



Research in Germany

Study & Research in Germany with DAAD funding

Dr Susanne Rentzow-Vasu

DAAD
Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Research in
Germany

Land of Ideas



Who we are & what we do

The DAAD:

- is **the** German national agency for the support of international academic cooperation
- has 64 regional and local offices world-wide
- offers programmes & funding for students, faculty & researchers
- supports over 60,000 individuals per year
- DAAD Office in Singapore since 2005





DAAD network worldwide



Regional Offices (14)

Information Centres (IC) (50)



DAAD Funding

Research Grants for Doctoral Candidates and Young Academics

Duration: 1 to 10 months **OR** for full PhD up to 4 years

Value: € 795 (doctoral candidates), € 975 (doctoral candidates with at least two years' academic work experience)

Criteria: excellently-qualified Master degree holders, written confirmation of academic supervision by a professor in Germany, excellent research proposal

Application deadline: 15 October

Info: www.ic.daad.de/singapore



DAAD Funding

Re-invitation Programme for former Scholarship holders

Duration: 1 to 3 months

Value: up to € 2200 monthly allowance

Criteria: excellent research proposal, cooperation with German partners

Application deadline: 15 October & 15 April

Info: www.ic.daad.de/singapore



DAAD Funding

Bilateral Exchange of Academics (NUS & NTU)

Duration: up to 3 months

Value: DAAD will cover costs of stay in Germany; travel costs are to be paid by home university

Criteria: Applications are open to academics and scientists from Singapore and Germany who hold a doctorate and work at universities or university-related research institutes and would like to carry out joint research projects / research stays within the scope of the bilateral agreement between DAAD and NTU resp. NUS.

Application deadline: any time

Info: www.ic.daad.de/singapore



DAAD Funding

Short-term Research Stays for University Academics and Scientists

Duration: up to 3 months

Value: up to € 2200 monthly allowance & flat fee travel allowance

Criteria: Applications are open to excellently-qualified academics and scientists (PhD holders). Applicants must be working in higher education or at a research institute in Singapore. The application must provide proof of a workplace being provided at the chosen host institute in Germany.

Application deadline: 15 October & 15 April

Info: www.ic.daad.de/singapore



Further help and advice

as of 1 January 2011

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c/o TUM-Asia

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**Thank you
for your attention.**



German Research Institutions at a Glance



AN INITIATIVE OF THE

Federal Ministry
of Education
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Research in
Germany



Land of Ideas

www.research-in-germany.de



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Dear Readers,

Germany has a tradition of outstanding research and development. With research facilities that enjoy international prestige and a high degree of innovation, it is one of the top research locations in the world.

Germany offers a unique network of university and non-university research, which works closely together with industry and commerce. The interconnection of science and industry is consistently growing in strength and will help to ensure Germany's success on the global market.

These are exciting times for research in Germany. With initiatives like the "High-Tech Strategy" and the "Excellence Initiative", the Federal Government is investing more in research and development now than ever before and puts a strong focus on the internationalisation in key future sectors.



Highly qualified academics from all over the world find a warm welcome and excellent working conditions in our network of top-level research, which is nurtured by the international exchange of ideas and people.

This brochure has been designed to give you an overview of the major research institutions and research funding organisations in Germany.

At a glance, you will find the core data relating to the profiles, tasks and goals of these institutions. If you want to know more about any specific organisation or programme, the institutions presented here would be pleased to hear from you. Further contacts and background information can be found online at: www.research-in-germany.de.

Convinced of the quality of German research, I would like to invite you to come and spend some time doing research here. You will discover a friendly country at the heart of Europe which is justifiably proud of the broad cultural diversity it offers.

Yours sincerely,

Prof. Dr. Max G. Huber
Special delegate of the Federal
Government for the Promotion
of German Universities and German
Research Organisations abroad





Fraunhofer-Gesellschaft



Fraunhofer Gesellschaft

Research Organisation

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Organisational Structure:

Fraunhofer is a recognised non-profit organisation in the form of a registered association. Founded in 1949, it takes its name from Joseph von Fraunhofer (1787–1826), the illustrious Munich researcher, inventor and entrepreneur.

