The Department of Computational Biology for Infection Research at the Helmholtz Centre for Infection Research (HZI) is looking for a highly motivated

Postdoc in Computational Biology

The Department of Computational Biology of Infection Research at the HZI, led by Prof Dr Alice C. McHardy, is looking for excellent postdocs in computational biology and encourages unsolicited applications.

The goal of our projects is the development of algorithms and computer-aided methods for personalized infection medicine, particularly clinical metaomics, vaccine and drug design, as well as development of core technologies for meta- and other omics analyses. The methods that we develop make use of concepts from machine learning, phylogenetics and population genetics. The lab co-organizes the Critical Assessment of Metagenome Interpretation challenge, hosts the bioinformatics unit of the German Center for Infection Research, and is well connected to local, national and international partners from medicine, biology and computer science. The lab’s projects offer plenty of opportunity for an excellent bioinformatics postdoc to shine.

Requirements: The candidate should have a PhD degree in bioinformatics, machine learning, biomathematics, computer science, statistics or similar and a competitive publication record. A commitment to reproducible research, the ability to work in a highly interdisciplinary research field and very good programming skills are obligatory. Prior experience in meta’omics, infection research, statistical learning or with the analysis of NGS data sets is advantageous, but not required.

Location: Braunschweig (Germany)
Starting date: As soon as possible
Probation period: 6 months
Salary: TVöD E13.2 – E14.2 (~54.000 € – 63.000 € pre-tax, depending on qualifications)

The lab is part of the Helmholtz Center for Infection Research, the Braunschweig Integrated Center for System Biology (BRICS) and Technical University of Braunschweig, Germany. The Helmholtz society is the largest research organization in Germany and ranked 7th among the research institutions in the world. Braunschweig is a centrally located city in Germany, with many scientific institutions, recreational areas, comparably modest costs of living and about 250.000 residents.

Application
Please find here the contact details for Prof. Alice McHardy or Lorina Reinhardt for further questions.

**Equal Opportunities**
Qualified applicants with a disability will be given preference. Qualified women are especially invited to apply.

Please send your electronic application materials including a letter of motivation, curriculum vitae, copies of your most important publications and addresses of two or three referees referring to **code PD/2020** by E-Mail to:

jobs.BIFO@helmholtz-hzi.de