

DFG

# First contacts to the global research community with a well-paid PhD in Germany:

DFG Research Training Groups and other funding programs

Dr. Jörg Schneider  
German Research Foundation



# The German Research Foundation (DFG)

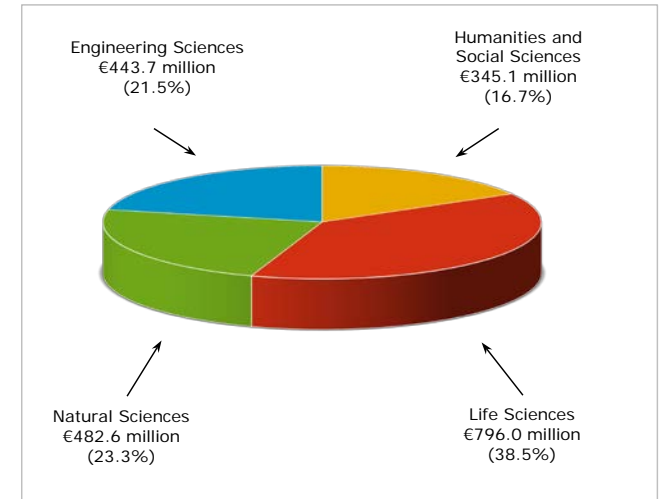
## Our organisation

The DFG is the largest **independent** research funding organisation in Germany.

It is an **association** under German private law.

It serves **all branches** of science and the humanities by **funding research projects** and facilitating cooperation among researchers.

It encourages the advancement and training of **early-career researchers**.



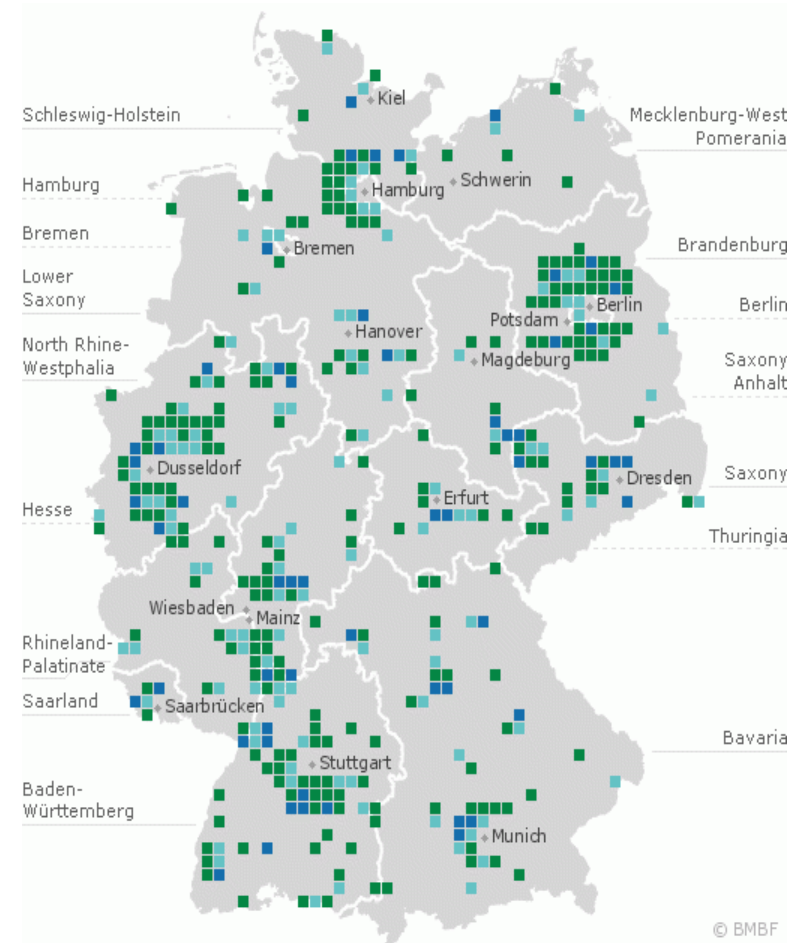
**Budget 2015 approx.  
2,8 billion EUR**



# The German University Landscape

- ▶ **111 universities** (88 public, 12 private, 11 catholic)
- ▶ **56 art and music colleges** (46 public, 2 private, 8 catholic)
- ▶ **225 universities of applied sciences** (105 public, 99 private, 21 catholic)
- ▶ **No tuition fees at public universities** (few exceptions). **No tuition at doctoral level!**
- ▶ **PhD is usually “paid”**