Objectives:

Fraunhofer research activities are application and results-oriented. The organisation pursues the implementation of innovative research findings in industrial and social applications. Its work is based on a dynamic balance between applied basic research and innovative development.



Profile:

Fraunhofer employs a staff of 13,000, mainly scientists and engineers, working in 56 institutes at 40 locations throughout Germany.

By developing technological innovations and novel systems solutions for their customers, the Fraunhofer Institutes help to reinforce the competitive strength of the economy in their region, throughout Germany and in Europe. Their research activities are aimed at promoting the economic development of our industrial society, with particular regard for social welfare and environmental compatibility.

As an employer, the Fraunhofer-Gesellschaft offers a platform that enables its staff to develop the necessary professional and personal skills that will enable them to assume positions of responsibility within their institute, in industry and in other scientific domains.

International:

Fraunhofer started to set up outposts in the world's major economic regions many years ago. Today, in addition to its European liaison offices, there are six Fraunhofer Centres in the USA and Representative Offices in Japan, China, Indonesia, Moscow and in the United Arab Emirates respectively. Fraunhofer is planning to open further international bases.





Helmholtz Association of German Research Centres



Research Organisation

Helmholtz-Gemeinschaft
Deutscher Forschungszentren
Anna-Louisa-Karsch-Str. 2
10178 Berlin, Germany
www.helmholtz.de

Contact:

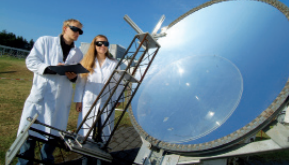
Berit Dannenberg
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berit.dannenberg@helmholtz.de

Year of Foundation:

Originally founded in 1970, renamed Helmholtz in 1995, restructured as a registered association in 2001.

Organisational Structure:

Registered association with 15 legally independent member centres throughout Germany.
Programme-oriented funding: Scientists develop research programmes for each of the research fields. The review of these programmes by international experts forms the basis for funding. The budget of 2.35 billion comes from the Federal Government (90%) and the Länder (10%). 30% of the budget takes the form of third party funding.
President: Prof. Dr. Jürgen Mlynek.



Functions and Objectives:

Helmholtz contributes to solving grand challenges which face society, science and industry by performing cutting-edge research in strategic programmes. Helmholtz researches systems of great complexity with its large-scale facilities and scientific infrastructure, cooperating closely with national and international partners. Helmholtz contributes to shaping our future by combining research and technology development with innovative applied and forward-planning perspectives.



Priorities:

Research fields: energy, earth and environment, health, key technologies, structure of matter, transport and space.

Number of Persons or Projects Supported:

26,500 staff working on 29 research programmes in 6 research fields.

Highlights:

- Large-scale facilities such as the Facility for Antiproton and Ion Research (FAIR), X-ray Free Electron Laser XFEL, Supercomputer JUGENE (Jülich Blue Gene)
- Talent management at all levels with the Tiny Tots Science Corner, School Labs Network, Helmholtz Graduate and Research Schools, Helmholtz Young Investigators Groups and the Helmholtz Management Academy
- Know-how and technology transfer with initiatives such as the Helmholtz Enterprise programme





Leibniz Association



**Leibniz
Association**

Research Organisation

Leibniz-Gemeinschaft
Eduard-Pflüger-Straße 55
53113 Bonn, Germany
www.leibniz-association.eu

Contact:

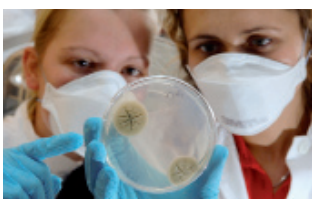
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Organisational Structure:

Association of more than 80 scientifically, legally and economically independent research institutes and service facilities.

Functions and Objectives:

Leibniz Institutes perform strategic and thematically oriented research and offer scientific service of national significance. They strive for scientific solutions for major social challenges. Leibniz Institutes foster close cooperations with universities, industry, and other research institutes, both in Germany and abroad.





Priorities:

Leibniz Institutes contribute to clusters of excellence in fields such as Mathematics, Optical Technologies, Materials Research, Medicine, Climate and Environmental Research, Bio- and Nanotechnology as well as humanities, economics and social sciences.



