



Admission

We welcome applications by students of all countries. If you are interested in becoming a IMPRS student, we recommend to visit our website at www.imprs-hlr.mpg.de
The minimal requirement for admission is a university degree such as a Master´s degree or a Diploma or equivalents in biology, biochemistry, medicine, bioinformatics or related disciplines. You have to hold the degree by start of the program.
The program language is English.

Applications are easy: You may send all required files via email to info-imprs@mpi-bn.mpg.de. Complete applications, which are submitted by July 31, 2010, will be processed.

Selection of candidates

All applications will be reviewed by the prospective supervisors and the board of faculty members. Candidates will be selected by their academic qualifications, motivation, suitability to the program and their references.
Shortlisted applicants will receive an interview invitation to Bad Nauheim.
Foreign applicants will be supported by the coordination office from the first step on.

Financial supports

Students in the graduate program are funded by scholarships. Travel and accommodation stipends are available for shortlisted applicants.

Bad Nauheim - Frankfurt - Giessen

Bad Nauheim is located in the „State of Hesse“, just in the heart of Germany. Giessen and Frankfurt half an hour away. Bad Nauheim offers the calmness of a spa with direct access to a lovely nature but has also a lively scene with pubs, restaurants and cafés.
Frankfurt, Germany´s most international city with all its amenities is only a short train ride away. Enjoy the multiple theatres and museums, the historic and financial districts and shopping at Germany´s most busiest shopping mile, the Zeil.
Giessen, located 30 minutes north of Bad Nauheim, attracts so many students and young researchers every year, that it has the highest student ratio in Germany and is known as a very „useful“ city.

Contact information

Coordination Office

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PhD Studies in the Heart of Germany

2010

Graduate Program Participants
Max Planck Institute
for Heart and Lung Research · Bad Nauheim
Justus-Liebig-University · Giessen
Goethe University · Frankfurt

www.imprs-hlr.mpg.de



Overview

Heart, vascular and lung diseases represent the highest socioeconomic burden of all diseases worldwide, with multiple interactions and several unresolved treatment challenges. In ageing societies the occurrence of cardiovascular diseases will further increase.

The International Max Planck Research School for Heart and Lung Research has evolved from a joint cooperative of the Max Planck Institute for Heart and Lung Research in Bad Nauheim, the Justus Liebig University in Giessen and the Goethe University in Frankfurt.

The International Max Planck Research School for Heart and Lung Research offers outstanding training for young scientists and physicians in all areas of heart and lung research. The principle concept of the school reflects the fact that research in basic and medical sciences has often followed different routes and traditions with inefficient cross-fertilization between both disciplines.

The International Max Planck Research School for Heart and Lung Research provides a common training ground for basic researchers and physicians. Our goal is to make basic-research scientists familiar with patient-orientated scientific approach in the face of demands for innovative diagnostics and therapies (Translational Research). Physicians will gain access to intensive training in natural sciences to enhance understanding of comprehensive systematic work.

Graduate Program

The graduate program is designed as a three-year program. All students will attend an orientation phase before entering the graduate phase.

During the orientation phase students will have the opportunity to attend seminars and courses to acquire additional scientific knowledge. Lab rotations will help to practise state-of-the-art techniques.

Advice is given on managing everyday life in Germany including bank account, resident permit, health insurance, etc.

The graduate phase includes regular scientific seminars. Courses in scientific writing and carrier opportunities will be offered as well as German language courses. Annual retreats will help to deepening scientific knowledge and improve exchange between IMPRS-students. At the end of the graduate phase a degree and a Dr. rer. nat., Dr. hum. biol., Dr. med., Dr. phil. nat. or equivalents can be awarded.

Important Dates

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|------------------------------|----------------|
| Online application deadline: | July 31, 2010 |
| Interviews in Bad Nauheim: | September 2010 |
| Decisions: | October 2010 |
| Program start: | December, 2010 |

Only complete applications, which arrive before deadline, will be considered!

Cutting edge research projects

All three partners of the International Max Planck Research School for Heart and Lung Research have their major scientific focus in the field of „Life Sciences“.

The three departments at the Max Planck Institute focus on cardiac development and remodeling, alveolar development and remodeling and vascular signaling.

Five additional research groups work on developmental cardiogenetics & signal transduction, cardiac regeneration, the origin of cardiac cell lines, epigenetic regulation during the establishment of respiratory cell fate & lung cancer and non-small cell lung cancer models. Our scientists have expertise, both in basic science and translational research.

The Goethe University is one of the worldwide leading centers on cardiovascular medicine with major expertise on stem cell therapies after myocardial infarction. Additional projects focus on inflammation & pain and on cancer research.

Scientists at the Justus Liebig University have their main focus on the cardiopulmonary system. Their work have gained worldwide reputation over the past years. „Infection and immunity“ and „human nutrition“ are also ongoing project themes.

Graduate students will have the chance to choose from numerous cutting edge research projects for their graduate work.