- colleges of art and music
- universities of applied sciences
- universities



# The German extra-university institutions



66 institutes

Fraunhofer Gesellschaft

43 institutes

www | ressort  
| forschung | de



18 institutes

92 institutes



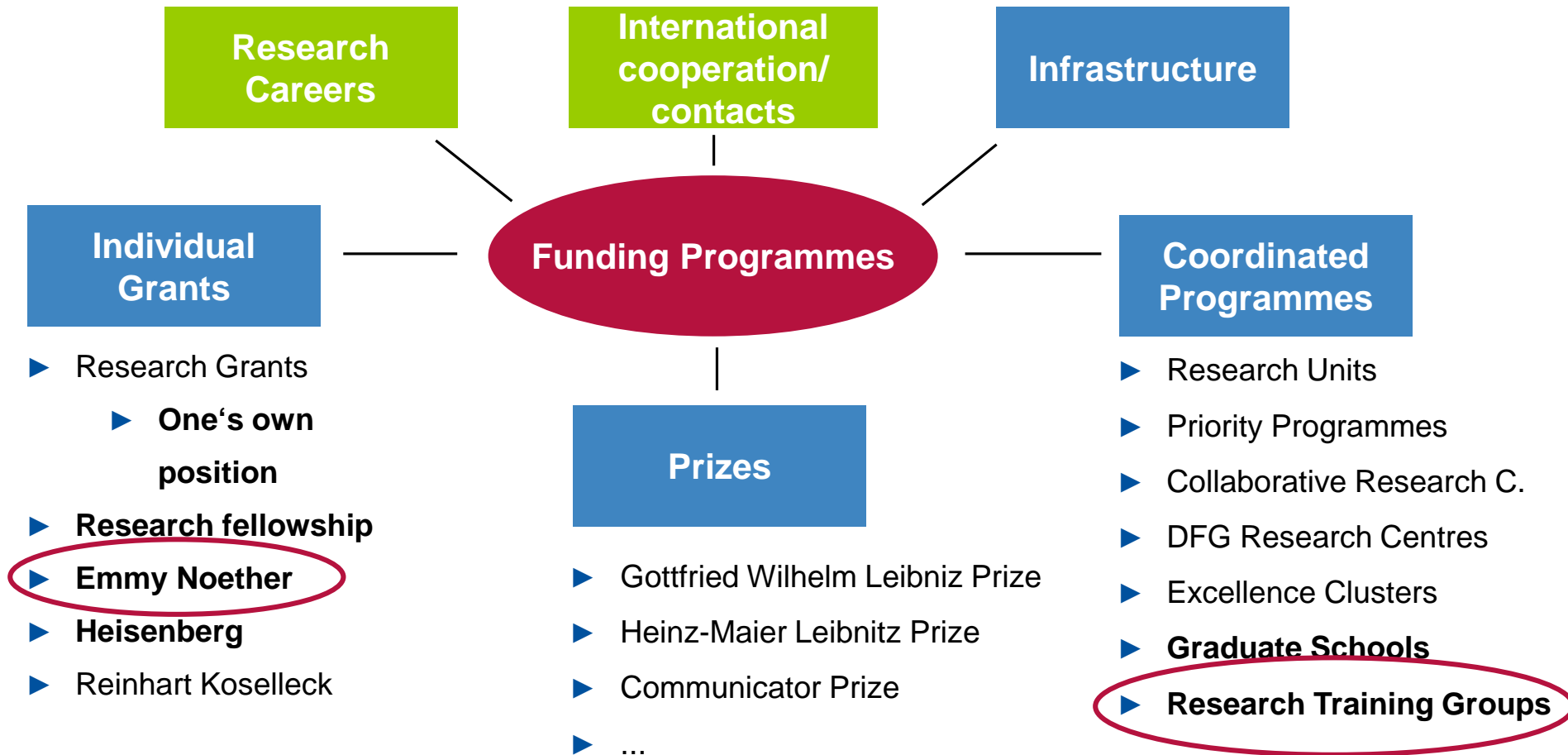
80 institutes

MAX-PLANCK-GESELLSCHAFT



# Funding Instruments

All open for researchers from abroad



# Science Career Development

## Aims

- ▶ Attract outstanding young researchers
- ▶ Provide talents with first class working conditions
- ▶ Pave the way to independent careers at an early stage

