The aim of research at Helmholtz Zentrum München is to attain an understanding of the underlying mechanisms of diabetes, chronic lung diseases and allergies. To achieve this objective, the Center seeks to develop personalized approaches for prevention, diagnosis and treatment. Through a close network of basic and translational research and technology-driven discoveries, Helmholtz Zentrum München pursues a comprehensive research approach. Thus, research contributions can also be made to other disease areas, and the development of personalized medicine can be promoted.

The 48 scientific institutes and independent research units comprise a network linking the various programs and research topics. In order to translate basic research into medical applications, researchers of Helmholtz Zentrum München collaborate closely in translational research centers and clinical cooperations with medical partners in universities and hospitals as well as with industry.

Helmholtz Zentrum München is a research institution of the German Federal Government and the Free State of Bavaria and is a member of Germany’s largest scientific organization, the Helmholtz Association of German Research Centres. Furthermore, Helmholtz Zentrum München participates in all six German Centres for Health Research, with leading function in the German Center for Diabetes Research (DZD).
Scientific Publications

More than 1,664 publications in internationally recognized, peer reviewed journals and a total of 8,559 impact factor points (2016) are indicators of the scientific publication output of Helmholtz Zentrum München.

ERC Grants

Helmholtz Zentrum München currently has 18 grants of the European Research Council (ERC) and thus holds a leading position among other scientific institutions in the acquisition of grants of the European Research Council (ERC).

Pioneer Campus

The Helmholtz Pioneer Campus for Innovative Biomedicine (HPC) empowers outstanding life-scientists and engineers to transform their groundbreaking ideas into new solutions - collaborating boldly under one roof and across disciplines. HPC-scientists develop new strategies that impact early diagnosis, personalised prevention and precision treatment of metabolism driven diseases.

Technology Platforms

Helmholtz Zentrum München has state-of-the-art technology platforms which are provided as central service units for scientists and collaborations with research organisations and industry:

- Genome Analysis Center
- Proteomics
- Monoclonal Antibodies
- Comparative Medicine
- Immunoanalytics
- Induced Pluripotent Stem Cells
- Pathology & Tissue Analysis
- Statistical Consulting
- Experimental Environmental Simulation
- Distribution Center for Biomaterials (EUCOMM)
- Radiation Facilities
- Comprehensive Metabolomics Platform
- Inorganic Analysis Facility
- Biorepository
- German Mouse Clinic
- European Mouse Mutant Archive (EMMA)
- Fragment-Based Drug Discovery
- Protein Expression and Purification
- Assay Development and Screening
- X-ray Crystallography
- Scientific Computing

Training the next generation of researchers

Helmholtz Zentrum München sets standards in supporting the young generation of scientists and provides education and training for scientists on an international level.

Helmholtz Graduate School Environmental Health

The Helmholtz Graduate School Environmental Health (HELENA), founded jointly with the Munich elite universities, aims to qualify a new generation of internationally competitive doctoral students and offers them individualized, interdisciplinary training.

Postdoctoral Fellowship Program

Each year, the Postdoctoral Fellowship Program developed at Helmholtz Zentrum München recruits 10 highly qualified postdocs for fully funded, three-year positions as scientists in designated research areas of the Center. The postdocs receive individual mentoring and coaching and are integrated into the research environment of their institute, thus ensuring that they receive the support they need for a successful career in academic research or in industry.

Young Investigator Groups Program

Within the framework of its Helmholtz Young Investigator Groups Program, Helmholtz Zentrum München attracts top young researchers from all over the world to Munich to lead young investigator groups with tenure track option. The program provides an ideal career springboard for young scientists.

Attractive working environment

The team International Staff Services advises all international employees coming to the Helmholtz Zentrum München and supports them with the formalities to enter Germany, e.g. formalities upon arrival, assistance in searching for accommodation, organization of family reunification, support looking for schools or child care. The aim is to facilitate the relocation to Munich and make all newcomer feel as home as soon as possible. The Helmholtz Zentrum is proud of its international and family-friendly atmosphere, including campus childcare facilities, a café for graduate students and a company health management system. As a member of the Technical University of Munich (TUM)’s Dual Career Office, Helmholtz Zentrum München supports dual career.

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