

Carry out your own PhD project!

– in Single Cell Genomics and Mitochondrial Genetics –

supervised by

Dr. Dr. Leif S. Ludwig (Berlin Institute of Health, Charité,
Berlin Institute of Medical Systems Biology)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision of Dr. Dr. Leif S. Ludwig**. He is a Hector Research Career Development Awardee working at the interface of biology and medicine. He specializes in the development and application of single cell multi-omic applications to study stem cells in hematology, immunology and oncology and how genetic variation and mutations in our mitochondrial genomes contribute to human diseases.

Keywords

Single cell multi-omics, mitochondrial genetics, mitochondrial disease, hematology, immunology

Entry requirements

Strong interest in life sciences, computational biology, method development and/or translational research. Master degree in computer science, bioinformatics, biotechnology, biochemistry, engineering, mathematics, physics, biology, (molecular) medicine or a related field. Expertise and interest to work computationally and/or experimentally, in particular with (single cell) sequencing data. Projects can be tailored accordingly. We in particular encourage applications from students with a computational background. Strong motivation to work independently as well as in an interdisciplinary research team. Very good language and communication skills in English.

Lab Location

Berlin Institute of Medical Systems Biology, Hannoversche Str. 28, 10115 Berlin

Starting date

Between August and December 2021

Funding

limited to 3 years

How to apply

Please apply via the [HFA application portal](#). The Hector Research Career Development Awardees will arrange interviews (via skype or if feasible in-person) with the most promising applicants. The final candidates will be invited for a personal presentation on July 8, 2021 in Bremen (Germany). The final decisions will be announced by August 2021.

Application Deadline

April 15th, 2021

Enquiries

For further details about the group, please contact the Hector Research Career Development Awardee at: leif.ludwig@bihealth.de. For questions related to making your application, please contact Hector Fellow Academy Office: application@hector-fellow-academy.de or www.hector-fellow-academy.de