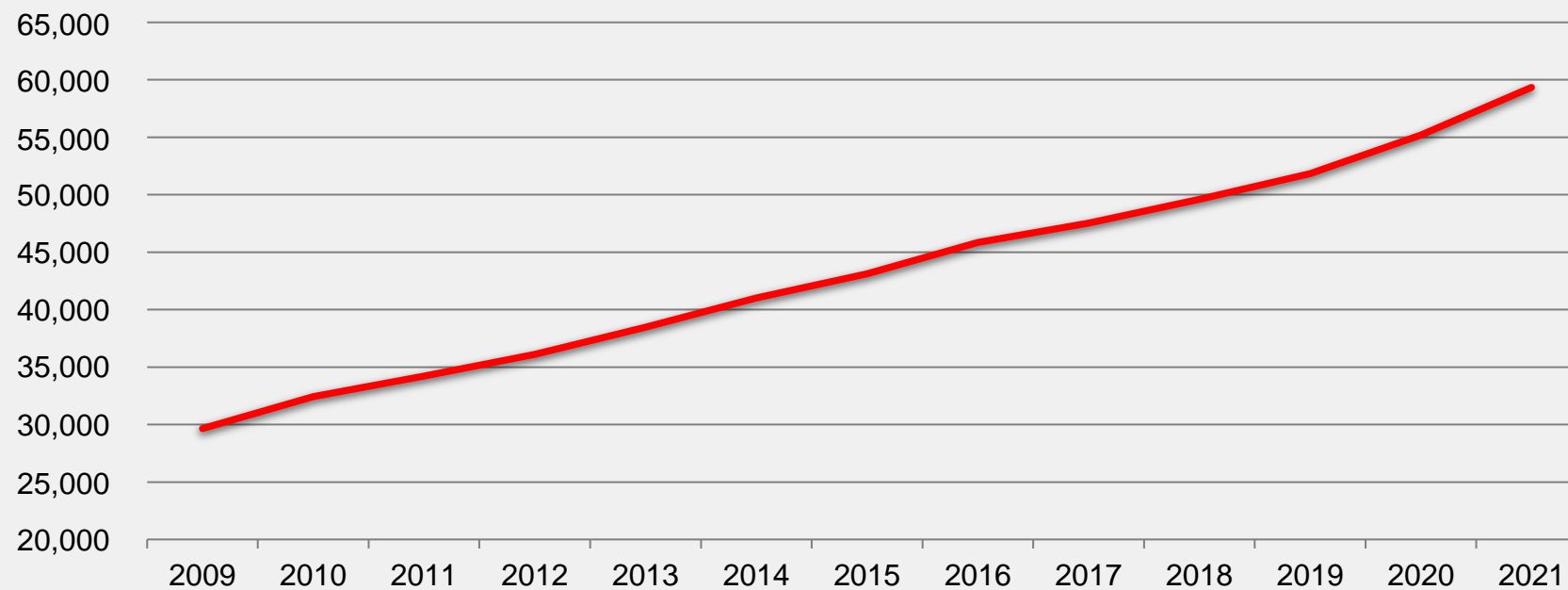
Research expenditure by sector



2021; internal expenditure on R&D by sector, in %
Source: Federal Statistical Office



Internationality of German universities



International academic staff at universities in Germany

Sources: Federal Statistical Office, Wissenschaft weltoffen 2021



International researchers in Germany*

Academic staff at universities



Academic staff at non-university research institutions**



Guest researchers



*Excluding R&D personnel in companies; **Figures relate to the major research organisations, discounting state- and federal-level institutions; 2021; source: Wissenschaft weltoffen 2023



