

The Core Unit Systems Medicine is in the heart of genomics research at the University and University Hospital of Würzburg. We offer a position as

**Scientist/Postdoc in Bioinformatics / Next-Generation-Sequencing**  
**Core Unit Systems Medicine, Interdisciplinary Center for Clinical Research (IZKF)**

*Full time, part time, temporary*

**Your area of responsibility**

- collaborate within multidisciplinary teams of scientists to perform genomics data analyses and interpretation aimed at understanding molecular mechanisms in biomedical research
- work on analysis pipelines for transcriptomics in bulk, low input, and single cell samples
- evaluate and develop tools for the analysis and visualization of Next-Generation-Sequencing (NGS) data and implement these tools in our analysis pipelines
- ensure high data quality by data tracking in our database and file storage system as well as summarizing final results
- work concerted with our scientists and bioinformaticians

**Who you are**

- You have a doctoral/PhD degree in bioinformatics, computational biology or a related discipline
- You have excellent computer skills and you are used to work in a UNIX environment
- You are experienced in handling NGS data as well as NGS analysis tools.
- You have demonstrated experience in gene expression profiling and deep sequencing approaches as shown by your publication record
- You have strong programming skills in R/Bioconductor and at least one additional programming language (e.g. Python, JavaScript, C++, ...)
- You are experienced in data visualization with vector (SVG) and pixel graphics, both static and interactive
- Additional knowledge in project management would be beneficial
- You are a results-oriented problem solver; you work reliably, sustainably, accurate and systematic
- You are clear and open in communication and enjoy working in a multicultural and multidisciplinary team
- You have excellent verbal and written communication skills in English (German would be an advantage)

### Who we are

- The Core Unit Systems Medicine is a joint institution of the Medical Faculty of the University of Würzburg and the Interdisciplinary Center for Clinical Research (IZKF) of the University Hospital Würzburg (UKW).
- The Core Unit Systems Medicine provides a unique research environment with state-of-art genomics technologies and computational resources.
- Our team works in close collaboration with scientists across different fields of biomedical research (infectious diseases, oncology, neuroscience, ...).
- Moreover our team members contribute and participate in high quality publications (see e.g. *Erhard et al.*, 2019, *Nature*, PMID: 31292545, *Munawar et al.* 2019, *Blood*, PMID: 31340981, *Maurus et al.* 2018, *J Invest Dermatol.* PMID: 29481902, *Müller et al.* 2018, *Nature*, PMID: 30333624).

### We offer you

- a challenging and versatile field of work and the freedom to develop new ideas
- a position that will be initially limited to 2 years with the possibility for long-term extension and conversion to a permanent status
- a position that can be filled in full- or part-time
- flexible working hours, a nursery directly at the campus, "Elder Care" concept as well as other consultation and support options
- a salary based on the pay scale for the public sector in Germany (TV-L) according to your qualification.

The University and University Hospital endorse a system of equal opportunities. In order to increase the proportion of women, we would be pleased to receive applications. Candidates with disabilities are given preference if they are of equal qualification.

We are looking forward to receiving your application including your letter of motivation, CV, certificates, and two academic references as a single PDF-file via E-mail to

tobias.heckel@uni-wuerzburg.de

Please send applications by **March 31st, 2020.**

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