



The GSF's approach to research issues requires inter-institute, inter-disciplinary co-operation – this is reflected, among other things, in the correspondingly large-scale research networks that have been put in place with their fully comprehensive research objectives.

### **Focus Network: Aerosols and Health**

The complex nature of aerosol particles and their properties as well as their interaction with humans are reflected in the aims of the Focus Network Aerosols and Health: Aerosol characterization, dosimetry and exposure, epidemiological and toxicological research on health effects and risk assessment.

[http://www.gsf.de/neu/aerosols/index\\_en.php](http://www.gsf.de/neu/aerosols/index_en.php)

### **Bayerischer Forschungsverbund Public Health**

(Bavarian Public Health Research Association)

Research and service association of Bavarian universities and other research establishments.

<http://bfv.web.med.uni-muenchen.de/>

### **Bioinformatics for the Functional Analysis of Mammalian Genomes (BFAM)**

BFAM aims at research on bio-informatics integration in the systematical analysis of the static

and dynamic properties of mammalian genomes, such as regulatory effects, genotype/phenotype correlations, or protein/protein interactions.

<http://mips.gsf.de/projects/bfam>

### **European Conditional Mouse Mutagenesis Programme (EUCOMM)**

EUCOMM integrates European skills, efforts, resources and infrastructure to produce mutations throughout the mouse genome systematically and at a high throughput and will make a major contribution to the analysis of gene function.

<http://www.eucomm.org/>

### **European Mouse Mutant Archive (EMMA)**

Association between Germany, France, the UK, Sweden, Portugal, and Italy for systematic archiving of mouse mutants.

<http://www.emmanet.org/>



*The European Mouse Mutant Archive preserves new mutant mouse lines by keeping sperm and embryos.*

### **GABI – Genome Analysis in the Biological System of Plants**

Partner project in German plant genome research with the aim of obtaining information about the structure and function of important plant genomes.

<http://www.gabi.de/>

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### **GEM – Centres for Genetic Epidemiological Methods**

Network of seven German centres (Berlin, Bonn, Göttingen, Kiel, Lübeck, Marburg, and Munich) with the common goal of supporting clinical research in the performance of epidemiological studies related to complex diseases.

<http://www2.gsf.de:6666/gem/>

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### **German Mouse Clinic (GMC)**

Network with the goal to characterize mouse models for human diseases to understand molecular mechanisms of human disorders and for the development of new therapies.

<http://www.mouseclinic.de/>

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### **Improved Air Quality and its Influences on Short-Term Health Effects in Erfurt**

Network with the goal to quantify the correlation of the improvement of air quality in Erfurt and the associated health effects.

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### **National Genome Research Network (NGFN)**

Cooperative network of scientists from various disciplines with the aim of understanding the molecular basis of disease and of using this to achieve a clear improvement in the diagnosis, prevention, and therapy of important diseases in the population.

<http://www.ngfn.de/>

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### **Southern Urals Radiation Risk Research (SOUL)**

Radiation risk research in the Southern Urals – investigation of the late effects of plutonium production for Soviet atom bombs.

<http://www.gsf.de/soul/>

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*Time capsules of the nuclear race: Bricks can be used as dosimeters to reveal radiation exposure many decades ago.*

