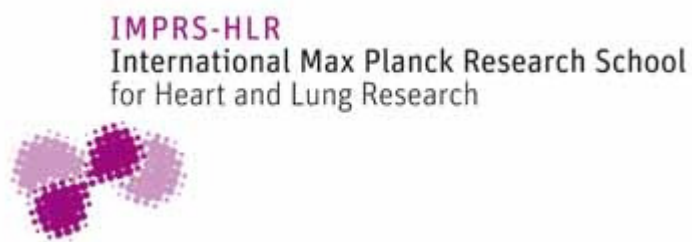


International Max Planck Research Group for Heart and Lung Research



Application Form

Please note: You will have to fill in all fields below marked with * .

Once started, the process needs to be finalised as 'save and continue later' ist not possible.

* **Registration Code**

1. Additional Personal Information

Permanent address (If different from the one you have submitted at registration)

Only fill out, if you have a second postal address for correspondence (e. g. your parent's address).

Postal Correspondence
Address

Country

Telephone

Additional Personal Information

Marital status

Number of Children

Hobbies and interests

Please give us some information about how you spent your free time.

2. Academic Education

In this section, we are asking for information about your university degrees (for example Bachelor, Master, Diploma),

starting with your most recent degree or current university enrollment.

In addition, you will be able to give information on honors or awards, if applicable.

Current or most recent university studies

* College or University

* City

State/Province (if applicable)

* Country

* Date attended from (dd/mm/yyyy) to (dd/mm/yyyy)

* Field of study / subject

* Highest academic degree by October 2018

Master

Diploma

Other

If other, please specify:

* Date awarded (dd/mm/yyyy)

If you are currently enrolled in a course: When do you expect to finish your degree? (month/year).

Grade point average (GPA) out of

Classification (e. g. First Class, with distinction, with honor)

Higher education institutions attended previously (university, college, high school)

(* = first line)

Institution	City, country	Attended from-to	Field of study / subject
*			

Merits / Honors / Scholarships / Awards

3. Research-related Experience

In this section, we are asking for some information about your research-related experience: Methodological background, an abstract of your Master's or Bachelor thesis project, and publications, if applicable.

Methodological background

Please describe briefly what kind of methodological background you received in lab internships or during your thesis project. What kind of laboratory techniques, computational skills etc. did you learn? If applicable, you can include a list of the laboratory methods, data analysis programs and/or programming languages you have used during research projects.

*

Thesis project

Here, we would like information about your most recent thesis project. If you are currently working on your Master's or Diploma thesis, please give us information on this project.

* Master Diplom

Title of Thesis

*

Please provide a short abstract of your thesis (200 - 300 words):

*

Thesis supervisor

*

Address of thesis supervisor (institution, city, email)

*

Publications (peer reviewed journals, book chapters, talk or poster presentations on

conferences)

4. Additional Expertise and Personal Interests

In this section, we would like to learn about your personal interests, your language skills and any experience you may have had in living abroad.

Language competence

Here, we would like information about your language skills, both written and spoken.

* Native Language

Foreign language skills

English

- * Written fluent/very good good fair little none
- * Spoken fluent/very good good fair little none

- * I have practiced speaking and writing in English in a scientific environment during my studies:
 yes, regularly yes, a little very little or not at all

German

- * Written fluent/very good good fair little none
- * Spoken fluent/very good good fair little none

Other language

English language test

- * Have you taken an English language test? yes not yet

Please give information on the English language test, if applicable.

TOEFL IBT TOEFL PBT

Test Date
Test Date

Score

IELTS

Test Date

Score

Other English language test

Test Date

Score

Please include a certificate of an English language test in your PDF of certificates.

Graduate Record Examinations

If you took the GRE, we would appreciate if you gave us information on your results.

<input type="checkbox"/> GRE	GRE General Score			
General Test		verbal	quantitative	analytical
GRE Date				

Have you studied or lived abroad?

If you have studied or lived abroad, please tell us when and where.

5. Research Preferences, Financing and References

In this section, we would like to learn more about your research interests. Did you already identify a group or a research topic, you would like to do your PhD? Please provide the following information:

Statement of purpose

Please write a statement (500 words), why you wish to become a member of the IMPRS-HLR, your preparation for this field of study, and your future career plans. Describe the area of natural sciences you find most interesting, your previous research experience, and other aspects of your background and interests which may aid the admission committee in evaluating your attitude and motivation for the program.

