

Deutsche Forschungsgemeinschaft

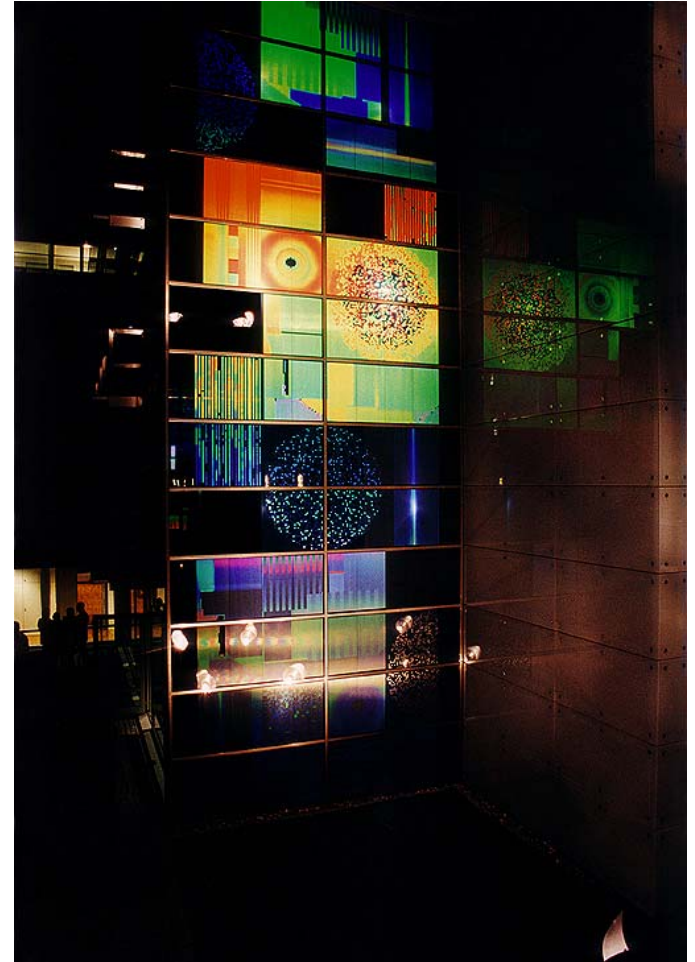
„Junge Anästhesie“

**Wissenschaftlicher Nachwuchs in
der Anästhesie – Quo Vadis?**

Die Sicht der Wissenschaftspolitik

Dr. Katharina Hein

DGAI, Hamburg, 6. Mai 2007



Agenda

Research funding by the German Research Foundation /DFG

- > funding of research in medicine
 - > single grants and cooperative programmes
 - > funding of basic research and clinical research
 - > funding of research in anesthesiology
- > funding of positions - tenure track and „gerok“ positions
- > which scientific fields are funded
- > national versus european research funding
- > tips and web adress

