



Senior Bioinformatician

The Institute for Medical Genetics and Human Genetics of the Charité and the Core Unit Bioinformatics of the Berlin institute of health are jointly looking for a highly motivated, detail-oriented individual. As a Senior Bioinformatician & Operations Engineer, you will be responsible for the management and primary analysis of genomic variant- and phenotype-data generated in a highly translational project of the national action league for people with rare diseases (NAMSE, Nationales Aktionsbündnis für Menschen mit Seltenen Erkrankungen). For Translate NAMSE you will be operating systems for sharing genome- and phenomena-data and supporting coworkers and collaborators in using these systems.

Our group is passionate about the efficient phenotype-driven analysis of exomic and genomic variants in the clinical context. The ideal candidate will be a team player with in-depth understanding of genomic variant and phenotype data and be proficient in the operation of systems for the storage and management of such data. Further, the candidate will have excellent communication skills for providing training and support for the system users and also present summaries of the scientific progress to the different stakeholders.

Job duties include:

- Installing and operating database systems for the storage and management of genomic variant data and phenotype data as well as variant prioritization systems
- Create automatization solutions for integrating the system and securely sharing the data through the systems with collaborators
- Apply NGS data analysis workflow solutions for deriving genomic variant data in cooperation with the bioinformatics core unit
- Perform phenotype-based prioritization of variants in the clinical context together with bioinformaticians and clinical/biomedical coworkers
- Educate clinical and biomedical staff in the use of the systems and supporting them in using the systems efficiently

Position Requirements:

- MS degree in bioinformatics, computer science, genetics, or similar with at least three years of work/research experience
- In depth understanding of computational methods for NGS analysis, and the usage of public data resources required
- Sound experience in the analysis of genomic variants for rare diseases is required, in-depth knowledge of human genetics is a strong plus
- Excellent programming skills in Bash and at least one of Python or Java required, experience in writing well-documented and well-tested code required, knowledge of common web technologies (HTML, CSS, Javascript) is a strong plus
- Demonstrated ability to troubleshoot problems with academic software is required, ability to work well with existing code base and quickly trace and solve problems/create good bug reports is a strong plus
- Proven experience in operating Linux servers in a stable and secure way and installing and operating server software applications is required, proficiency in working in a Linux/SGE cluster environment is a strong plus
- Demonstrated ability to generate high-quality documentation of system installation and configuration is a strong plus
- Good written and verbal communication skills in both German and English and team-oriented attitude is required, experience with working in interdisciplinary teams centered clinical questions and with external collaborators is a strong plus

Salaries are set according to TV-Charite up to level E13, according to qualification and experience. Appointments are made for an initial period of 3 years with possibility of extension. Please send your application to peter.krawitz@charite.de with the subject TRANSLATE NAMSE

The Charité Universitätsmedizin Berlin meets the personnel decisions on the suitability, competence and professional performance. When equally qualified, we prefer people with severe disabilities. In addition, we aim to increase the proportion of women among academic staff and encourage women to apply. When equally qualified women will be given priority in the context of legal options. Applications from people with immigrant backgrounds who meet the recruitment requirements are welcome. Should any difficulties in the interpretation occur, the German version of this job offer shall be binding.