Job posting

Type of position

- ☒ scientific
- ☐ administrative

Target group

- ☒ graduates
- ☒ post docs
- ☒ other

Title

116/2020 Postdoc position: Computational biology or bioinformatics (f/m/d)

Institution

The department/research group Computational Biology for Individualised Medicine of Prof. Dr. Yang Li at the Helmholtz Centre for Infection Research (HZI)/the Centre for Individualised Infection Medicine in Hannover, Germany is offering a Postdoc position: Computational biology or bioinformatics (all genders)

Position

Responsibilities

The goal of our projects is the development of algorithms and computer-aided methods to analyze multi-omics datasets (including single cell RNA sequencing data) from patients, to identify crucial molecules in determining disease phenotypes which can be used as therapeutic targets for personalize medicine in infection research. The methods that we employ or develop in our research are related to the fields of machine learning and systems genetics. The lab is one of the key members of the Human Functional Genomics Project, (http://www.humanfunctionalgenomics.org/), and has piloted the first functional genomics study in large human cohorts (Li et al, Cell 2016; Li et al, Nat Med, 2016, Bakker et al, Nat Immunol, 2018) and collaborates locally, nationally and internationally with biologists, immunologist and medical experts.

Requirements

- PhD Degree/Diploma in bioinformatics/computational biology/statistics/computer science, or a related field of the life sciences
- Excellent English communication skills (written and spoken)
- Ability to work independently and as part of an international team
- Skills in computer programming (e.g. R, JAVA, Perl), experience with different operating systems (Linux, Windows)
- Excellent communication and reporting skills
Equal Opportunities are part of our personnel policy. Qualified applicants with a disability will be given preference. The position is suitable for part-time.

The department is part of the Helmholtz Centre for Infection Research (http://www.helmholtz-hzi.de/), the Centre for Individualised Infection Medicine and the Medical School Hannover, Germany.

Starting date: As soon as possible - Initial contract for 2 years
Salary: TVöD E13
Probation period: 6 months
Place of work: Hannover
Closing date: 06.12. 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 your application or process it further and will delete already received application documents at the end of the application period.

Contact
Please send your application including a letter of motivation, curriculum vitae, copies of your most important publications and addresses of two or three referees referring to code 116/2020 to Helmholtz Centre for Infection Research, Dept. of Human Resources Inhoffenstraße 7, 38124 Braunschweig or by E-Mail (in 1 pdf) to: JobsHZI@helmholtz-hzi.de

Further information about the institute and the research group of Prof. Dr. Yang Li can be found on our website: https://www.helmholtz-hzi.de/en/research/research-topics/immune-response/computational-biology-for-individualised-medicine/yang-li/