The German Research Foundation



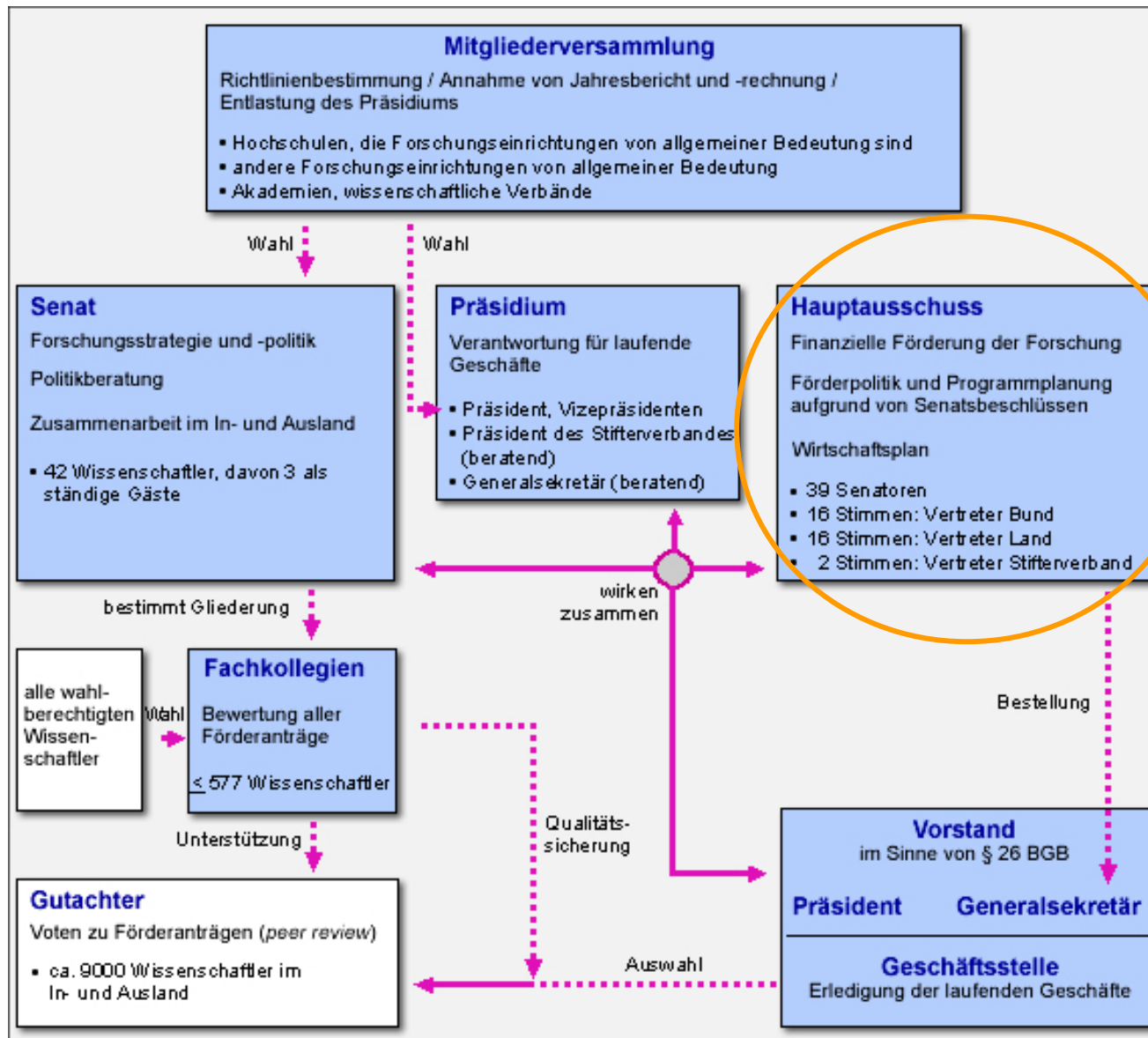
Who We Are

- **central public funding organisation for academic research in Germany**

What We Do

- **promote excellence in science on a competitive basis**
- **serve science and the humanities in all fields**
- **advise parliaments and public authorities on research questions**
- **support the advancement and education of young researchers**
- **encourage international research cooperation**
- **foster links between science and industry**

the structure of the DFG



funding programmms

- **individual grants**
 - individual grant / phase I - II Clinical Study
 - phase III Clinical Study
- **coordinated programmms:**
 - Research Training Groups / GRK
 - Clinical Research Group, Research Group / KFO, FOR
 - Priority Programms / SPP
 - Collaborative Research Centres / SFB
 - Exzellece Initiative

individual grant

who?

- one or more scientists

what?

- an individual scientific project
- **a clinical study (phase I or II)**

how long?

- up to 3 years

how much?

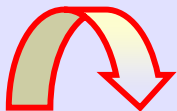
- positions for PhDs, postdocs or technical assistance
- lab material, machines
- congresses
- publications

why a special programm Clinical Studies by DFG - BMBF ?

- so far only little funding possibility for clinical, multicenter studies, independend from industry !
- initiative of both organisations for patient-orientated clinical research started in 2003
- goal: enhancing quality and acceptance of clinical studies in the scientific publicity

longterm goal:

„Normalverfahren“ for multicenter studies?



funding programmes

- **individual grants**
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- **coordinated programmes**
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Clinical Research Units / KFO

25 centres funded in medicine, 2 funded in anaesthesiology



who?

- one spokesman, ca. 6-8 projects

what?

- excellent scientific programme
- basic and clinical research
- coherent concept

where?

- one university

how long?

- 2 x 3 years

how much?

