

**BERLIN INSTITUTE OF HEALTH (BIH) invites applications for:**

**PhD Students**

**IN COMPUTATIONAL BIOLOGY/BIOINFORMATICS**

Berlin Institute of Health (BIH) combines the excellence of its independent member entities: Charité – Universitätsmedizin Berlin and Max Delbrück Center for Molecular Medicine in the Helmholtz Association. BIH applies translational research and precision medicine to enhance the scientific exchange between biomedical basic research, clinical research, and clinical application and to utilize new scientific and to promote technological developments for new diagnostic, therapeutic, and preventive approaches for medicine and public health.

We seek motivated PhD students in computational biology/bioinformatics who will join Martin Kircher's Junior Research Group to work on sequence analysis, data mining and functional genomics. Based on a broad interest in genetics, epigenetics, evolution and adaptation, the group develops computational solutions to overcome technical and experimental obstacles in high-throughput sequencing-based protocols. With the increasing adoption of sequencing technologies in medical research and practice, currently the main focus area of the lab are computational approaches for identifying functionally relevant genetic changes in disease and adaptation, specifically in non-coding sequence.

Your profile:

- M.Sc. or equivalent in bioinformatics, computational biology or similar, alternatively in computer sciences with experience in molecular biology large-scale data analysis
- Fulfilling all registration requirements at a University (preferentially in Berlin) for an aspired PhD program
- Experienced in the use of a programming language such as Python, C++, or Java
- Basic understanding of statistical concepts and basic skills in an environment like R
- Interest in expanding knowledge and developing new approaches
- Interdisciplinary communication and English language skills

What we offer:

- Full-time with option to be part-time (TVöD/Bund E13, pay grade conditional on prior qualifications and federal regulations)
- Work on cutting-edge projects using state-of-the-art technology
- Access to BIH Core Facilities and computational resources
- Training in computational biology and career development
- Collaboration with internal and external partners

Starting date: March 1<sup>st</sup>, 2017 or later; duration: Initially 2.5 years with option of further extension.

We actively promote equality of all employees. We therefore welcome applications from women and men, regardless of their cultural and social background, age, religion, belief, disability or sexual orientation. Applicants with a disability are given preferred consideration if equally qualified.

To apply, please email a cover letter, your CV (both in English), contact address of at least two professional referees, transcripts and certificates of your degrees indicating **Application Kircher Group** to [jobs@bihealth.de](mailto:jobs@bihealth.de). Please submit your application as one file, maximum size 8 Mb.

For enquiries about the position please contact Dr. Martin Kircher, e-mail: [mkircher@uw.edu](mailto:mkircher@uw.edu)