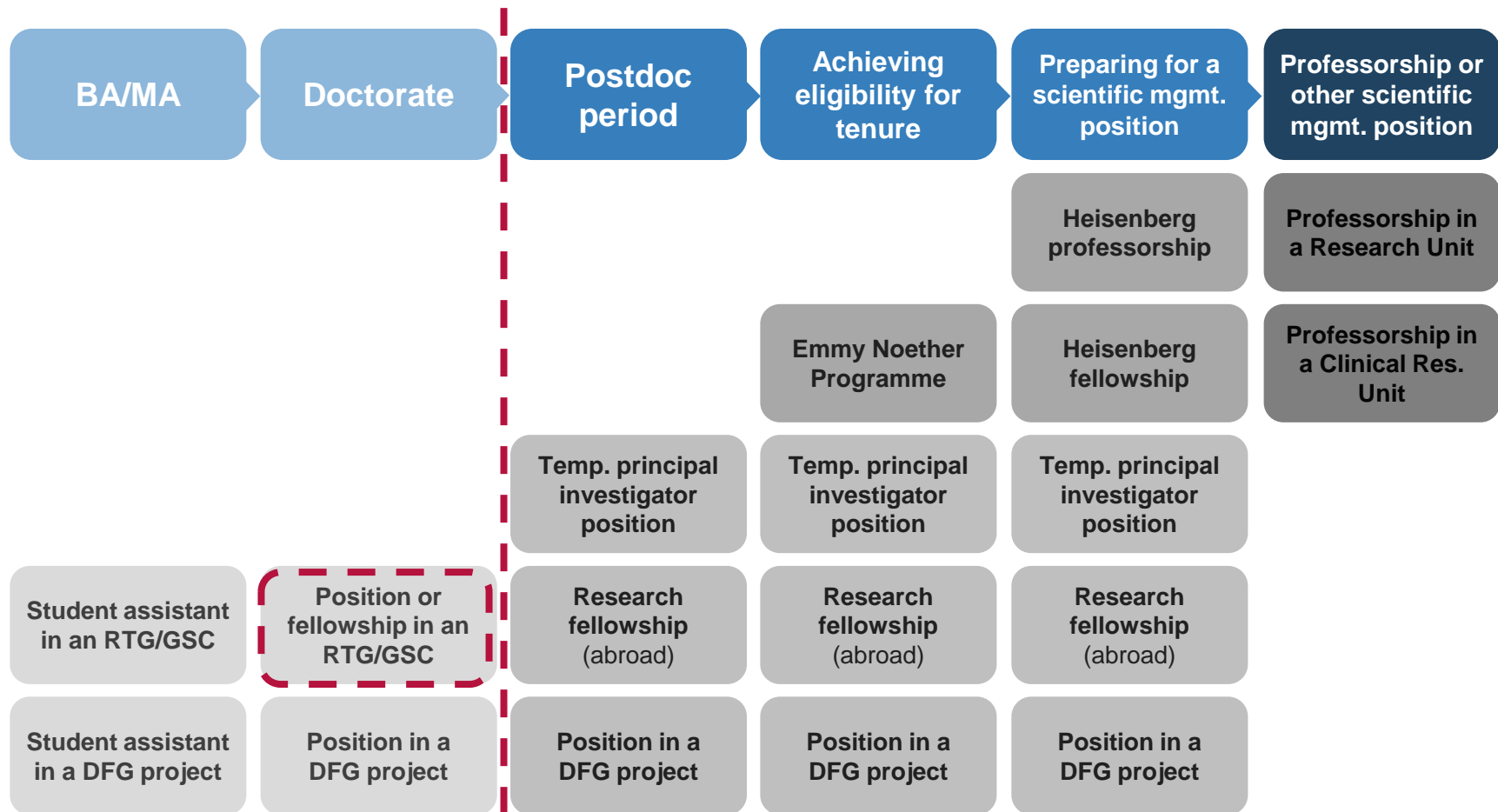
## Realisation

- ▶ Offer flexible funding instruments to meet the specific requirements of young researchers
- ▶ Induce beneficial structures within the research system
- ▶ Special attention to: scientific excellence, individual careers



# DFG Funding Opportunities

## For Early Career Researchers



# Research Training Groups (RTGs)

## Structured PhD training

- ▶ Thematically focused interdisciplinary research and study programs at universities
- ▶ 5-10 faculty; 10-15 PhD students; 1-2 PostDocs, selected undergraduates
- ▶ Regular supervision of PhD students; mentoring program
- ▶ Tailor-made study program; large scope for student initiatives, mobility period at universities abroad, conferences; summer schools
- ▶ Three-year stipends or positions for PhD candidates, open internationally
- ▶ Currently ca. 235 RTGs funded: [www.dfg.de/gk/en/](http://www.dfg.de/gk/en/)



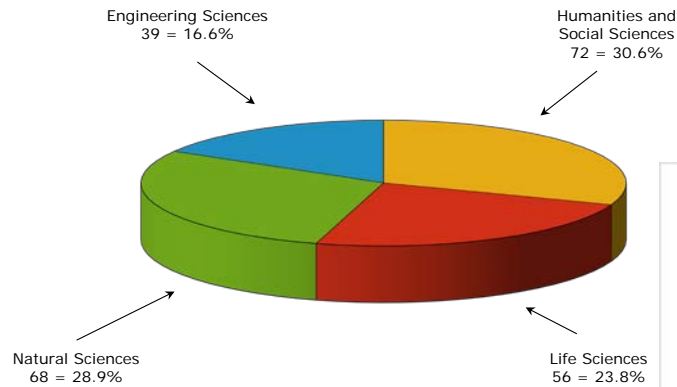


# The International Dimension of Research Training Groups

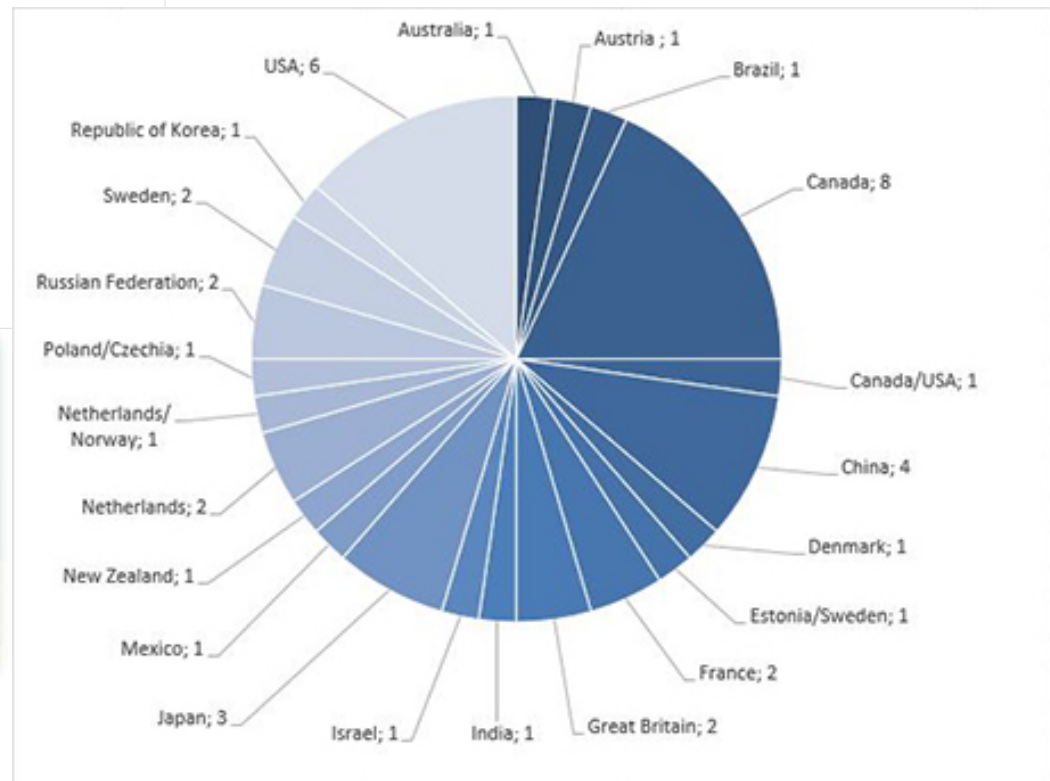
- ▶ International students are welcome to apply for fellowships:
  - ca. 30% international PhD students
  - over 40% international Postdocs
- ▶ Most RTGs offer their program in English
- ▶ International guest scientists
- ▶ Support for international exchange of senior and junior scientists
- ▶ Program variety: **International Research Training Groups**
  - Joint international research training at centers of excellence
  - Jointly proposed by a research group at a German university and a partner group at a university abroad
  - Joint research and study program
  - Joint supervision



