The German Research Landscape

Research in Europe – Your Next Career Destination!, 24 Sept. 2019, Lars Bergmeyer
Facts I Structures I Financing

Research in Germany
Pillars of the German research sector

Universities (HEIs)

Non-university research institutes

Industrial research

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Participants

- Universities
- Helmholtz Association
- Federal Institutions
- Max Planck Society
- Academies
- Research Infrastructures
- Länder Institutions
- Fraunhofer-Gesellschaft
- Leibniz Association

Industrial Research Associations (AiF)
Companies/Industrial Research
Networks and Clusters

Public funding
Private funding
Non-university research
## The Big Four

<table>
<thead>
<tr>
<th>Institution</th>
<th>Institutes</th>
<th>Budget</th>
<th>Staff total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Planck Society</td>
<td>84 institutes</td>
<td>1.9 bn euros</td>
<td>23,000</td>
</tr>
<tr>
<td>Helmholtz Association</td>
<td>18 research centres</td>
<td>4.5 bn euros</td>
<td>38,733 (staff in total)</td>
</tr>
<tr>
<td>Fraunhofer-Gesellschaft</td>
<td>69 institutes</td>
<td>2.4 bn euros</td>
<td>24,458 (staff in total)</td>
</tr>
<tr>
<td>Leibniz Association</td>
<td>91 institutes</td>
<td>1.7 bn euros</td>
<td>18,500</td>
</tr>
</tbody>
</table>

All 2017, Source: The German Research Landscape
Max Planck Society

84 institutes
1.9 bn euros
23,000
47% of the researchers are of international origin
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
91 institutes

1.7 bn euros

18,500

20% of the researchers are of international origin
Theoria cum praxi
Science for the benefit and good of humanity

- Natural, engineering and environmental sciences, economics, spatial and social sciences and humanities
- Knowledge transfer to policy-makers, academia, business and the public
- Scientific infrastructure, research-based services
- Archives, museums, national libraries
- ZBW: Leibniz Information Centre for Economics: world‘s largest (2.3 Mio available online, www.zbw.eu)
18 research centres
€ 4.5 bn euros
38,733 staff in total
7,500 of the researchers are of international origin (2014)
Shaping the future 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
- German Aerospace Centre, KIT, Research Centre Jülich
Fraunhofer-Gesellschaft

- 69 institutes
- €2.4 bn euros
- 24,458 staff
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%), largest in Europe
Sources of information
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
Need more information?

www.research-in-germany.org
Need more information?  
Brochures
Need more information?
Consultation

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Funding opportunities for mid career researchers
Funding for mid career researchers

Just a selection …

- DAAD research grants
- Humboldt research fellowships
- Max Planck grants
- Fraunhofer Grants
- …
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 April, 15 October)

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

www.funding-guide.de
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
Humboldt Research Fellowship for Experienced Researchers

In Brief

Long-term research project with an academic host in Germany

Who?

Senior researchers, no deadline

Duration?

6–18 months

Value?

Fellowship: 3,10 €/month + additional allowances

www.humboldt-foundation.de > Sponsorship
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

Value?
Grant + travel allowances

www.mpg.de/jobboard
International visiting scholars at Leibniz Institutes

In Brief
Research at a Leibniz Institute

Who?
Senior researchers

Duration?
Varies

Value?
Work contract or scholarship

www.leibniz-association.eu > Careers
In Brief

Establishment of a research group at a Fraunhofer Institute

Who?

Postdocs / Junior researchers
Senior researchers

Deadline: 23 March 2020

Duration?

5 years; continuation as self-sustaining group possible

Value?

Funding: up to 2.5 m €, incl. own position

http://s.fhg.de/attract
Thank you!

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