Job posting

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Title 99/2020 Postdoc in Computational Biology (f/m/d)

Institution 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 centrally located in Germany, thus ideal to explore the country in all directions, with many scientific institutions, recreational areas, comparably modest costs of living and around 248.000 residents.

Position The Department of Computational Biology of Infection Research, led by Prof Dr Alice C. McHardy at the Helmholtz Centre for Infection Research (HZI), is looking for a highly motivated Postdoc in Computational Biology (f/m/d).

Responsibilities 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 (DZIF), and is well connected to local, national and international partners from medicine, biology and computer science. The department offers many projects with the opportunity for an excellent postdoc to shine, a supportive and family friendly work environment, as well as attractive salaries.

Requirements The candidate should have a PhD degree in bioinformatics, computational biology, 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, independently and within a team, as well as very good programming skills are obligatory. Prior experience in metaomics, infection research, statistical learning or with the analysis of NGS data sets is advantageous, but not necessary.
Qualified applicants with a disability will be given preference. Qualified women are especially invited to apply. The position is suitable for part-time.

Starting date: January 2021, initial contract for 2 years with possible extensions
Salary: E14 TVöD Bund
Probation period: 6 months
Location: Braunschweig (Germany)
Closing date: 18.10.2020

Please confirm that you have read and understood our privacy policy and that you agree to the processing of your personal data (text module, see privacy policy, https://www.helmholtz-hzi.de/en/service/data-protection/#c33722) when you send us your application documents. Without these declarations we cannot consider or further process your application and will delete already received documents at the end of the application period.

Contact
Please find here the contact details for Prof Dr. Alice McHardy and Lorina Reinhardt for further questions (https://www.helmholtz-hzi.de/en/nc/research/research-topics/bacterial-and-viral-pathogens/computational-biology-of-infection-research/team/#anchorsection).

Please send your 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 99/2020 to:

Helmholtz Centre for Infection Research, Dept. of Human Resources, Inhoffenstraße 7, 38124 Braunschweig

or in one single pdf document by E-Mail to: JobsHZI@helmholtz-hzi.de.