# 235 Research Training Groups By scientific discipline (2015)



\* New and ongoing Research Units per year: 235



# International Research Training Groups

## Japan

- ▶ **Deep Earth Volatile Cycles**  
(IRTG 2156, U Bayreuth – U Tohoku)
- ▶ **Selectivity in Chemo- and Biokatalysis**  
(IRTG 1628, RWTH Aachen – U Osaka)
- ▶ **Mathematical Fluid Dynamics**  
(IRTG 1529, U Darmstadt – U Waseda)
- ▶ **Transformations of Civic Society. Japan and Germany in Comparative Perspective**  
(IRTG 1456, U Halle – U Tokyo; completed)
- ▶ **Complex Functional Systems in Chemistry: Design, Development and Applications**  
(IRTG 1143, U Münster – U Nagoya; completed)



*Matching funds by JSPS*

# Research Training Groups

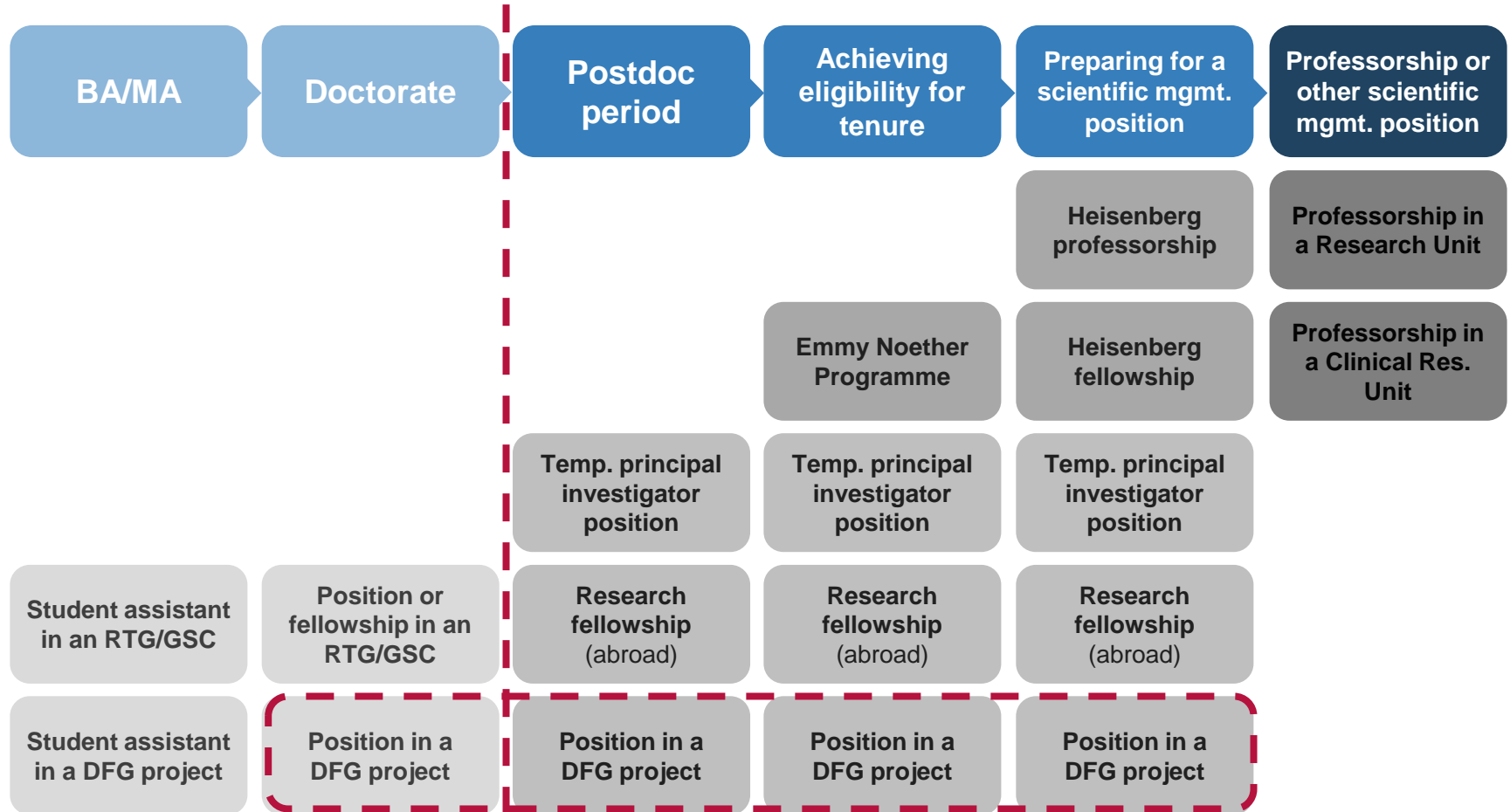
## Do your PhD under optimal conditions

- ▶ Who? **PhD students**  
(also positions for Postdocs!)
- ▶ Where? At a German university
- ▶ How long? For a maximum of 3 years
- ▶ How much? **Position** (approx. 5.275 €/ month before tax)  
or  
**Fellowship** (max. 1365 €/ month)  
+ lump sum for materials (103 €),  
+ childrens allowance (if applicable)
- ▶ How to apply? **To the RTG/IRTG**  
(list of RTGs: [www.dfg.de/gk](http://www.dfg.de/gk))