- W2/C3, PhD, postdoc, ... positions,
- co-financed by the DFG and the respective university

- > **generating structures for institutionalisation of clinical science and research in Germany**
- > **two-step review process**

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direct funding of positions for young researcher

- Research Fellowships
- Temporary Positions
- NIH/DFG Research Career Transition Awards Programme
- Emmy Noether Programme
- Heisenberg Programme

Research Fellowship

work abroad under the supervision of a qualified researcher
learn new methods, concentrate on research

- who?**
 - **postdocs, direct proposal to the DFG**
- where?**
 - **whole world**
- how long?**
 - **max. 2 years**
- how much?**
 - **Stipendiengrundbetrag:
max. €1.467,-**
 - **Familienzuschlag**
 - **Auslandszuschlag:
z.B. USA: €1.245,12**
 - **auf Antrag (Kongress-)Reisen
nach Deutschland
(für Auslandsstipendien)**
 - **new: 6 months fellowship to return!**

Temporary Positions for Principal Investigators

offers an attractive alternative to the research fellowship at home

who?

- Postdocs (usually 6 year after PhD or medical doctor), direct proposal to the DFG

where?

- **germany** (university or research insitute)

how long?

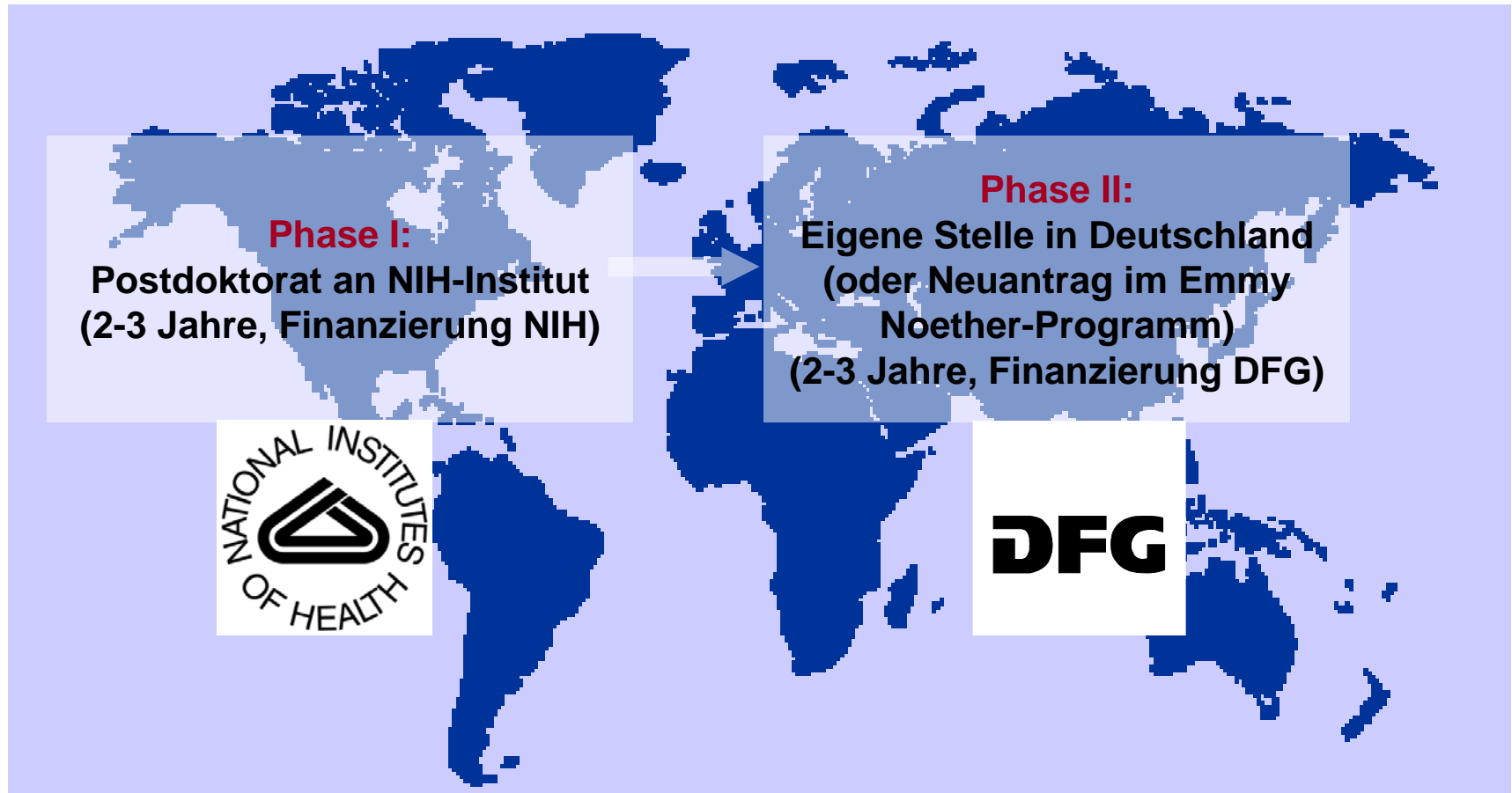
- 2 (+ 1) years

how much?

