## Application and Requirements

Application forms are available online at www.bsrt.de along with detailed information about the application procedure. Applications will be reviewed by the BSRT faculty. Candidates will be selected based on their academic qualifications, motivation, suitability for the program and their referees' evaluations. Applicants who are short listed will be invited to attend the final admission assessment in Berlin.

It is not necessary to hold the Master's or equivalent degree at the time of application, but they must be obtained before enrolment in October.

**Biology Track**
Applicants must have a Master's degree, a German Diploma or an equivalent degree in biology, biochemistry, bioinformatics, bioengineering or veterinary medicine.

**Engineering Track**
Applicants must have a Master's degree, a German Diploma or an equivalent degree in physics, chemistry, or engineering.

**Clinical Scientist**
Applicants must have an MD, a German Dr. med. or equivalent degree in medicine. They should already have a position training as a medical or surgical specialist (the German Facharztausbildung). We may also help finding such a position at the Charité.

## Berlin and Brandenburg

Berlin, the capital of Germany, attracts many young people from all over the world. It is a dynamic and cosmopolitan city offering plenty of economic and scientific opportunities and a wide range of lifestyles, cultural events, entertainment and leisure amenities. Berlin has four universities and many other top-class research institutes. The city offers a truly metropolitan lifestyle combined with a pleasant and relaxing atmosphere due to the large areas of forests, country parks, lakes and rivers within the city boundaries.

The federal state of Brandenburg surrounds Berlin and provides a pleasing complement to the greenery of the city with its beautiful country-side, idyllic towns and villages, castles and churches and its many tree lined rural roads. Potsdam is the capital of Brandenburg and is, without a doubt, one of the most beautiful cities in Germany. One of Potsdam's most popular attractions is the Sanssouci Park with its palaces and leisure grounds of the former Prussian Kings.

## Contact


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CHARITÉ UNIVERSITÄTSMEDIZIN BERLIN

HUMBOLDT-UNIVERSITÄT ZU BERLIN

# International PhD Program
## Regenerative Therapies

Biology Track

Engineering Track

Clinical Scientist

**www.bsrt.de**

Berlin-Brandenburg
School for Regenerative Therapies

DFG
Graduate School 203

## BSRT

The Berlin-Brandenburg School for Regenerative Therapies (BSRT) offers outstanding inter-disciplinary training and research opportunities for graduate students coming from a medical, biological, or engineering background who want to work in the field of Regenerative Medicine. It will be of particular interest to those wishing to look beyond pure research and who are aiming to translate their scientific discoveries into clinical applications.

Regenerative medicine combines pure science, materials science, clinical disciplines, and biotechnology with the goal of repairing or replacing tissues and organs. The goal of the BSRT is to prepare young scientist from different disciplines for a successful research career in this interdisciplinary field. A new type of scientist will be educated to have not only a profound understanding of their own field, but also a substantial understanding of the associated clinical needs and a broad knowledge of cell biology, molecular biology, bioengineering, biotechnology and biomaterials.

The BSRT works in close cooperation with the Berlin-Brandenburg Centre for Regenerative Therapies (BCRT) and is a joint initiative of the Charité Universitätsmedizin, Humboldt-Universität zu Berlin, Freie Universität Berlin, Technische Universität Berlin, Universität Potsdam, Max Planck, Helmholtz and other research institutes.

## PhD Program

The BSRT PhD program covers a period of 3 years with enrolment at the beginning of each October. The official language of the Graduate school is English. Graduate students with a background in biology, biochemistry, bioengineering, bioinformatics or veterinary medicine can apply for the Biology Track. Graduate students coming from engineering, physics or chemistry will join the Engineering Track. A special 5 year program is available for medical students who will be trained as Clinical Scientists.

Students admitted to the PhD program will be supported financially by stipends. During the PhD program the students carry out their scientific research work in one of the BSRT labs and a mentoring committee will guide the PhD students through their project. In addition to their research, students will participate in practical courses, seminars and lectures designed to meet their needs in their aim to become an interdisciplinary scientist. Biologist will learn aspects of engineering and clinical applications; engineers will be given insights into biological processes and clinical problems and medical students will receive special training in engineering and natural sciences.

Students will be encouraged to participate in international conferences and to go on lab exchanges with our partner Universities; the University of Oxford; the Stanford University; the University of Queensland; the University of Pittsburgh and the National University of Singapore.

## Curriculum

- Introductory courses in complementary fields
- High level courses in the specialist field
- Clinical and lab rotations
- Career guidance and mentoring committees
- PhD symposia from students for students
- Scientific presentation and writing
- Project and business planning
- Language courses in German and English

The BSRT international PhD program comprises a series of courses, seminars and research projects designed to equip the students with the essential skills to become effective scientists in Regenerative Medicine. Highly motivated young scientists will find ample opportunities for independent research and interaction between biological, engineering and medicine. Each student will receive joint supervision by top-class researchers coming from different disciplines.