# DFG Funding Opportunities

## For Early Career Researchers



# Project based DFG funding

## Individual Grants Program

- ▶ The most flexible funding program

## Research Units

- ▶ Close, medium-term cooperation between several outstanding scientists in a special research project with the goal of achieving findings which extend beyond the scope of individual funding

## Priority Programs

- ▶ To advance knowledge in an emerging field of research through collaborative networked support over several locations

## Collaborative Research Centers

- ▶ Interdisciplinary centers of excellence at universities

## Excellence Initiative

- ▶ Clusters of Excellence & Graduate Schools

**... several thousand positions  
for young researchers  
in DFG funded projects  
→ positions are advertised by the  
Principle Investigators**

# Scientific Collaborator in a Research Project

Shared work, shared responsibility

- ▶ Who? **PhD students and Postdocs**
- ▶ Where? At a German research institute
- ▶ How long? Depends on project duration
- ▶ How much? **Salaried position**  
Share of consumables,  
personnel, equipment  
*or*  
**Fellowship** (in some Graduate Schools)
- ▶ How to apply? **Announcement of positions by PIs**



DFG

Have your own Research Group in Germany  
with DFG's Emmy Noether Program

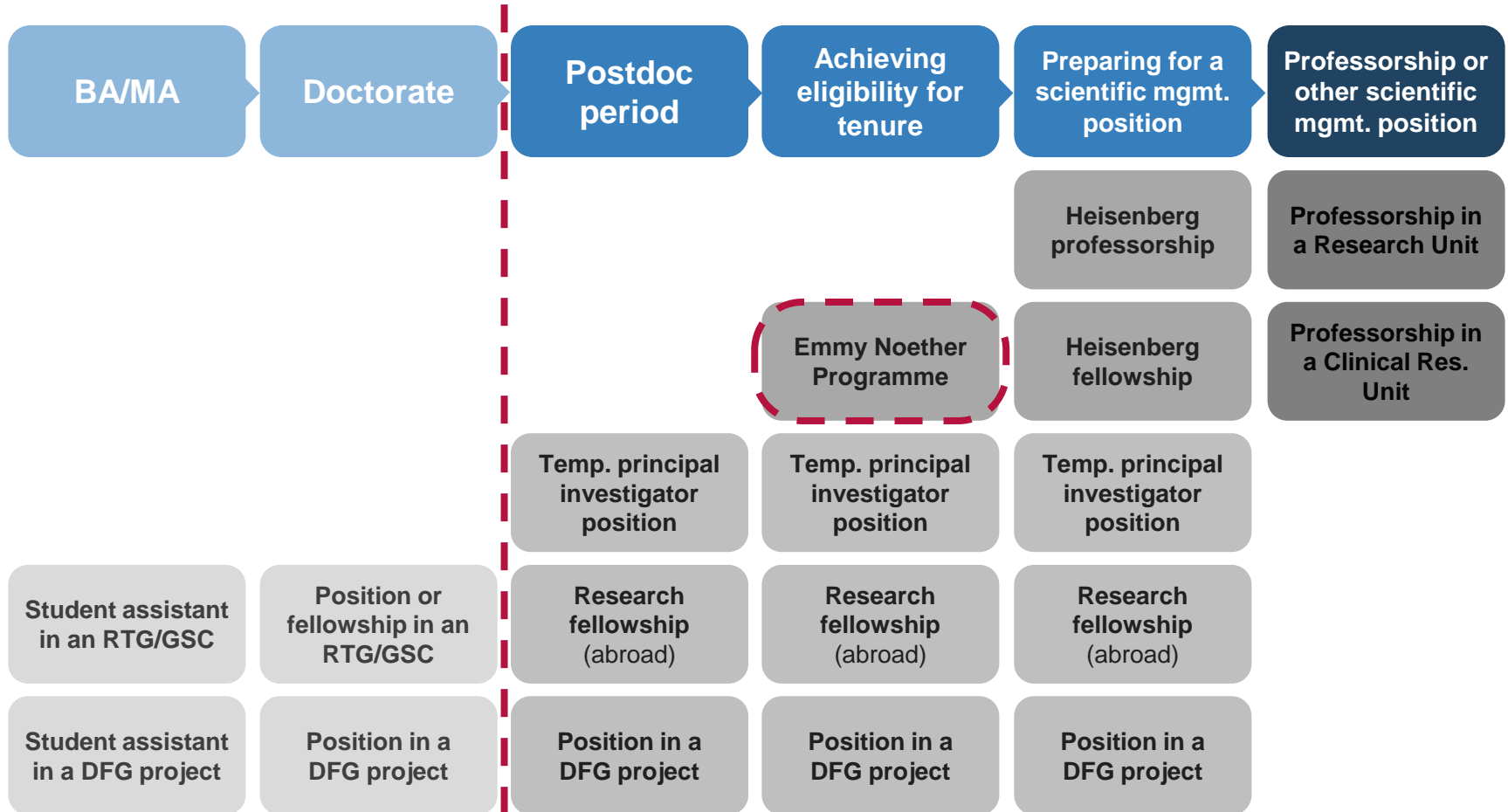


DFG



# DFG Funding Opportunities

## For Early Career Researchers



# Emmy Noether Program

## Purpose

- ▶ To allow researchers to achieve **early independence**
- ▶ To **(re-)attract** outstanding early career researchers from abroad
- ▶ to enable them to **qualify for a university teaching career** by leading their own independent junior research group

## Eligibility

- ▶ **Excellent scientific achievements**
- ▶ significant **international experience and visibility**
- ▶ **within two to four years** (six years for medicine) after obtaining their doctorates



