



Helmholtz and Russia

„Strategic Alliance for a Better Future“



Bertram Heinze

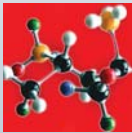
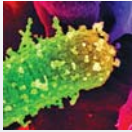
Head Moscow Office
Helmholtz Association
of National Research Centres e.V.



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GEMEINSCHAFT**



Mission Statements of the Helmholtz Association



- **„We contribute to solving grand challenges** which face society, science and industry by performing top-rate research in strategic programmes in the fields of Energy, Earth and Environment, Health, Key Technologies, Structure of Matter, Transport and Space.
- **We research systems of great complexity** with our large-scale facilities and scientific infrastructure, cooperating closely with national and international partners.
- **We contribute to shaping our future** by combining research and technology development with perspectives for innovative applications and provisions for tomorrow's world .“



Facts and Figures



- 15 Research Centres
- 250 Institutes
- 24,000 Employees
- 8,500 Scientists and Engineers
- Budget 2.2 billion euros (including grants)



Helmholtz Centre ■

Branch of Helmholtz Centre ■

Helmholtz Head Office ■



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Six Research Fields



Energy



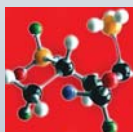
Earth and Environment



Health



Key Technologies



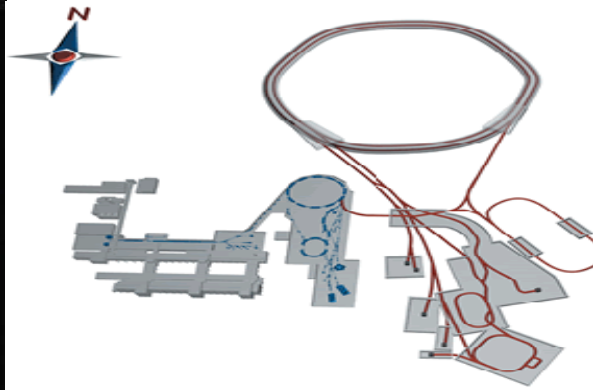
Structure of Matter



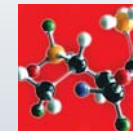
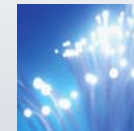
Transport and Space



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Energy & Structure of Matter:



■ Max-Planck-Institut für Plasmaphysik (IPP), Research Centre Jülich (FZJ), and Research Centre Karlsruhe (FZK)

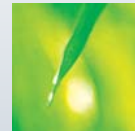
- Longterm Cooperation in the field of Nuclear Fusion
- e.g. „Gyrotrons“ from Institute for Applied Physics (NN) and „Thermal Wall Load Simulations“ with Efremov Institute for Electro-physical Apparatus (SPb).



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Earth and Environment:



- **Alfred Wegener Institute for Polar and Marine Research (AWI)**
 - More than 10 years experience with Russian-German Cooperation
 - E.g.: Laptev Sea System; Kurile Okhotsk Sea Marine EXperiment
 - Otto-Schmidt Laboratory (AARI) & POMOR Master Studies (SSU)
 - Current projects: e.g. Climatic Archive Lake „El`gygytgyn “



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Health:

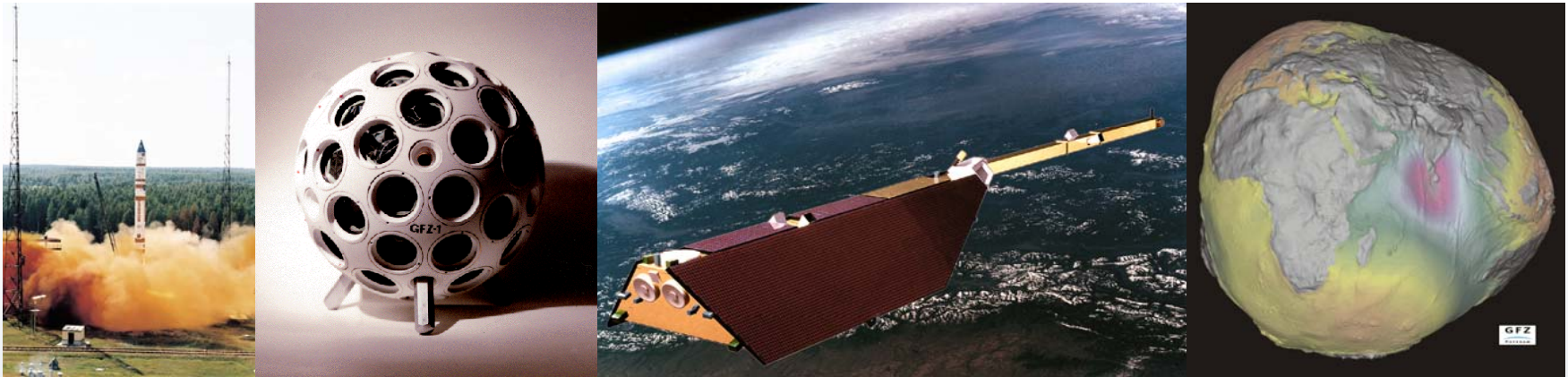


- **Max Delbrück Centre for Molecular Medicine (MDC)**
 - Collaboration with RAMS (SPb); Structure of mas protooncogene
- **German Research Centre for Biotechnology (GBF)**
 - Improvement of a clinical candidate DNA vaccine against HIV
- **National Research Centre for Environment and Health (GSF)**
 - Southern Urals Radiation Risk Research Epidemiological Studies of exposed populations

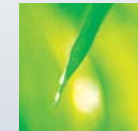


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Earth & Environment, Transport & Space:



■ **GeoForschungsZentrum Potsdam (GFZ)** and **German Aerospace Centre (DLR)** cooperated with the **Federal Space Agency (FSA)** of the Russian Federation:

- GFZ-1 (build in Russia; deployed from MIR), CHAMP, GRACE
- Studies of Earth Gravity and Magnetic Fields; Radio Occultation
- Russian Space Station Plessetsk served as Launching Site



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Helmholtz International Summer Schools



■ **Helmholtz International Summer School on Astrophysics** at Joint International Nuclear Research Centre (Dubna) funded by DESY and GSI

!!Coming Soon!!

