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 department of 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 W1796*, salary in accordance with the German TV-L salary scale¹, pay grade: E13, for 2 years, employment: 100 % of standard working time.

**Workplace/Department:**

Single cell analyses cause enormous amounts of data, which can only be evaluated with efficient computer-aided methods. Modern medicine and genetic research offer exciting fields of application for talented bioinformaticians to answer many of the questions that are crucial but unresolved for society.

This primarily requires advanced knowledge in programming, algorithms and biostatistics as well as statistical and machine learning, but also modern neuroscience and genetics. Together with its international partners, the Chair of Clinical Bioinformatics is working on several studies on gene expression in the human body, in ageing, in neurodegenerative diseases and detection or treatment, e.g. by artificial rejuvenation.

We are looking for creative and motivated people who will integrate seamlessly into our team.

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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.
Job requirements and responsibilities:

- The main focus of the advertised position is to evaluate large-scale RNA sequencing studies, especially in the field of single cell genomics.
- Development of web-based applications
- Evaluation of biomedical data using machine learning and artificial intelligence

Your academic qualifications:

- Completed scientific university studies (Master or PhD) in bioinformatics, computer science or a related discipline. The opportunity to pursue a PhD is given.
- Proficient knowledge in programming, software development and algorithms (C++ / Python / R or similar)
- Knowledge in analysis of sequencing data, especially in the field of RNA/DNA.

The successful candidate will also be expected to:

- Knowledge in handling distributed computing and modern server-infrastructure
- Willingness to independently work with new and complex topics
- Willingness to teach in the Bachelor & Master Bioinformatics programs and to supervise final theses
- Experience with UNIX-based operating systems and their CLI tools is an advantage

What we can offer you:

- A flexible work schedule allowing you to balance work and family
- A broad range of further education and professional development programmes
- 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 ('Jobticket')

We look forward to receiving your application. Please quote reference number W1796 when applying. Applications must be received by no later than 15 December 2020 and should be sent to the following address:

Email: andreas.keller@ccb.uni-saarland.de

If you have any questions, please contact Prof. Keller by E-Mail for assistance.

In accordance with the objectives of its equal opportunities plan, Saarland University seeks to increase the proportion of women in this field. Qualified women candidates are therefore strongly encouraged to apply. Preferential consideration will be given to applications from disabled candidates of equal eligibility. The successful candidate has the option of choosing to work part-time in this position.

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.

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.