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 group of Algorithmic Bioinformatics (Prof. Sven Rahmann) at the Computer Science Department and Center for Bioinformatics is inviting applications for the following position commencing at the earliest opportunity.

Academic research assistant (m/f/x)
Reference number W2020, salary in accordance with the German TV-L salary scale, pay grade: E13, employment: for 3 years, 100 % of standard working time.

Workplace/Department:
We offer an academic research assistant (m/f/x) position in the Algorithmic Bioinformatics group at the Computer Science Department and Center for Bioinformatics.

The group, led by Prof. Sven Rahmann, develops novel algorithms for pressing problems in Bioinformatics, such as finding genetic causes of rare diseases, estimating genetic diversity (e.g., of virus outbreaks), and reducing the resources and energy requirements for bioinformatics analysis. Our original methodological portfolio comprises extremely fast and compact hashing algorithms, and probabilistic methods to analyze genome-scale datasets, including machine learning techniques. We apply our methods in clinical or research settings and help our collaborations partners to analyze their datasets. Some well known tools developed in the group are the workflow management system Snakemake, the methylation analysis tool amplikyzer2, the adapter removal tool cutadapt, the DNA motif discovery tool MoSDi, and many others. Several former PhD students of the lab have in the meantime become professors, and others are enjoying successful careers in industry.

Job requirements and responsibilities:
- Conducting research in algorithms for bioinformatics problems
- Writing publications and giving presentations both internally and externally at research meetings
- Teaching in the Bioinformatics programs (B.Sc., M.Sc.) of Saarland University (4 SWS), in German or English
- Co-supervision of Bachelor and Master theses in the Bioinformatics program
- Taking care of a small part of the group’s (computational) infrastructure
- Contributing to grant proposals of the group
- Attaining the next qualification goal (your PhD or habilitation or qualification for independent group leadership)
Your academic qualifications:

• Completed scientific university studies in bioinformatics, computer science or a related discipline (Master or PhD).
  (The opportunity to pursue the next qualification goal, PhD degree or habilitation or qualification towards own
group leadership, is provided.)

The successful candidate will also be expected to:

• Build on solid algorithmic foundations (as demonstrated by your Master’s degree transcript of records)
• Have experience in Programming in several modern languages (Python, Rust, C++, R if needed, etc.)
• Have some experience in the analysis of sequencing data (DNA/RNA)
• Use the terminal and be comfortable with desktop and server based Linux OS environments, including clusters
• Develop command-line based, GUI-based or browser-based applications for use by non-computer-scientists
• Show willingness to work independently on new and complex topics
• Have some teaching / tutoring experience (e.g., as a student tutor)

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
  programmes
• Supplementary pension scheme (RZVK)
• Discounted tickets on local public transport services (‘Jobticket’)

We look forward to receiving your PDF application. Please quote reference number W2020 when applying.
Applications must be received by no later than 31 December 2021 and should be sent to the following address:
Universität des Saarlandes
Prof. Dr. Sven Rahmann
ZBI, Algorithmic Bioinformatics
Email: sven.rahmann@uni-saarland.de

If you have any questions, please contact us for assistance. Your contact:
Prof. Dr. Sven Rahmann (see email above)

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.

We welcome applications regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, and sexual
orientation and identity.

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.

Unfortunately, costs for attending an interview at Saarland University cannot be reimbursed in principle.

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.