Helmholtz Kollegs – 30% students from outside Germany;
participation of international universities wanted.



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Helmholtz - DAAD Fellowships

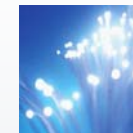
for PhD-students & Postdocs!

■ **Purpose:** Opportunity for excellent young scientists from all over the world to conduct research at a Helmholtz Centre in Germany.

■ **Applications:** Accepted by DAAD branch offices and German Embassies worldwide.

■ **Selection:** DAAD selects suitable candidates and organizes journey to Germany.

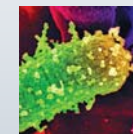
Next Deadline 15th December 2005



1 Post Doctoral
4 Doctoral



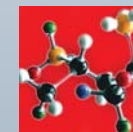
3 Post Doctoral
6 Doctoral



3 Post Doctoral
9 Doctoral



6 Doctoral



4 Post Doctoral
6 Doctoral



**HELMHOLTZ
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100 Helmholtz Young Investigators Groups

- International Call
- Competition based awarding procedure
- Research in close cooperation with Universities
- Tenure Track Option

Endowment:

- position of group leader according to BAT Ib/Ia,
- scientific or technical staff (three on average),
- costs of materials and supplies
- investment costs

!!To be Continued in 2006!!



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12. November 02, 2004

The Helmholtz Association of National Research Centres in Germany is seeking excellent young scientists and engineers as leaders for

20 Helmholtz Young Investigators Groups In Six Research Fields:
Energy, Earth and Environment, Health, Key Technologies, Structure of Matter, Transport and Space

The Helmholtz Association is Germany's largest organisation for scientific research and development. The 15 Research Centres united in the Association have a staff of 24,000 and an annual budget of about two billion euros. They perform top-rate research in strategic programmes and thus contribute to solving grand challenges which face society, science and industry. The Association's potential for realising these ambitious objectives lies in the excellence of its personnel, its world-class large-scale facilities and excellent scientific infrastructure and its experience in researching systems of great complexity. The young investigators groups will promote and further strengthen collaborations between the Helmholtz Centres and universities.

Eligibility: Individuals who have earned a doctoral degree within the last six years and have achieved a superior record of accomplishment during their doctoral and postdoctoral research.

Award: Group leader position (salary BAT Ia/Ib)
■ Adequate laboratory space,
■ Funds for laboratory set-up and operation
■ Positions for post-docs,
■ graduate students and technical staff

Duration: 5 years with a peer evaluation

Perspective: Permanent employment, if evaluation attests excellence of group leaders

Application: **Step 1** Candidates contact the Helmholtz Centre of their choice with a CV, publication list and two letters of recommendation. **Step 2** The formal applications have to be handed in by the chairman of the executive board of the Centre.

For further details and application information: www.helmholtz.de/yig

Deadline: 15 October, 2004

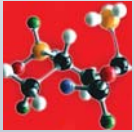
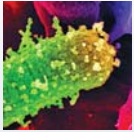
The Helmholtz Association is an equal opportunity employer and is committed to increasing the percentage of women in group leader positions.

Contact: e-mail: boerbel.koester@helmholtz.de





Helmholtz Association International Cooperation

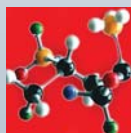
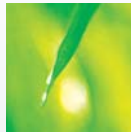


- Identifying Helmholtz-Russia „Grand Challenges“
- Cancer Research, Fuel-Cell Technology, Bionik
- Joint proposals from Institutes & Universities
- „Helmholtz Alliances“ or „Excellence Clusters“
- Integration of Young Researchers Groups
- Co-funding Russian Partners (RFBR, ROSNAUKA)



Chances with Helmholtz

Phd-positions & Postdoc-positions



Job vacancies - Microsoft Internet Explorer

Adresse http://www.helmholtz.de/en/Working_at_Helmholtz/Stellenangebote.html

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Job vacancies at the Helmholtz Association

Here you will find current job vacancies at all of the Helmholtz Centres and at the Head Office of the Helmholtz Association.

Please select your criteria and click on "show vacancies". You will find application and contact details by following the link to the job offer.

If your initial search produces no hits, use the left-hand navigation or the 'backwards' button of your browser to begin a new search.

Please note: a complete list of all job vacancies is presently only available in the German version of this service (use service navigation bar at the top of the page to change the language). Work on the English version is currently in progress.

Suche nach Standorten
Helgoland ▶ Suche starten

Suche nach Forschungszentren
Deutsches Elektronen-Synchrotron ▶ Suche starten

Suche nach Arbeitsbereichen
Alle ▶ Suche starten

- Alle
- Führungskräfte
- Wissenschaft/Postdoc
- Promotionen
- Diplomarbeiten
- Wissenschaftliche Hilfskräfte
- Technik
- Verwaltung
- Ausbildungsplätze
- Praktikum
- Sonstige
- Sales

Bewerbung

bung

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The Helmholtz Association of National Research Centres



Energy



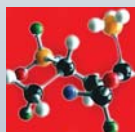
Earth and Environment



Health



Key Technologies



Structure of Matter



Transport and Space



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