This umbrella organisation coordinates the mutual interests of the associate institutes, and represents them in public.

Number of Persons or Projects Supported:

13,700 employees (5,700 academics);
the institutes are funded by both the Federal Government and the German Länder.

Highlights:

- A unique system of quality management: In a regular, independent and consequent peer review process, every institute is assessed externally by independent experts at least every seven years.
- Eight “research museums” within the Leibniz association combine the highest of scientific standards with modern presentations to the general public in fields such as natural history, cultural heritage or maritime history.
- Leibniz institutes offer independent scientific policy advice to the highest levels of government, ministries and society in the fields of economics, climate change, education, sustainability etc.





Max Planck Society for the Advancement of Science



MAX-PLANCK-GESELLSCHAFT

Research Organisation

Max-Planck-Gesellschaft zur
Förderung der Wissenschaften
e.V. (MPG)
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Year of Foundation:

The Max Planck Society was founded in 1948 to succeed the Kaiser Wilhelm Society, which was founded in 1911.

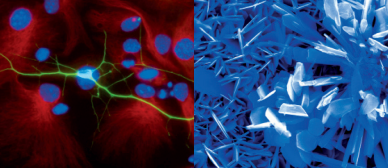
Organisational Structure:

The Max Planck Society is a non-profit organisation under private law in the form of a registered association.

Functions and Objectives:

The primary goal of the Max Planck Society is to promote cutting-edge research at its own research institutes.





Priorities:

The research institutes of the Max Planck Society perform basic research to the highest standard in the public interest in the fields of natural sciences, life sciences, social sciences, and the humanities. In particular, the Max Planck Society takes up new and innovative research in areas that German universities are not in a position to accommodate or deal with adequately.

Number of Persons or Projects Supported:

In the 77 institutes, research centres, laboratories and project groups of the Max Planck Society there are approx. 12,600 staff members, including around 4,400 scientists and scholars. In 2006 there were also around 11,300 doctoral candidates, postdoctoral fellows and guest scientists and scholars.

Highlights:

- 17 Nobel laureates since 1948
- more than 12,800 scientific publications in 2006 (57 in *nature*, 48 in *Science* = one third of all German publications in these journals)
- ISI (Institute of Scientific Information) list of most cited scientists includes 35 researchers of the Max Planck Society





Alexander von Humboldt Foundation



Alexander von Humboldt
Stiftung / Foundation

Research Funding Organisation

Alexander von Humboldt-
Stiftung (AvH)
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53173 Bonn, Germany

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Year of Foundation:

1953

Organisational Structure:

Non-profit foundation

Functions and Objectives:

The Alexander von Humboldt Foundation promotes academic cooperation between excellent scientists and scholars from abroad and from Germany. The research fellowships and research awards allow scientists and scholars to come to Germany to work on a research project they have chosen themselves together with a host and collaborative partner. Scientists or scholars from Germany can also profit from the support and carry out a research project abroad as a guest of one of about 23,000 Humboldt Foundation alumni worldwide.



Priorities:

The Alexander von Humboldt Foundation is an independent and impartial organisation. Its programmes are open to applicants from all countries and all academic disciplines at different career stages.



Number of Persons or Projects Supported:

- more than 1,800 researchers from all over the world annually

Highlights:

- “Once a Humboldtian, always a Humboldtian”: initial sponsorship is followed by life-long contacts
- Alumni sponsorship includes: funding for additional subsequent research stays in Germany, support for attending academic conferences, printing costs, and alumni meetings abroad
- active worldwide network of more than 23,000 fellows from all disciplines in 130 countries
- 40 Humboldtians received Nobel Prizes





German Academic Exchange Service

DAAD

Deutscher Akademischer Austausch Dienst
German Academic Exchange Service

Research Funding Organisation

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Year of Foundation:

Founded in 1925 in Heidelberg, initially with a special focus on German-American exchange.
1950 formal re-establishment after World War II.

Organisational Structure:

The DAAD is a registered association under private law; its full members are, by application, the higher education institutions represented in the German Rectors' Conference (Hochschulrektorenkonferenz) and their student bodies. The head office is located in Bonn.
14 regional offices are located all over the world, plus a large number of information centres.