- BAT IIa-position (TvÖD / TV-Ä)
- lab material
- additional positions
- congresses

NIH/DFG Research Career Transition Awards Program

- **5 – 6 jährige Förderung für deutsche Postdocs***
- **Grundlagenforschung oder Klinische Forschung**
- **Strukturiertes Forschungsprogramm**



•höchstens 4 Jahre nach Beendigung der Promotion; bei Fragen: tobias.grimm@dfg.de

Emmy Noether Programme

to start an independent research group



who?

- Postdocs, direct proposal to the DFG
- 2 - 4 years after medical doctor or PhD (exception: 6 years)
- significant international scientific experience and international cooperations

where?

- germany

how long?

- ca. 5 years
- evaluation after 3 years

how much?

- own position (BAT Ia)
- additional positions
- lab material
- machines
- congresses

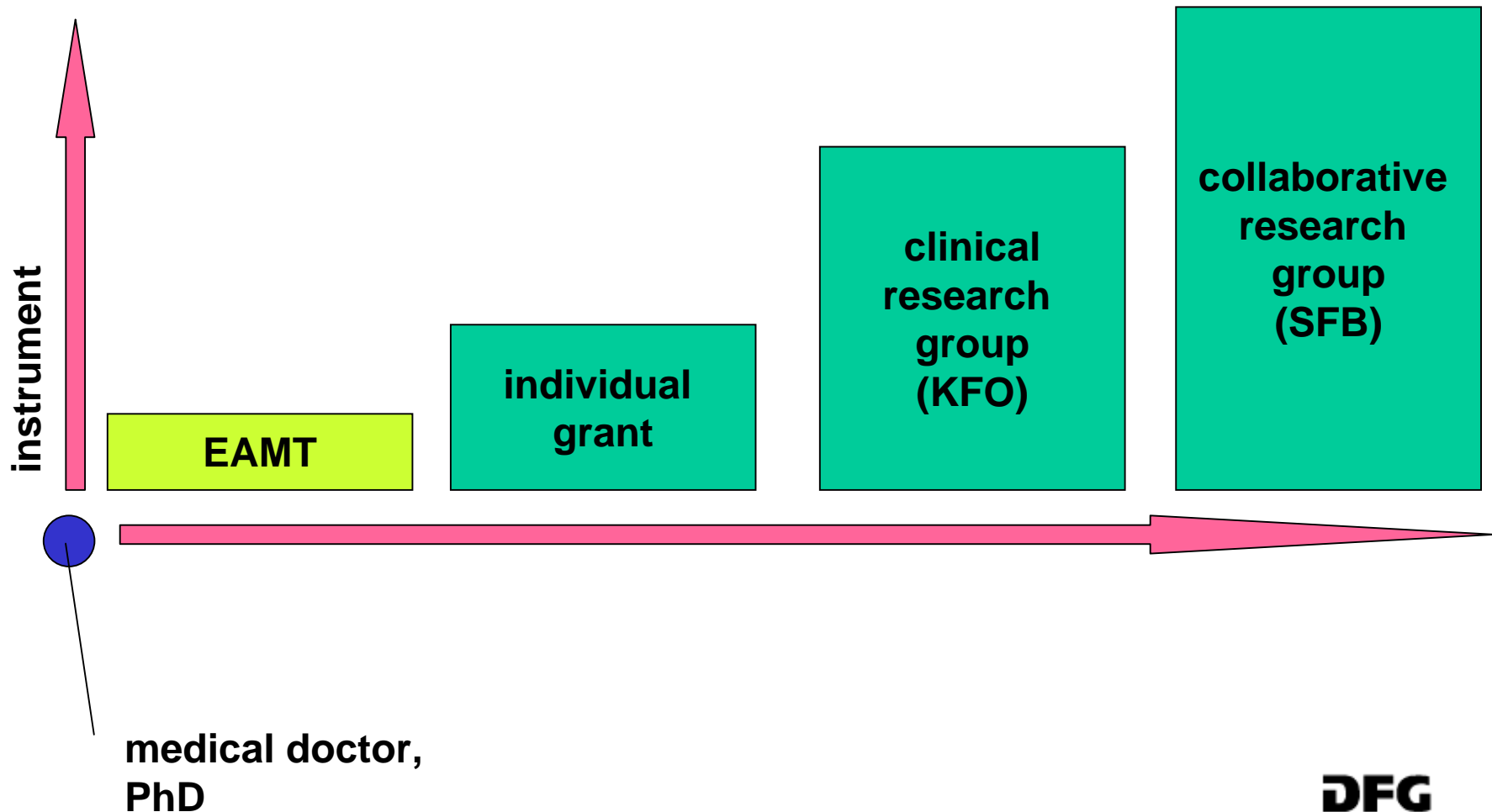


problem: parallel to „facharzt-ausbildung“ !

DFG - supports young researchers with their own position

| Qualifikationsphase | | | | | |
|--|-----------------------------------|------------------------------------|---|-----------------------------------|--------------------------------|
| study | PhD, med doctor | Postdoc | „Berufbarkeit“ | preperation for chair position | Professor or chair position |
| | | | Emmy Noether- Programm | Heisenberg- Professur | |
| | | | Nachwuchsgruppe Forschergruppe/ SFB | Heisenberg- Stipendium | |