Pillars of the German research sector

Higher education institutions



Non-university research institutes

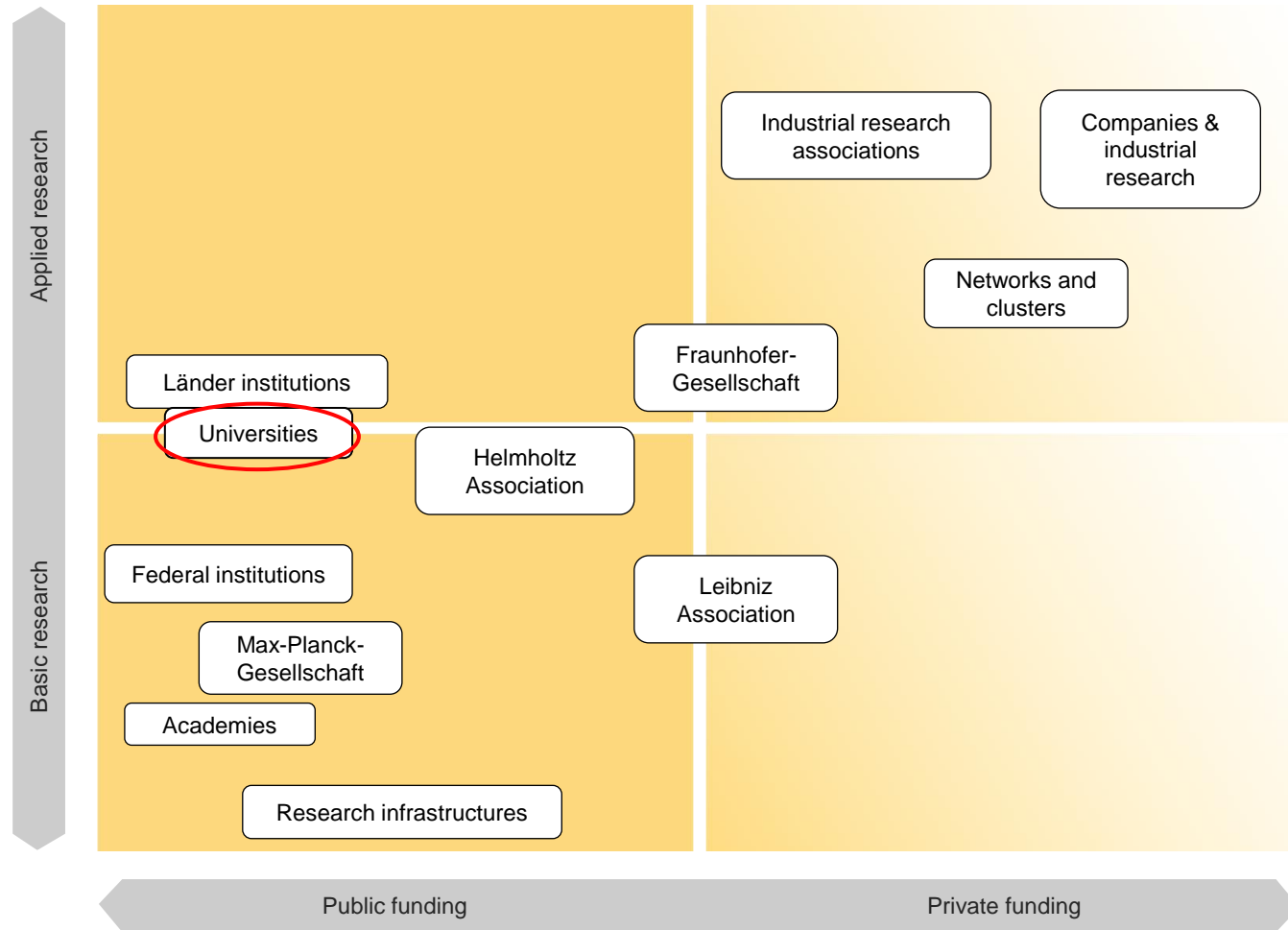


Companies and industrial research