[www.dfg.de/emmy\\_noether](http://www.dfg.de/emmy_noether)

# Emmy Noether Program

## Fast track to a professorship

- ▶ Who? **Very well qualified Postdocs**
- ▶ Where? At a German research institute (host becomes employer)
- ▶ How long? 5 years
- ▶ How much? **Salaried position** (approx. € 81.600 p.a. before tax)  
+ consumables,  
+ personnel,  
+ travel costs etc.
- ▶ How to apply? **To the DFG**



# Who is eligible for funding?

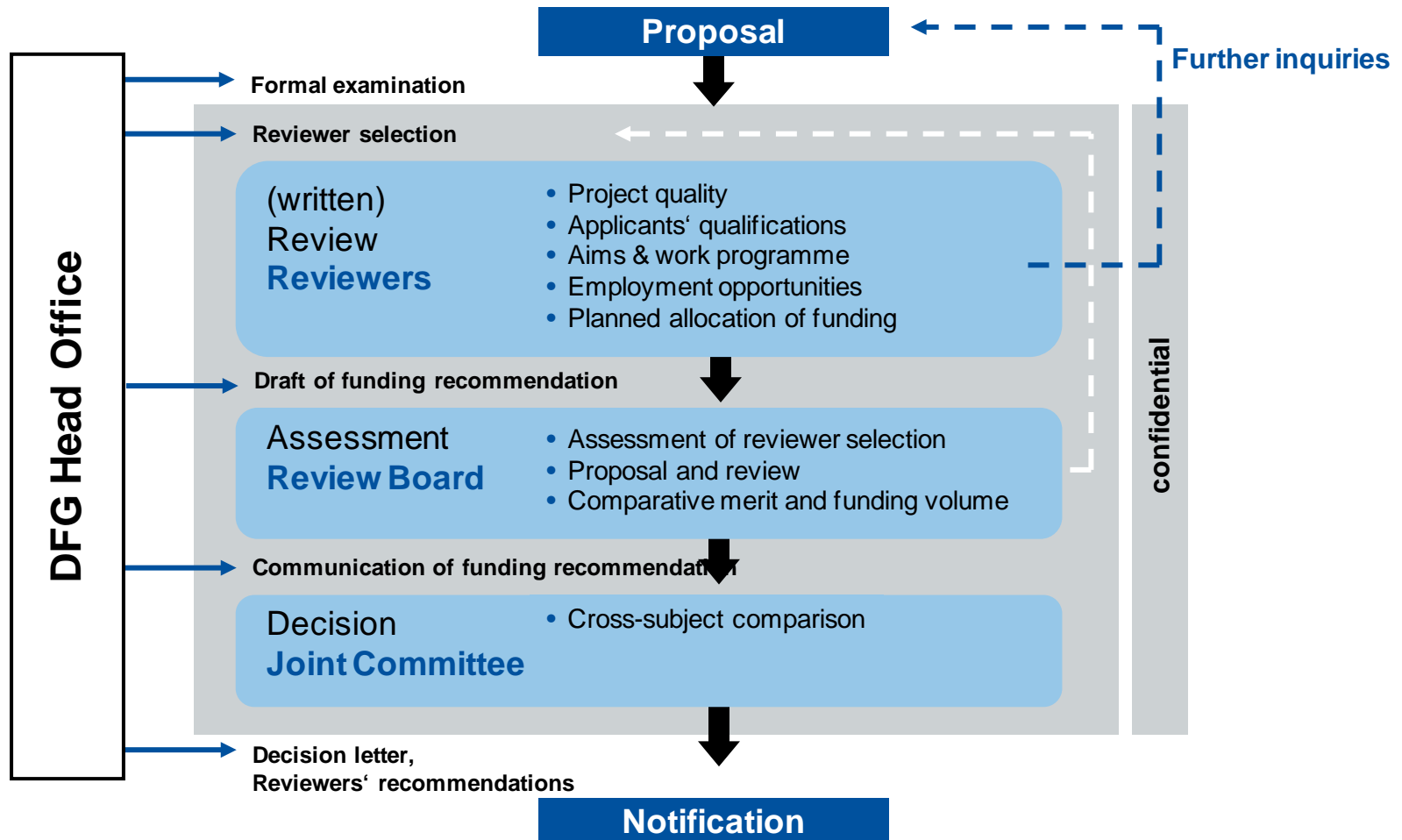
The main selection criteria include

- ▶ **applicants' scientific qualifications**
- ▶ **project quality** (originality, expected knowledge gain, etc.)
- ▶ **research objectives** and **work programme**
- ▶ **employment opportunities** and **scientific environment**
- ▶ **feasibility of the proposal with regard to funding and staffing resources**