*

Research Preferences

* These are research areas of our faculty. Let us know the scientific field(s) you are interested in. You can select up to 3 topics from this list:

- Function of non-coding RNAs in the cardiovascular system (T. Braun)
- Identifying Pathways and Mechanisms Involved in Stem Cell Self-Renewal and Differentiation (T. Braun)
- Cardiac Development and Remodelling (T. Braun)
- Epigenetic mechanisms underlying muscle stem cell and heart progenitor cell fate determination (T. Braun)
- Tumor cell metastasis (S. Offermanns)
- Mechanotransduction in the vascular system (S. Offermanns)
- G-protein-coupled receptors (S. Offermanns)
- Metabolic signaling in obesity and diabetes (S. Offermanns)
- Cardiac development and regeneration (D. Stainier)
- Vascular development (D. Stainier)
- Pancreas development and function (D. Stainier)
- Lung development and homeostasis (D. Stainier)
- Molecular Mechanisms of Pulmonary Vascular Diseases (W. Seeger)
- Structure and Development of the Alveolus (W. Seeger)
- Molecular Mechanisms in Lung Cancer (W. Seeger)
- structural and functional characterization of circRNAs in the mammalian system (A. Bindereif)
- Cystathionine lyase and protein S-sulphydration (I. Fleming)
- Cell Polarity and Organogenesis (M. Nakayama)
- Regulation of angiogenesis by endothelial metabolism (M. Potente)
- Mechanisms of epigenetic regulation of tumor suppressor genes (R. Dammann)
- Regulation of the hypoxic gene response by the ubiquitin E3 ligase SIAH2 (L. Schmitz)

* You can name up to 3 research groups/institutes where you would be interested in starting your PhD project:

- Cardiac Development and Remodelling : Prof. Braun (Dept. I, MPI)
- Pharmacology: Prof. Offermanns (Dept. II, MPI)
- Developmental Genetics : Prof. Stainier (Dept.III, MPI)
- Lung Development and Remodelling: Prof. Seeger (Dept. IV, MPI)
- Cell Polarity and Organogenesis : Masanori Nakayama, PhD (Indep.Research Group, MPI)
- Angiogenesis & Metabolism : Michael Potente, MD (Indep.Research Group, MPI)
- Institute for Vascular Signalling : Prof. Fleming (VRC, Frankfurt)
- Vascular Research Centre : Prof. Brandes (VRC, Frankfurt)
- Institute of Cardiovascular Regeneration: Prof. Dimmeler (Goethe University Frankfurt)
- Department of Molecular and Cellular Neurobiology: Prof. Acker-Palmer (Goethe University Frankfurt)
- Developmental Biology of Vertebrates: Prof. Lecaudey (Goethe University Frankfurt)
- Molecular Mechanisms of Emphysema, Hypoxia and Lung Aging: Prof. Weissmann (JLU, Giessen)
- Kardiopulmonale Neurobiologie : Prof. Kummer (JLU, Giessen)
- Institute for Genetics : Prof. Dammann (JLU, Giessen)
- Department of Biochemistry: Prof. Schmitz (JLU, Giessen)
- Faculty of Biology and Chemistry: Prof. Bindereif (JLU, Giessen)

Financing

* Do you have financial support from elsewhere and are therefore independent from financing by the IMPRS or participating groups? yes no

If your answer is 'yes', from which institution would support come from?

References

Note: We ask for two recommendation letters. It is in your responsibility that the two academic referees submit their recommendation letters on time. You will have to provide them with your registration number und the link.

Please provide information about these two referees.

* Name and academic title of referee 1	
Email address	
Institution and postal address	
Phone	
* Name and academic title of referee 2	
Email address	
Institution and postal address	
Phone	

6. Miscellaneous

How did you learn about us?

- IMPRS Website
- Nature Jobs
- Lab Times / Labjournal
- DAAD
- Academic position
- Research Gate
- Jobvector
- LinkedIn
- Other website (please specify):

- Poster, Flyer
- My professor has informed me about IMPRS
- Personal communication -> if yes, who did you talk to?

- Other, please specify:

* Which documents (see below) did you include in your upload?

Is there anything else you want to tell us?

Documents

Please upload your documents as a single PDF file each in the respective window:

* CV and statement of purpose (one PDF file)

No file selected.

* Transcripts and degree documents, language test certificate, other documents (one PDF file)

No file selected.

7. Scientific Questionnaire

In this last section, we would like to test your scientific education and overall textbook knowledge. After submitting your application you will receive an email confirming your application for IMPRS-HLR. In addition, this email provides a link to questions we ask you to answer in a given timeframe (max. 15 minutes). These questions span the field of molecular biology.

Advisory note

Please understand that plagiarism or falsifying or withholding information constitutes grounds for immediate withdrawal of your application from the application process.

The information provided in this application will be shared with other persons involved in the application procedure for the IMPRS-HLR.

If you agree, we may share the information given in your IMPRS application with group leaders in the departments of the MPI who are doing research in your field of interest and who may be offering doctoral projects. Note that this would happen only after the IMPRS application process has ended (approximately 3 months after the application deadline).

* **Please select:** **Yes, I agree.** **No, I do not agree.**

Please note: Some internet browsers have problems with transferring of very large files. Thus, if your PDF file exceeds 100 MB, you may consider splitting it up. In this - and only this - case your registration code can be used for two subsequent submissions; otherwise it can be used only once.

Reset

This registration system has been created by S. Greber and W. Grieger, GWDG, Göttingen.