What You Can Expect

German Research Landscape
- The Big Picture
- Research Performing Organizations
- Universities

DFG – German Research Foundation
- Structure (Who we are)
- Funding Programs (What we do)
- Funding Opportunities
A Different Kind of Stimulus

Three initiatives by the German federal government to receive an additional 18 bill. € until 2019

► Excellence Initiative
  2.7 bill. € from 2012 to 2017

► Initiative for Research and Innovation
  budgets of the 5 largest research organizations to be increased by 5 % annually

► Higher Education Pact
  6.4 bill. € to enable universities to admit 275,000 additional new students
  1.5 bill. € for basic equipment at universities (to be distributed by DFG)
  funding per student to be increased by 18 %
German Research Landscape: The Big Picture

Research Performing Organisations

approx. 750 public-funded research institutions
about 130 research networks and clusters

506,000 staff in R&D
299,000 scientists and scholars

Gross Domestic Expenditure on Research and Development (GERD): approx. 2.8% of GDP

approx. **80 billion euros (2009)**
a little over two thirds of which is provided by industry
approx. 750 public-funded research institutions
about 130 research networks and clusters

506,000 staff in R&D
299,000 scientists and scholars

Gross Domestic Expenditure on Research and Development (GERD): approx. 2.77% of GDP

approx. 80 billion euros (2009)
a little over two thirds of which is provided by industry
German Research Landscape: Research Performing Organisations

Helmholtz Association of German Research Centres
16 research centres
approx. 28,000 staff; approx. 9,000 scientists and 4,500 visiting scientists
international collaborative research projects in Europe, America and Asia
annual budget: approx. **2.9 billion euro**

Leibniz Association
86 institutes; conducting research or providing scientific infrastructure
14,000 total staff; 6,500 scientists
annual budget: approx. **1.3 billion euro**

Fraunhofer-Gesellschaft
more than 80 research facilities, including 59 Fraunhofer Institutes, at different locations in Germany
17,000 staff, majority are scientists and engineers
research centres and representative offices in: Europe, USA, Asia and in the Middle East
annual budget: approx. **1.5 billion euro**

Max Planck Society
80 research institutes, 4 institutes and one branch abroad
13,300 staff, including 4,800 scientists and 7,000 student assistants
annual budget: approx. **1.3 billion euro**
University Research

410 universities
(including 144 research universities which award doctorates, 203 universities of applied sciences and 51 art academies)

537,335 staff in total, 184,797 scientists;
2,025,307 students in total, 239,143 foreign students

annual overall budget:
approx. 9.2 billion euro a year
82% public
14% industry
4% international
Welcome to Research in Germany

Research News
- 1/27/11 - Gay-Lussac Humboldt Prize for Volker Schomerus
- 1/27/11 - International Coordination in Marine Sciences
- 1/27/11 - T-Shirts Replace Batteries

More News

Video of the week: "E=mc2"
Einstein's famous formula! EinSteinchen explains that energy can turn into mass, while mass can likewise be converted into energy. This second process, for example, constantly occurs in our sun.

Watch the Video

Humanities and Social Sciences: Anneliese Maier Award
The Alexander von Humboldt Foundation is granting a new collaboration award to promote the internationalisation of the humanities and social sciences in Germany. Each year, the Foundation will present the Anneliese Maier Award to up to five outstanding researchers from abroad. Nominations for the first Anneliese Maier Awards must be submitted by 31 May 2011.

