Research for Health
in the Capital Region Berlin-Brandenburg

THE GERMAN CAPITAL REGION
excellence in life sciences & healthcare
Berlin-Brandenburg is one of Europe’s leading locations for biotechnology, medical technology and pharmaceuticals. For many companies that have come to the region or were founded here, the outstanding academic and scientific landscape is a decisive factor for success. Scientists conduct excellent life sciences research here, characterized by a broad spectrum and close interdisciplinary networking. The capital region features short paths to exchanges and partnerships – not only between different research institutions, but also between industry, clinics and academic research in various ways.

**Outstanding basic research**

Pioneering innovations always begin with basic research, which is conducted at the highest level in the region. Top institutes involved in biomedical research are concentrated here. Around 70 independent research groups work at the Max Delbrück Center for Molecular Medicine in the four research focal areas: cardiovascular and metabolic diseases, cancer, function and dysfunction of the nervous system and medical systems biology. The Berlin-Brandenburg Center for Regenerative Therapies (BCRT), Berlin Institute of Health (BIH), Deutsches Herzzentrum Berlin, Federal Institute for Risk Assessment (BfR), Fraunhofer Institute for Applied Polymer Research IAP, Fraunhofer Institute for Cell Therapy and Immunology IZI, Bioanalytics and Bioprocesses branch in Potsdam/Golm, Fraunhofer Institute for Open Communication Systems FOKUS, Fraunhofer Institute for Production Systems and Design Technology IPK, Leibniz-Institut für Molekulare Pharmakologie (FMP) has unique equipment and outstanding expertise in the areas of signal transduction, molecular genetics, structural biology and chemical biology. The Max Planck Institute for Molecular Genetics is a leader in the systematic analysis of genes and genomes. The Max Planck Institute of Colloids and Interfaces has a special focus on glyco-biology: automated carbohydrate synthesis, in particular. The German Rheumatism Research Centre Berlin is one of the key institutions in the areas of immunology, experimental rheumatology and rheumatism epidemiology. The German Institute of Human Nutrition researches the molecular causes of nutrition-related illnesses. Many of the other regional institutions are also at the top of their field internationally.

**A university medicine powerhouse**

In Charité – Universitätsmedizin Berlin, a joint Freie Universität Berlin and Humboldt-Universität institution, the region has one of Europe’s largest university clinics. Here, over 4,500 doctors and scientists research, heal and teach at the highest international level. Charité
Innovation for medical technology emerges from close, interdisciplinary partnerships between many scientists. With its strengths in this sector – in the areas of orthopedic and cardiological implants, imaging, and minimally invasive procedures, medical information and communication technology and clinical research and biotechnology – Berlin-Brandenburg offers outstanding conditions.

Prof. Dr.-Ing. Marc Kraft
Head of the medical technology department
TU Berlin

Outstanding scientific and academic landscape

Research focal areas in genomics, systems medicine, glyco-biology, regenerative medicine, RNA technologies, imaging, biologized medical engineering, care research and eHealth

Leading German location for the life sciences industry, with over 230 biotechnology companies, 300 in medical technology and 30 in pharmaceuticals

Excellent access to skilled specialists due to the many degree and continuing education programs

Close network among science and business, and interdisciplinary partnerships in the areas of biotechnology, pharmaceuticals, medical technology, photonics and ICT

Outstanding conditions for preclinical and clinical research

The Berlin Institute of Health (BIH), where scientists from Charité and MDC have pooled their research activities since 2013, is another top global institution located in the capital region. The BIH’s guiding principle is systems medicine. It targets the further development and integration of different omics technologies using high throughput methods as a means of developing applications for personalized medicine.

Applied research and technology development

Alongside biomedical research, medical technology is especially strong in the region. It uses the findings from a variety of disciplines, benefitting from the many application-oriented, technology intense institutions here, including the Fraunhofer institutes and Technische Universität Berlin. Important stimuli for eHealth applications come from ICT research based at Fraunhofer FOKUS, Zuse Institute Berlin and the Leibniz Institute for High Performance Microelectronics in Frankfurt/Oder.

Nuria Cerdá-Esteban
Science Operations Manager
Max Delbrück Centre for Molecular Medicine

»I came to Berlin in 2008 as a doctoral candidate because the innovative research and open atmosphere at MDC inspired me. The location offers fantastic conditions for young people!«

Research facilities (continuation)

Fraunhofer Institute for Reliability and Microintegration IZM
German Institute of Human Nutrition (DIfE)
German Rheumatism Research Centre Berlin
Institute of Biomaterial Science of the Helmholtz-Zentrum Geesthacht (Teltow)
Leibniz Institute for Agricultural Engineering Potsdam-Bornim
Leibniz Institute for High Performance Microelectronics (IHP)
Leibniz-Institut für Molekulare Pharmakologie (FMP)
Max Delbrück Center for Molecular Medicine in the Helmholtz Association
Max Planck Institute for Infection Biology
Max Planck Institute of Colloids and Interfaces
Max Planck Institute for Molecular Genetics
Max Planck Institute of Molecular Plant Physiology
Physikalisch-Technische Bundesanstalt, the National Metrology Institute of Germany
Robert Koch Institute
Zuse Institute Berlin (ZIB)
Our aim: your success!

Berlin and Brandenburg support research and development in the life sciences with an economic policy developed across state borders in the Healthcare industries cluster. The cluster is managed under the aegis of Berlin Partner for Business and Technology and the Brandenburg Economic Development Board (ZAB).

Our aim is to provide comprehensive support to companies and scientific institutions interested in inward investment or further development in the capital region.

We are ready to assist you with:

- Company start-up
- Location search
- Funding and financing
- Technology transfer and R&D partnerships
- Cooperating in networks
- Employee recruiting, programs designed to retain skilled specialists and qualification
- International market development

Reach out and contact us!

www.healthcapital.de

PHOTOS: Cover: Berlin Partner/Wüstenhagen. Inside: Bernd Wannenmacher, Kay Herschelmann, HZB
DESIGN: Büro Watkinson, Berlin. PRODUCTION: LASERLINE, Berlin
© June 2015