Functions and Objectives:

In the field of international academic cooperation, the DAAD fulfils responsibilities in foreign cultural and academic policy with the prime objective of the internationalisation of research, teaching and studies.

Priorities:

The DAAD awards individual scholarships to foreign and German students, student trainees and interns, graduates, academics, scientists, artists and administrators. In principle, more than 200 different funding programmes are open in both directions to all countries of the world and to all disciplines. Moreover, the DAAD aims to increase the international appeal of Germany's higher education institutions and research institutions and raise interest in German language and culture abroad. Another task is to promote the academic, scientific, economic and democratic advancement of developing countries.

Number of Persons or Projects Supported:

In 2006, the DAAD funded some 55,000 individuals, among them about 34,000 foreign students, researchers and scientists.

Highlights:

The DAAD is the world's largest organisation for the promotion of international academic exchange and scientific cooperation.



Research Funding Organisation

Deutsche
Forschungsgemeinschaft (DFG)
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www.dfg.de

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Year of Foundation:

In 1952, the “Notgemeinschaft der Wissenschaft” of 1920 merged with the “Deutscher Forschungsrat” to form the German Research Foundation (DFG).

Organisational Structure:

The DFG is an association under private law. Its members are German universities and non-university research institutions.

Functions and Objectives:

The DFG is the self-governing body of the German scientific community serving all branches of science and the humanities by funding research projects and facilitating cooperation among researchers.



Priorities:

The DFG is devoted to promoting young scientists and to fostering international collaboration and transfer in all its programmes.

Number of Grants Given:

Currently the DFG supports some 20,000 projects.

Highlights:

The DFG portfolio of programmes offers various possibilities of funding for both individual researchers and groups of researchers in coordinated programmes. Not only German nationals, but also researchers from abroad can be funded by the DFG.

The “Heisenberg Programme”, the “Emmy Noether Programme” and “Temporary Positions for Principal Investigators” offer young researchers the best opportunities for early independence.

Within the coordinated programmes the “DFG Research Centres” are an important strategic funding instrument.

The “Collaborative Research Centres” are long-term university research centres focussing on one cross-disciplinary theme.

Excellent research training for PhD students is offered within the “Research Training Groups” and – with joint doctoral training between a German group and a group at a university in a partner country – the “International Research Training Groups”.

In 2006/07 the Excellence Initiative – funded by the Federal State of Germany and the Länder – introduced the new funding lines of “Clusters of Excellence” and “Graduate Schools”.





German Rectors' Conference

HRK German Rectors' Conference
The Voice of the Universities

Representing German Universities

Hochschulrektorenkonferenz (HRK)

Ahrstr. 39

53175 Bonn, Germany

www.hrk.de

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post@hrk.de

Year of foundation:

1949 as the West German Rectors' Conference (WRK), renamed Hochschulrektorenkonferenz (HRK) in 1990 after reunification.

Organisational Structure:

The HRK is a private association of state and state-recognised universities and other higher education institutions in Germany. It currently has 259 member institutions at which around 98 per cent of all students in Germany are registered.

Functions and Objectives:

As the essential voice of the universities, the HRK is promoting and supporting one of the best higher education systems in the world. The highly differentiated science and research system consists of 372 higher education institutions, of which 123 are universities and equivalent institutions



plus 197 universities of applied sciences (Fachhochschulen). 46 higher education institutions are particularly strong in research.

Priorities:

In the HRK, member institutions cooperate on all questions relating to the fulfilment of their responsibilities in research, teaching and studies, continuing training, technology and knowledge transfer, international cooperation and academic self-government. The opinion-making process within the HRK leads to recommendations and statements. In publishing these, the HRK ensures that the voice is heard in public discussions.



Areas of Activity:

The HRK concentrates its international activities in the following areas:

- Information
- Coordination and cooperation
- International Counselling
- Supporting German higher education institutions in their internationalisation activities



Highlights:

Information on all German higher education institutions, their degree programmes, international cooperation agreements and more can be found at the HRK database www.higher-education-compass.de. You also may run specific queries (language of instruction, international study course, etc.).

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**Research in
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