# How are young researchers promoted?

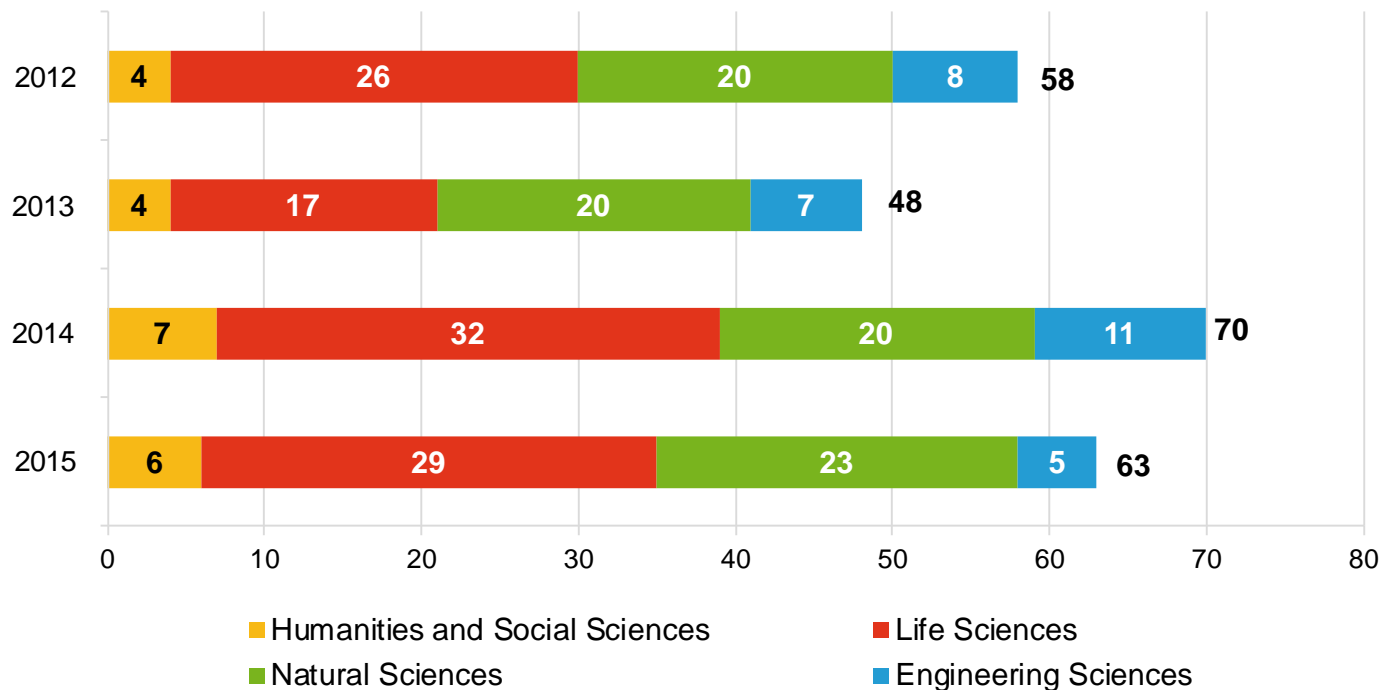
## According to a clear and transparent process



# DFG Funding Opportunities

## Emmy Noether Program

### Number of new Emmy Noether independent junior research groups by scientific discipline 2012 to 2015



In total 329 Emmy Noether Groups currently running (received 71.4 Mio. EUR in 2015)

# DFG Funding Opportunities

## Emmy Noether annual meetings



PhD or Postdoc in Germany / Dr. Jörg Schneider  
Japan, June 2017

# Research Explorer

www.dfg.de/rex



Developed in cooperation between:



Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service



Deutsche Forschungsgemeinschaft

- Homepage
- Map of Germany
- Subject-Area Search
- Advanced Search
- Tips and Advice
- Imprint and Contact

## Research Explorer

The research directory of the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) and of the German Academic Exchange Service (DAAD) in cooperation with the German Rectors' Conference (HRK).

The Research Explorer contains over 19,000 institutes at German universities and non-university research institutions, searchable by geographic location, subject and other structural criteria.

On the following pages, you have various options for using the Research Explorer for your queries. To get started, you can call it up by clicking on the list.

