



## Postdoctoral research fellow in Bioinformatics

### Job description

The Genomics groups of Laboratory for Functional Genome Analysis (Lafuga, see <http://www.blum.genzentrum.lmu.de/>) at the Ludwig Maximilians Universität is looking for a highly motivated postdoctoral researcher with strong computational skills who is interested particularly in analysis of next generation sequencing (NGS) data in cancer evolution research.

Lafuga Genomics has established a platform for biomedical research to provide knowledge in sequencing and analysis of genomes and transcriptomes to a large number of collaboration partners at the LMU, at the TU Munich, the Helmholtz centre or at the Max Planck Institute. Lafuga Genomics is participating in the Collaborative Research Center (CRC) *Cancer Evolution* (SFB 1243, see <http://www.sfb1243.biologie.uni-muenchen.de/>) in a central project and provides next generation sequencing, data management and analyses. This CRC offers a highly multidisciplinary field and close collaboration of clinicians, experimentalists, statisticians, biologists, and physicists. Within this CRC our lab is integrating cutting edge sequencing technologies (e.g. Illumina, Oxford Nanopore). Besides sequencing Lafuga is running the central data management system of the CRC. It houses all sequencing and meta data and provides state-of-the-art tools for computational data analyses.

The main tasks of the postdoctoral researcher will be to handle the central data management system, to conduct analyses for various CRC related sequencing projects and to develop methods for to the analyses of NGS data (e.g. sequencing of single or bulk cells, transcriptomes and exomes). The position is offered for the funding period of the CRC 1243 (initially 2,5 years). The earliest start date is 1st March 2017.

### Desired skills and experience

- PhD in bioinformatics, computational biology, or related fields
- Good scripting and programming skills (R, shell scripts, C, python)
- Knowledge in Unix/Linux administration
- Knowledge in database systems
- Experience in working with next generation sequencing data
- Language skills: Fluent in English and German
- Networking with all partners

### About the employer

The University of Munich (LMU) is steadily ranked among the top ten universities within Germany and top 50 worldwide. Besides the biomedical campus of the LMU there are many well-known life science institutes and companies distributed within and around the city of Munich. Munich also provides a variety of cultural and recreational activities. The Alps are less than one-hour drive away. The salary is according to TV-L/E13. The LMU is an equal opportunity employer: handicapped candidates with equal qualifications will be given preference.

To apply, please send a single PDF including cover letter, CV, and two references to [blum@genzentrum.lmu.de](mailto:blum@genzentrum.lmu.de).