Advertisement D 160-18

At the University of Rostock, Faculty of Computer Science and Electrical Engineering, Institute of Computer Science, Chair of Modelling and Simulation, subject to fund allocation, applications are invited for the position, starting January 1, 2019 until the end of the project on June 30, 2021, of a

Postdoctoral Researcher (*gn)
(pay scheme TV-L E13, temporary, full-time)

Scope:
As part of the research project “Domain-specific languages for developing multi-scale, spatio-temporal, biochemical models and their application” of the CRC 1270 ‘Electrically Active Implants – ELAINE’ simulation models are developed to analyse the behaviour of biological cells within an electric field. Therefore simulation studies are conducted at different temporal and spatial scales and are put into relation with each other. In addition to developing these simulation models in cooperation with other partners of the CRC, the goal of the project is to develop domain-specific languages and methodological approaches which support the development of simulation models and the execution of simulation experiments and to relate these across different scales and simulation studies. The postdoctoral researcher will particularly focus on methodological developments within the project in the area of spatial, multi-scale modelling and simulation methods, workflows, provenance or spatial statistical model checking.

Requirements:
- university degree (MSc, diploma or equivalent) in computer science, bioinformatics, physics or mathematics with very good results
- doctorate in an area relevant to the research project
- knowledge in modelling and simulation
- experiences in developing methods in the area of modelling and simulation, workflows, provenance or spatial statistical analysis
- interest in interdisciplinary research
- very good programming skills
- excellent command of the English language
- relevant publications in recognized scientific journals

We offer:
- a multi-faceted, diverse and challenging occupation at a university which is rich in tradition but at the same time innovative, modern and family-friendly being situated in an attractive city at the Baltic Sea
- participation in the Collaborative Research Center 1270 ‘Electrically active implants - ELAINE’ www.elaine.uni-rostock.de
- employment in accordance with the provisions of the public sector's wage agreement (TV-L)
- possibility of habilitation
- the remuneration will be paid in accordance with remuneration group 13 TV-L if the personal and tariff prerequisites are satisfied

**Further information**

The position is generally suitable for part-time work. If appropriate applications are received, it is examined whether the part-time wishes can be fulfilled within the employment opportunities.

The limitation of the term of employment complies with § 2 (1) WissZeitVG.

Equal opportunity is an essential part of our human resources policy. The advertisement addresses all no matter what gender (*gender-neutral). In case of equal qualification, applications from severely disabled people or equivalent are explicitly welcome. The University of Rostock seeks to increase the proportion of women in research and teaching and particularly encourages female applicants to apply for this position. We welcome applications from people of other nationalities or with a migration background.

We are looking forward to your application. Please send your informative documents including the job advertisement number (as well as your e-mail address and phone number) until **November 21, 2018** to bewerbungen.personal@uni-rostock.de and to adelinde.uhrmacher@uni-rostock.de. Applications should be sent as a single pdf-document.

Please note that the Federal State of Mecklenburg-Vorpommern does not reimburse application and travel costs.

For further questions, please contact:

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