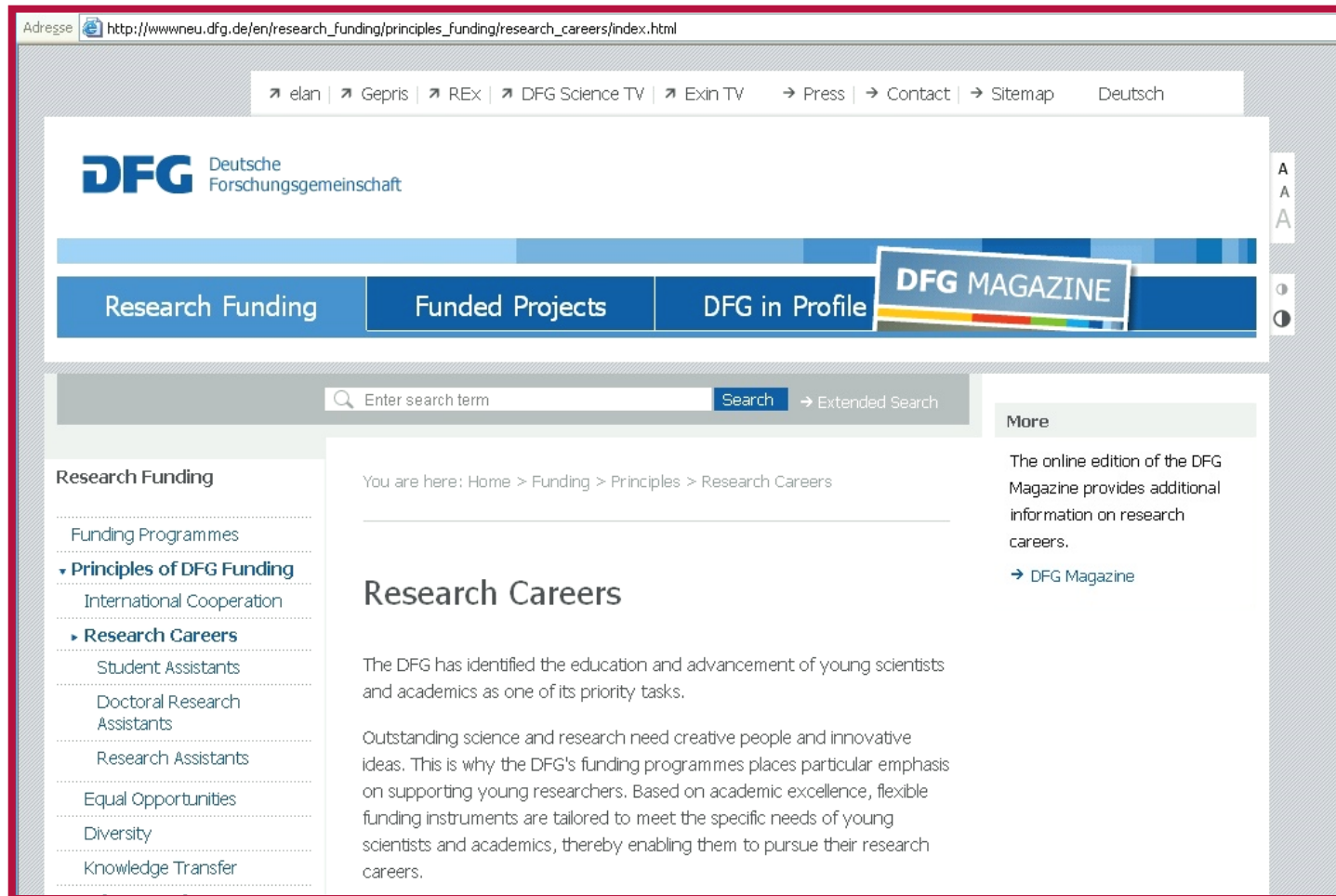


Town	Institutions
Aachen	20
Aalen	2
Alfter	1
Alt Ruppin	1
Amborg	1
Ansbach	1
Aachofenburg	1
Regensburg	4
Bad Harzburg	1
Bad Harmsdorf	1
Bad Münsterafeld	1
Bad Nauheim	1
Bad Seedorf/Altenhof	1
Bad Wurzach	1
Bakum	1
Bamberg	4
Bayreuth	8
Bonn/Leibniz	1
Bonn/Heimeran	1
Bergisch Gladbach	2
Berlin	152
Bielefeld	1
Biberach	1

PhD or Postdoc in Germany / Dr. Jörg Schneider  
Japan, June 2017



# The Research Careers-Area at www.dfg.de/en/research\_funding/research\_careers



The screenshot shows the DFG website's Research Careers page. At the top, there is a navigation bar with links for 'elan', 'Gepris', 'REX', 'DFG Science TV', 'Exin TV', 'Press', 'Contact', 'Sitemap', and 'Deutsch'. Below this is the DFG logo and the text 'Deutsche Forschungsgemeinschaft'. A horizontal menu contains 'Research Funding', 'Funded Projects', 'DFG in Profile', and 'DFG MAGAZINE'. A search bar is located below the menu, with the text 'Enter search term' and a 'Search' button. To the right of the search bar is a 'More' section with a link to 'DFG Magazine'. The main content area features a breadcrumb trail: 'You are here: Home > Funding > Principles > Research Careers'. The title 'Research Careers' is prominently displayed. The text below the title states: 'The DFG has identified the education and advancement of young scientists and academics as one of its priority tasks. Outstanding science and research need creative people and innovative ideas. This is why the DFG's funding programmes places particular emphasis on supporting young researchers. Based on academic excellence, flexible funding instruments are tailored to meet the specific needs of young scientists and academics, thereby enabling them to pursue their research careers.'

Adresse [http://wwwneu.dfg.de/en/research\\_funding/principles\\_funding/research\\_careers/index.html](http://wwwneu.dfg.de/en/research_funding/principles_funding/research_careers/index.html)

[elan](#) | [Gepris](#) | [REX](#) | [DFG Science TV](#) | [Exin TV](#) → [Press](#) | [Contact](#) | [Sitemap](#) [Deutsch](#)

**DFG** Deutsche Forschungsgemeinschaft

Research Funding | **Funded Projects** | DFG in Profile | DFG MAGAZINE

Enter search term  → [Extended Search](#)

**Research Funding**

- Funding Programmes
- ▾ **Principles of DFG Funding**
  - International Cooperation
  - **Research Careers**
    - Student Assistants
    - Doctoral Research Assistants
    - Research Assistants
  - Equal Opportunities
  - Diversity
  - Knowledge Transfer

**More**

The online edition of the DFG Magazine provides additional information on research careers.

→ [DFG Magazine](#)

You are here: [Home](#) > [Funding](#) > [Principles](#) > [Research Careers](#)

## Research Careers

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Outstanding science and research need creative people and innovative ideas. This is why the DFG's funding programmes places particular emphasis on supporting young researchers. Based on academic excellence, flexible funding instruments are tailored to meet the specific needs of young scientists and academics, thereby enabling them to pursue their research careers.

# For more Information

[www.dfg.de/en/research\\_funding/research\\_careers/](http://www.dfg.de/en/research_funding/research_careers/)

Overview of DFG funding programmes for young researchers

[www.dfg.de/en/research\\_funding/research\\_careers/first\\_proposal](http://www.dfg.de/en/research_funding/research_careers/first_proposal)

Useful tips and tricks for writing a grant proposal

[www.dfg.de/en/service/career\\_opportunities/positions\\_dfg\\_funded\\_projects/](http://www.dfg.de/en/service/career_opportunities/positions_dfg_funded_projects/)

Positions in DFG funded projects

[www.dfg.de/gepris](http://www.dfg.de/gepris)

Database on DFG funded projects

[www.dfg.de/rex](http://www.dfg.de/rex)

Research directory for Germany

If you have general questions about funding opportunities at DFG email to: [info-nachwuchs@dfg.de](mailto:info-nachwuchs@dfg.de)



Queries also  
in English

# Most important message „to take home“ today:

# DFG

[Saiki.Hase@dfg.de](mailto:Saiki.Hase@dfg.de)

Tel.: +81 (3) 3589 2508

[www.dfg.de/jp/index.jsp](http://www.dfg.de/jp/index.jsp)

