The Charité - Universitätsmedizin Berlin is a joint medical faculty, which serves both Freie Universität Berlin and Humboldt Universität zu Berlin. As one of the largest university hospitals in Europe with an important history, it plays a leading role in research, teaching and clinical care. The Charité university hospital has also made a name for itself as a modern business with certifications in the medical, clinical and management fields.

The Berlin Institute of Health (BIH) is a biomedical research institution focusing on translational research and precision medicine. BIH is dedicated to improving the prediction in progressive diseases and developing new medicinal products for advanced therapies in order to improve patients' quality of life. The institute is committed to providing excellent research solutions and innovation enabling value-based, personalized healthcare.

Postdoctoral Researcher in
BIOINFORMATICS / COMPUTATIONAL GENOMICS

A postdoc position in computational genomics is available in our Genome Informatics research group at the Berlin Institute of Health/Charité. The group specializes in algorithm development for the analysis of high-throughput sequencing data with a focus on human structural variation. Our aim is to advance the abilities to reliably detect and accurately genotype all types of genomic variation by exploring new types of data and combining algorithmic and statistical approaches. The ultimate goal is to apply our methods to clinical data. For more information, please visit https://kehrlab.github.io

Your area of responsibility:

- Develop and implement novel computational methods for the detection of germline structural variation
- Explore the integration of new sequencing data types (e.g. long reads, linked reads) into such methods
- Apply these methods to whole-genome sequencing data sets
- Collaborate with internal and external partners

Your profile:

- PhD degree in computational biology, bioinformatics, computer science, statistics, or a related field
- Knowledge of sequence analysis algorithms
- Proficiency in a programming language such as C++, Java or Python
- Strong interest in working with genomic data
- Good communication skills in spoken and written English

Start date: May 1st, 2019

Length of employment: 2 years

Working time: 39 hrs per week

Pay Scale: E13 (100%) according to collective agreement TVöD VKA-K

Employees are grouped into pay scales according to their qualifications and personal requirements. You can find our collective bargaining agreements (Tarifverträge) here: https://www.charite.de/en/careers/

Applications including a CV, list of publications and up to three reference letters should be addressed to birte.kehr@bihealth.de by **March 31st, 2019** indicating the job ID **CC04-BIH-08.19**. Please submit your application as one file in PDF format (max. 8 MB).

DIE CHARITÉ – UNIVERSITÄTSMEDIZIN BERLIN makes its human resources decisions based on suitability, competence and professional performance. At the same time, it strives to increase the percentage of women in management positions and takes this into consideration where candidates are equally qualified within the limits of what is legally possible. Applications from people with a migrant background are also explicitly welcome. Severely disabled applicants are given preferential consideration in the case of candidates with equal qualifications. An extended certificate of conduct must be submitted. Any travel expenses incurred cannot be reimbursed. Data protection notice: Charité points out that personal data is stored and processed as part of the application process in different areas of Charité (e.g. faculty, staff committee, human resources department). Furthermore, the data may be transferred or processed within the group as well as in locations outside the group (e.g. authorities) to protect legitimate interests. By applying, you agree to our data protection regulations and terms of use, which you can find here.