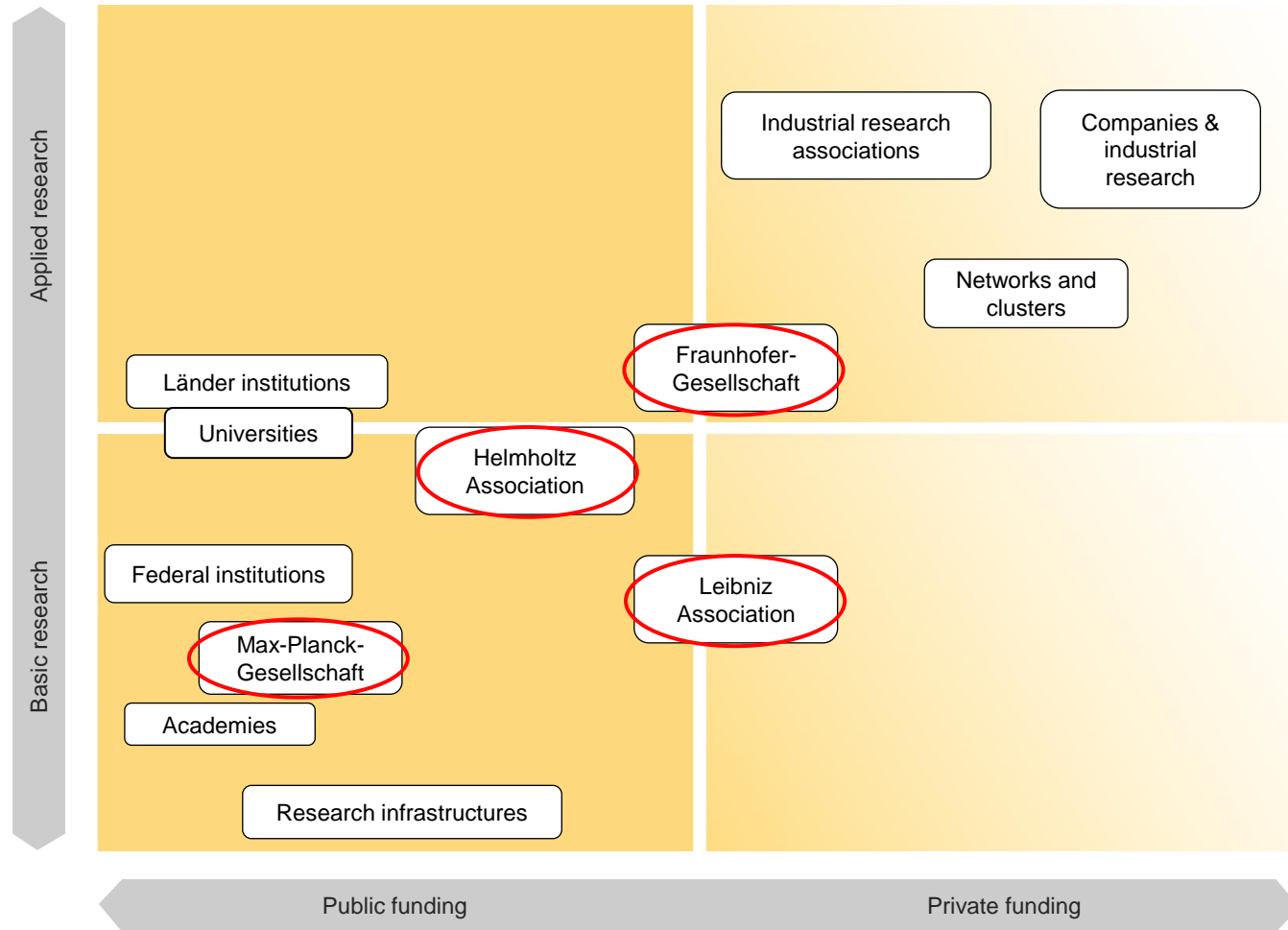
Participants



© VDI Technologiezentrum GmbH 2010/
Layout adaptation: Fazit



Non-university research (I)