| | GK- Stipendium | research fellowship | research fellowship | research fellowship | |
| | GK-Stelle | temporary position (germany) | temporary position (germany) | | |
| Student. Mitarbeiter im DFG-Projekt | Wissenschaftler im DFG-Projekt | Wissenschaftler im DFG-Projekt | Wissenschaftler im DFG-Projekt | Wissenschaftler im DFG-Projekt | |

new instrument: excellence academy medical technique
EAMT



Grundkonzept EAMT

Idee

**Projekt-
skizze**

**Aufnah-
mever-
fahren**

- Förderperiode 1 Jahr
- Fördersumme ca. 50k€ (selbstverantwortliche, flexible Mittelverwendung)
- Anschubfinanzierung & Motivation zum Drittmiteleinwerben
- Stimulation fachübergreifender Forschung
- Frühe Eigenverantwortung & Selbstständigkeit

3 Monate

**Leitthema
1-wöchige Kurs-
veranstaltung**

Projektskizze
↓
Projektantrag

**DFG-Bonn
Projekt-
vorstellung,
Gutachtert-
votum**

position for rotation („Gerok“ positions)



- funding of a position (BATIIa)
- position for a medical doctor, who works in the clinic,
- rotation („Freistellung“) of project leaders for scientific work
- required: proposal for a project (individual grant, coordinated programme)

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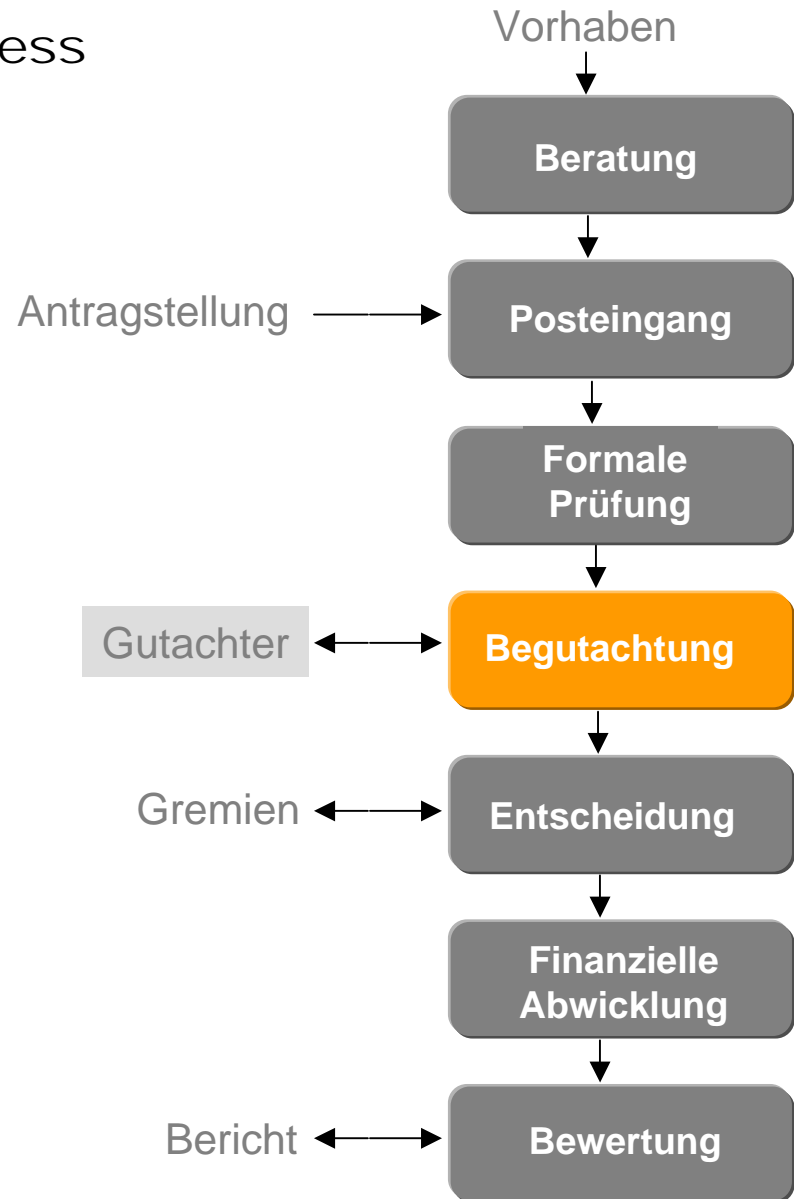
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which scientific fields are funded?

