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