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 Biophysics is inviting applications for the following position commencing at the earliest opportunity.

**Academic research assistant (m/f/x)**

**Reference number W1769**, salary in accordance with the German TV-L salary scale\(^1\), pay grade: E13, as soon as possible, initially for two years, employment: 100% of standard working time.

**Workplace/Department:**
Biophysics, CIPMM, Department Prof. Dr. Markus Hoth
Member of a highly motivated international, multidisciplinary team, which analyzes medically-relevant interactions between immune and cancer cells.

**Job requirements and responsibilities:**
- Development/adaptation of algorithms (detection, identification, segmentation, tracking of cells from time lapse imaging data obtained by microscopy. Analysis of interactions between immune and cancer cells in videos obtained by epifluorescence and fluorescence microscopy.
- Integration of these algorithms into a fully automated software (local or cloud-based) which allows analysis of time-lapse experiments by users without informatics background on a routine basis.

**Your academic qualifications:**
- Completed university studies in informatics, bioinformatics, mathematics, physics or similar. The position is suited for either a PhD student or postdoc. The opportunity to receive a PhD (also in cooperation with informatics) is granted.

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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.
The successful candidate will also be expected to:
• Very good programming proficiency
• Experience with image analysis
• Interest in algorithm and AI
• Enthusiasm to work with motivation in a multidisciplinary team
• Very good knowledge of English
• Proficiency in German 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 (written) application. Please quote reference number W1769 when applying. Applications must be received by no later than 13 October 2020 and should be sent to the following address:
Universität des Saarlandes
Herr Prof. Dr. Markus Hoth
Biophysics
CIPMM, Building 48
66424 Homburg
Email: markus.hoth@uks.eu

Application documents will not be returned. Please only submit copies of your documents and do not use plastic wallets, folders, ring binders, etc.

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.