- > all fields are funded
- > by a bottom up process

criteria for the review process

- scientific quality and originality of the project
- qualification of scientist
- workplan



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- > tenure track and „gerok“ positions :
 - for scientific research or to pay someone doing the clinic
- > which scientific fields are funded
- > national and european research funding

Common aims:

- ▶ To create ideal conditions for the exchange of scientific information
- ▶ To build an extensive network of personal and professional links
- ▶ To serve as information centres
- ▶ To cooperate with other funding agencies
- ▶ To organise bilateral symposia and workshops



Washington

Moscow

Beijing



International Representation of the DFG

Information

www.dfg.de

www.dfg.de/gepris

- GEPRIS: Datenbank DFG-geförderter Projekte
- Jahresbericht und Statistikheft
- Listen laufender koordinierter Programme und Hilfseinrichtungen

www.dfg.de/wissenschaftliche_karriere

- Karriereplanung
- Nachwuchsförderung auf einen Blick
- Focus – aktuelle Themen und Veranstaltungen

<http://jobs.uni-hd.de>

- SCIENCE-JOBS-DE: Stellenausschreibungen von Wissenschaftlern für die Wissenschaft

Fragen zur Antragstellung

Abteilung II: Fachliche Angelegenheiten der Forschungsförderung

www.dfg.de/dfg_im_profil/struktur/geschaeftsstelle

Verfahrensfragen

Gruppe Qualitätssicherung und Verfahrensentwicklung (QV)

www.dfg.de/dfg_im_profil/struktur/geschaeftsstelle/vorstand/qualitaetssicherung_und_verfahrensentwicklung

Allgemeine Informationen und Beratung zu den diversen DFG-Förderprogrammen

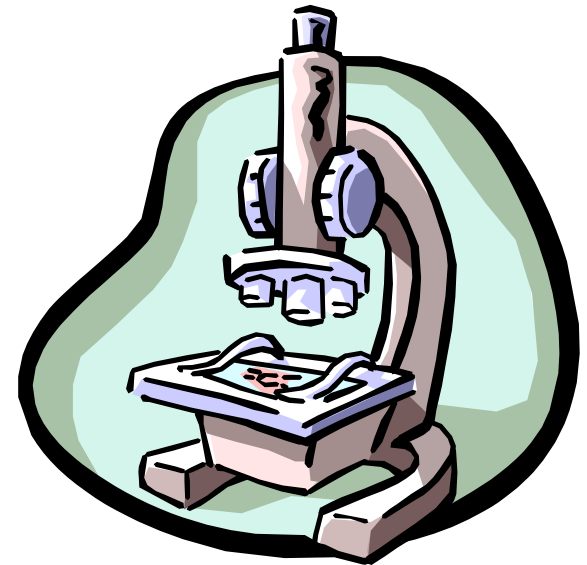
info-nachwuchs@dfg.de

Nachwuchsförderung – Strategiefragen

www.dfg.de/wissenschaftliche_karriere

Thank you !

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▶ Infos unter www.dfg.de

