



Ph.D. - 3 year Graduate School Program - Cardiovascular and Lung Research

The International Max Planck Research School for Heart and Lung Research (IMPRS-HLR)

is the leading educational platform of the Max Planck Institute in Bad Nauheim, Germany. The graduate school is jointly operated by the Justus Liebig University (Gießen), the Goethe University (Frankfurt), as well as the Max Planck Institute for Heart and Lung Research (Bad Nauheim).

Ph.D. / Doctoral Program

We are inviting outstanding candidates to apply as Ph.D. candidates. **We offer studies in the field of heart, vessel and lung biology.** Our areas cover development, remodelling and regeneration, stem cell biology, developmental genetics and translational research. We use a variety of model systems to study these questions including mouse, zebrafish and newts. We are equipped with state-of-the-art facilities and equipment.

Doctoral fellows will participate in a three-year professional graduate school program including seminars, methods courses and retreats and will benefit from the advanced scientific offerings of the institute and the universities. An individual thesis committee will provide personal feedback, guidance and mentorship for every student. For their research projects doctoral students are supplied with generous funding. The international and interdisciplinary approach of the program promotes cross-frontier thinking and scientific networking.

Successful candidates can choose a research project from one of the research groups. Depending on qualifications and the selected projects, doctoral students may be eligible to register for one of four doctoral degrees offered, including Ph.D., Dr. rer. nat., Dr. hum. biol., and Dr. med.

Before applying, please ask yourself if you fulfill the following criteria:

- Authentic desire and drive to commit to a three-year doctoral program
- Willingness to develop further and learn in a multidisciplinary environment of talented people and high-end facilities
- Interest in living as part of an international community in the centre of Germany
- Solid English language ability, written and spoken as well as capability to work with English publications
- Fun in solving problems, carrying out analysis and working with attention to detail
- Master's degree or equivalent in biology, biochemistry, medicine, bioinformatics or related discipline
- Above average performance in scientific field and academia
- Hands-on lab experience

Contact Information

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We offer cutting-edge Ph.D. projects in the following research areas:

- Cardiac Development and Remodeling
- Stem Cells and Tissue Regeneration
- Pharmacology
- Developmental Genetics
- Lung Development and Remodeling
- Epigenetics
- Angiogenesis and Metabolism
- Cell Polarity and Organogenesis
- Bioinformatics
- Proteomics

Further program details and information on applications can be found on: www.imprs-hlr.mpg.de

Important Dates

Online application deadline	January 31, 2016
Program start	October 2016

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