Facts

The Max Delbrück Center for Molecular Medicine (MDC) is a leading biomedical research institute of the Helmholtz Association of German Research Centers. Established in 1992, the MDC currently hosts more than 60 research groups and technology platforms.

Interdisciplinary research at the MDC covers the areas of cardiovascular and metabolic diseases, cancer biology and immunology, developmental biology, neuroscience, medical systems biology and computational biology, structural biology and biophysics.

Doing your PhD at the MDC is a truly international experience: About a third of our 360 doctoral students come from abroad, representing over 50 nationalities. The MDC has established joint research and training programs for PhD students with partners in Berlin as well as top-ranking universities world-wide:

• France: Aviesan, INSERM & ITMO CMN, Paris
• Israel: Hebrew University of Jerusalem, Jerusalem & Technion – Israel Institute of Technology, Haifa
• USA: New York University, New York City

Application

Interested in joining the MDC International PhD Program, one of our research schools or exchange programs? Please submit your application via our central MDC online portal. **Deadline: July 1, 2015**

www.mdc-berlin.de/application
Training & PhD

The MDC International PhD Program is a cooperation between the Max Delbrück Center for Molecular Medicine and the Humboldt-Universität zu Berlin (HU), Freie Universität Berlin (FU), and Charité - Universitätsmedizin Berlin.

We offer outstanding research opportunities and an interdisciplinary platform for structured PhD training in biomedical sciences. Whether you are affiliated with the International PhD Program or one of our specialized research schools or exchange programs, you will benefit from a shared training infrastructure:

- Advanced lectures and seminars, technology training - the entire program is taught in English
- Regular PhD project committee meetings
- Travel grants to support attendance at international conferences and work visits in cooperating labs
- Access to MDC technology platforms (genomics, proteomics, metabolomics, microscopy, small molecule screening, etc.)
- Transferable skills courses and career counseling to support personal development
- Language courses
- Welcome Center for international students

Research Schools

TransCard is a collaborative endeavor between the MDC and three universities in Berlin: HU, FU, and the Charité. The program trains excellent young researchers at the interface of basic molecular, genetic, and clinical research with the goal of elucidating the molecular mechanisms causing cardiovascular and metabolic diseases and to transfer this knowledge from bench to bedside. The curriculum includes a lecture and seminar series with corresponding E-learning, local and international workshops, collaborative lab visits, and a clinical visits program.

MolNeuro is a joint activity of the MDC, FU, and Charité. The school provides state-of-the-art training to elucidate the molecular basis of underlying normal function and dysfunction of the nervous system.

Our curriculum is composed of a lecture series covering basic and advanced concepts of neurobiology, a journal club, and complementary training courses.

Exchange Programs

The MDC-NYU Exchange Program is a joint endeavor between the Berlin Institute for Medical Systems Biology (MDC) and the Center for Genomics and Systems Biology (NYU). PhD students carry out joint research projects of partner labs in New York and Berlin and spend up to 50% of their time at NYU. Training is based on our spectrum of medical systems biology research and technologies in top-ranking labs.

Highlights include interdisciplinary classes, student-focused seminars and specialist summer schools.

The joint German-Israeli program SignGene builds on an exceptional network of scientists from the MDC, HU and Charité in Berlin, the Technion in Haifa, and the Hebrew University in Jerusalem within the areas of cell signaling, gene regulation, and quantitative biology.

Based in Berlin, Haifa, or Jerusalem, each student works on a tandem dissertation project and is mentored by partnering supervisors from both countries. Our program features special scientific and soft skills training activities in Germany and Israel and extended visits at a partner laboratory abroad.

www.mdc-berlin.de/bimsb

www.mdc-berlin.de/transcard

www.mdc-berlin.de/molneuro

www.mdc-berlin.de/signgene