© VDI Technologiezentrum GmbH 2010/
Layout adaptation: Fazit

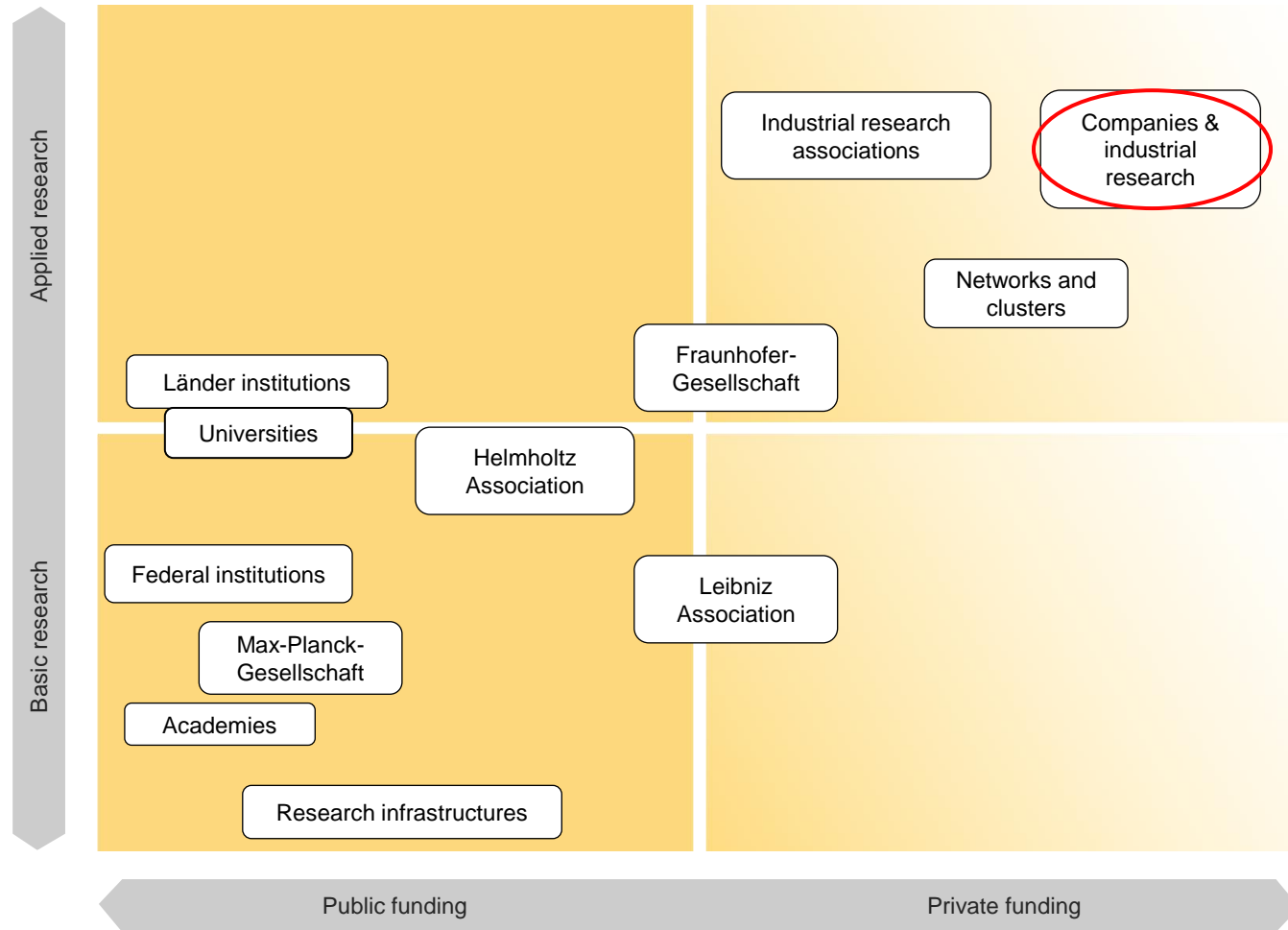


The big four

Institution	Institutes	Budget	Staff in total
Helmholtz Association	18 research centres	€5.8bn	44,000
Fraunhofer-Gesellschaft	76 institutes	€3.0bn	30,000
Max-Planck-Gesellschaft	85 institutes	€2.1bn	24,000
Leibniz Association	97 institutes	€2.2bn	21,000



Companies and industrial research



© VDI Technologiezentrum GmbH 2010/
Layout adaptation: Fazit



Funding for PhD students



Paths to a PhD

Individual PhD vs. structured PhD

Individual

- individual research accompanied by supervisor
- supervisor must be found by doctoral student
- subject chosen by doctoral student
- optional courses or other forms of teaching/learning

Structured

- guidance by a team of supervisors
- dissertation subject must fit in with research programme
- mandatory, fixed supporting curriculum (interdisciplinary)
- defined application process
- offered by research training groups/graduate schools



Financing your PhD

- **no tuition fees**, only administrative per-semester charges
- average **living costs**: approx. €842 per month
- **funding opportunities**:
 - scholarship
 - paid PhD position
 - research associate contracts (part-time)
 - research job in a company
 - part-time job (as waiter/waitress or other casual work)



© DAAD/Wenzel



Funding for PhD students

Individual funding

- individual doctoral projects at universities
- individual doctoral projects at non-university research institutes:
 - Fraunhofer Institutes
 - Leibniz Institutes
 - Max Planck Institutes
- DLR-DAAD Research Fellowships
- ...