Where to Look: www.research-in-germany.de
What You Can Expect

German Research Landscape
► The Big Picture
► Research Performing Organizations
► Universities

DFG – German Research Foundation
► Structure (Who we are)
► Funding Programs (What we do)
► Funding Opportunities
Who We Are and What We Do

- DFG is the central public funding organization for science and basic academic research in Germany (largest in Europe)
- serving all branches of science and the humanities
- promoting academic excellence on a competitive basis by independent multi-tiered peer review
- with a special focus on supporting young academics
- promoting international research cooperation
- fostering links between science and industry
Internationality is a Pattern of All Programs

All programs are open for international applicants and international collaboration:

- international applicants to all programs have to be based in Germany and intend to carry out their research there
- funding for the initiation and the enhancement of international collaboration (travel costs, preparatory visits, bilateral symposia)
- bilateral research projects
- integration of research groups abroad into coordinated German programs
- International Research Training Groups
To initiate and enhance scientific collaboration between researchers in Germany and abroad

- choice of combination of different modules (preparatory visits, research stays, bilateral events)
- funding period: up to one year for any combination of modules
- German coordinator submits proposal for all modules
- 2 to 3 months from submission of proposal to decision
Mercator Visiting Professorship Program

To offer distinguished international researchers of all disciplines an extensive stay at a German university

► **Funding**
  - professor's salary
  - travel expenses (to, from and within Germany; conference fees)
  - lump sum for consumables and staff
  - funding period: 3 – 12 months

► **Eligibility**
  - distinguished researchers
  - invitation/application through German host university

► **Requirements**
  - application must relate to focal points in the host university's research profile
  - professor is expected to contribute to:
    - joint research project(s)
    - research-related educational activities
    - graduate research training at the respective university department
To provide young researchers of all disciplines with the opportunity to conduct a research project independently at an early stage in their careers

► **Funding**

- postdoc salary €3,000 – €4,400 ($4,050 – $5,940) per month plus everything needed for the project
- costs for project (some staff, supplies, travel, scientific instruments)
- funding period: 3 years (max. 6 years)

► **Eligibility**

- doctorate

► **Requirements**

- excellent qualifications of applicant
- excellent research project
- contact to host institution established
  - host institution agreement
  - recommendation from researcher at host institution
Emmy Noether Program

To enable outstanding postdocs of all disciplines to qualify for a university career
To encourage outstanding postdocs abroad to come to Germany

► **Funding**
  
  - for Independent Junior Research Group (including group leader position for the applicant, personnel, supplies, travel, scientific instruments)
  - funding period: 5 years (rare exception: 6 years)
  - if applicant is appointed professor during the course of the fellowship, funding of the research group continues

► **Eligibility**
  
  - doctorate (max. time after completion 4 years; MDs 6 years)
  - min. 2 years' postdoctoral experience

► **Additional Program Options**
  
  - spend a portion of the grant period in an industrial environment
  - integration of Emmy Noether group into (Clinical) Research Unit
  - integration of Emmy Noether group into Collaborative Research Center
NIH/DFG Research Career Transition Awards Program

- funding for German postdocs* for a consecutive period of 5 – 6 years
- basic research or clinical research
- structured mentoring and research program

Phase I:
Postdoc at NIH Institute (2-3 years, funding by NIH)

Phase II:
Researcher's Position (or new proposal to Emmy Noether Program) (2-3 years, funding by DFG)

* doctorate within 4 years prior to proposal submission. MDs 6 years.
Heisenberg Program

To provide outstanding researchers of all disciplines with the opportunity to prepare for a leading position in science and research

► Funding

- €5,059 ($6,829) per month for the professorship and €4,450 ($6,007.50) per month for the fellowship plus lump sum for project plus everything needed for the project
- funding period: 5 years max.

► Eligibility

- young researchers who have the qualifications for a professorship

► Proposal Deadlines

- proposals may be submitted at any time
Rotational Positions for MDs

To provide a substitute clinician for MDs who want to work on a research project.

► **Funding**
  - salary for substitute clinician (part time possible)
  - funding period: up to 3 years

► **Eligibility**
  - clinician with doctorate
  - eligible programs: Individual Grants Program, Collaborative Research Center, Research Unit, Clinical Research Unit

► **Requirements**
  - excellent project
  - employer's consent
Thank you very much for your attention!

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