Hier entsteht Zukunft!

Zertifikat seit 2004
audit familiengerechte
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UNIVERSITÄT
DES
SAARLANDES

Saarland University is a campus university with an international reputation for research excellence, particularly in computer science and in the life sciences and nanosciences. The university is also distinguished by its close ties to France and its strong European focus. Around 17,000 students, studying over one hundred different academic disciplines, are currently enrolled at Saarland University. Saarland University is officially recognized as one of Germany's family-friendly higher-education institutions and with a combined workforce of more than 4000 it is one of the largest employers in the region.

The Chair for Clinical Bioinformatics at the Center for Bioinformatics in Saarbrücken is inviting applications for the following position commencing at the earliest opportunity.

Academic research assistant (m/f/x)

Reference number W2257, salary in accordance with the German TV-L salary scale[1], pay grade: E13 TV- L, duration of employment: 3 years, volume of employment: 100 % of standard working time.

Workplace/Department:
A constant demand for large-scale computational analysis of microbiological data arises due to the challenge of antimicrobial resistance, the low rate of new antimicrobial compound discovery, and the prevalence of microbial pathogens. On the intersection of informatics, experimental microbiology, and clinical application, the Chair for Clinical Bioinformatics is looking for a junior bioinformatician with a completed master's /PhD degree in bioinformatics or related to join our chair.

Together with the Helmholtz-Institute for Pharmaceutical Research Saarland (HIPS) and the Saarland University Medical Center (UKS) the candidate will be involved in the early stages of biomarker discovery, antimicrobial resistance detection, and drug development, providing the bioinformatics backbone to these endeavors. Spoiled with data from different sequencing technology, experimental setups, and study sizes, we are looking for a dynamic, motivated, and innovative mind to join our chair. We explicitly encourage the candidate to pursue a PhD / Habilitation if the requirements are met.

Job requirements and responsibilities:
- Identification, classification, and annotation of novel bacterial genomes

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[1] TV-L = collective agreement on remuneration of public sector employees in the German *Länder*
The pay grade assigned to an employee depends on their professional qualifications and the number of years of service. Each pay grade is further subdivided into levels. Entry-level employees with no previous experience will initially be assigned a level 1 rating. After one year at level 1 of the E10 pay grade, an employee will move up to level 2. After a further two years, the employee will move to level 3, etc.

- Interpretable biomarker discovery with statistical learning methods
- Development of bioinformatic tools and pipelines for analysis of metagenomic datasets
- Processing and analysis of metagenomic and bacterial genomic data
- Collaboration with other scientists to gain new insights into microbial ecosystems and their role in the environment and health

Your academic qualifications:
- Completed academic degree (Master or PhD) in Bioinformatics, Medical informatics, Computational Biology, Biotechnology, Computer science with natural sciences minor, or a related profession. The opportunity to pursue a PhD (Master entry level) or Habilitation (PhD entry level) will be granted.
- Experience in evaluating high-throughput sequencing data both from short-read platforms, for instance Illumina, in particular RNA- and DNA-sequencing or metagenomics, and from long-read platforms, e.g., Oxford Nanopore.
- Strong knowledge on the principles of bioinformatics-driven data analysis, i.e., to process large data sets in a comprehensive manner as being able to draw reliable and effective conclusions.
- Broad fundamental knowledge on molecular biology and microbiology.
- Strong knowledge on scientific programming (C++ / Python / R, or similar), modern software engineering and efficient algorithms.

The successful candidate will also be expected to:
- Be comfortable to work on UNIX-based operating system and the according CLI-tools
- Work independently and result oriented
- Collaborate with clinicians, biologists, and other developers
- Support lectures and occasionally teach under supervision
- Supervise students during their thesis (Bachelor/ Master)

What we can offer you:
- A flexible work schedule allowing you to balance work and family, among other things the possibility of teleworking
- Secure and future-oriented employment with attractive conditions
- A broad range of further education and professional development programmes (for example language courses)
- An occupational health management model with numerous attractive options, such as our university sports programme
- Supplementary pension scheme (RZVK)
- Discounted tickets on local public transport services ('Job-Ticket Plus' of the saarVV)

We look forward to receiving your **meaningful online application** (in a PDF file) by **01.05.2023** to **bewerbung@uni-saarland.de**. Please include the reference number **W2257** in the subject line of the e-mail.

If you have any **questions**, please contact us for assistance. Your contact:
Herr Prof. Andreas Keller
Clinical Bioinformatics
Tel.: andreas.keller@ccb.uni-saarland.de

Pay grade classification is based on the particular details of the position held and the extent to which the applicant meets the requirements of the pay grade within the TV-L salary scale. Part-time employment is generally possible.
If you have obtained a foreign university degree, a proof of the equivalence of this degree with a German degree by the Zentralstelle für ausländisches Bildungswesen (ZAB) is needed before hiring. If necessary, please apply for this in time. You can find more information at https://www.kmk.org/zeugnisbewertung.
Unfortunately, neither costs for attending an interview at Saarland University nor costs for any certificate evaluation by the ZAB can be reimbursed in principle.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual orientation and identity. In accordance with its policy of increasing the proportion of women, the University actively encourages applications from women. Applications from severely disabled persons will be given preferential consideration in the event of equal suitability.

When you submit a job application to Saarland University you will be transmitting personal data. [Please refer to our privacy notice for information on how we collect and process personal data in accordance with Art. 13 of the Datenschutz-Grundverordnung](). By submitting your application you confirm that you have taken note of the information in the Saarland University privacy notice.