© DAAD/Jen Zappner



Research grants – doctoral programmes in Germany

In brief

Doctoral project (individual or structured programme) at a state-run or state-recognised university or non-university research institute in Germany

Who?

PhD students

Duration?

Up to 4 years

Value?

Up to €1,200 /month + additional allowances



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

www.funding-guide.de



Research grants – bi-nationally supervised doctoral degrees

- 🌻 **In brief** Doctoral degree at home university with integrated research phases in Germany or partner country
- 🌻 **Who?** PhD students
- 🌻 **Duration?** Up to 2 years
- 🌻 **Value?** Grant: €1,200 /month + additional allowances during stay(s) in Germany



© Volker Lannert/DAAD



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

www.funding-guide.de

Research Training Groups

-  **In brief** Focused research programme as part of a DFG Research Training Group (*Graduiertenkolleg*)
-  **Who?** PhD students
-  **Duration?** 3–4 years
-  **Value?** Work contract or scholarship

www.dfg.de/gk/en




DFG

© Volker Lannert/DAAD



PhD Fellowships

-  **In brief** Programme for PhD students in basic biomedical research at an internationally leading laboratory
-  **Who?** PhD students
-  **Duration?** 2 years
-  **Value?** Fellowship of €1,650 / month



www.bifonds.de

A photograph of two people in an office setting. On the left, a woman with dark hair tied back, wearing red-rimmed glasses and a red turtleneck sweater, is looking towards the right and speaking. On the right, a man with dark skin, wearing a white dress shirt, is looking down at papers on a desk, with his hand near his face. The background is a plain, light-colored wall.

Funding for postdocs



Funding for postdocs

Working as a postdoctoral researcher

- DAAD & DFG Research Grants
- DLR-DAAD Research Fellowships
- Humboldt Research Fellowships
- Max Planck Grants
- European programme: MSC Postdoctoral Fellowships
- ...





Sources of information



Need more information?

www.research-in-germany.org

Research in Germany
Land of Ideas

Federal Ministry
of Education
and Research


Deutsch

For German
research institutions

Research landscapeYour goalPlan your staySuccess storiesOur service

Research in Germany

Germany is a top destination for PhD students, post-docs, and senior scientists. The website "Research in Germany" helps you to find your way to Germany, to seek for PhD positions, research jobs or funding opportunities. It describes the German research landscape and helps you plan your career and life in Germany. Welcome to Germany - the Land of Ideas!

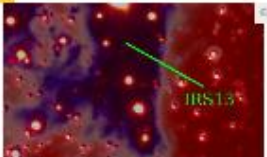


Your goal

- Bachelor or master
- PhD
- Postdoc
- Advanced research
- A research position

Current developments & news


Here you will find a selection of the latest R&D news from German universities, non-university research institutes and industrial research facilities.



Stellar fountain of youth with turbulent formation history in the centre of our galaxy

An unexpectedly high number of young stars has been identified in the direct vicinity of a supermassive black hole and water ice has been detected at the centre of our galaxy / publication in „The Astrophysical Journal“


Go to story article PM



ECG with a patch: APPLAUSE European collaborative project successfully completed

Researchers from Fraunhofer IZM, together with 35 partners from industry and research, have developed a stretchable and wireless patch that can be used to make it possible to conduct diagnostically relevant...

Go to story article PM



New Gaia release: cluster cores and unforeseen science

ESA's Gaia provides many new and improved insights into our galaxy and beyond with the release of five new data products. Among other findings, the mission reveals half a million new and faint stars in a massive...

Go to story article PM



Websites and databases

- www.research-in-germany.org
- www.funding-guide.de
- www.euraxess.de
- www.gerit.org
- www.higher-education-compass.de
- www.dfg.de/excellence_strategy



AN INITIATIVE OF THE



Federal Ministry
of Education
and Research

Research in
Germany

Land of Ideas

🌸🌺🌻 Meet us at our booth!





Thank you!

Anne Knab

(knab@daad.de)

AN INITIATIVE OF THE



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas