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 of a Doctoral Researcher (pay scheme TV-L E13, full-time, at the earliest possible date for 4 years)

The research is carried out within the project A01 ‘Domain-specific languages for developing multi-scale, spatio-temporal biochemical models and their application’ of the DFG Collaborative Research Centre (CRC) 1270 ‘Electrically Active Implants’ – ELAINE. Further information: www.elaine.uni-rostock.de.

Tasks:
Simulation studies shall be conducted to study in close cooperation with experimentalists cellular responses to external electrical fields. These studies refer to different spatio-temporal scales from membrane related dynamics up to cell functions like differentiation and cell-cell interaction. For developing such models and executing individual in-silico experiments and even entire simulation studies effectively, domain-specific languages play an increasingly important role. The methodological research aims at exploring this role for multi-scale spatio-temporal simulation studies more deeply, at advancing multi-scale spatio-temporal modelling languages and their efficient execution, and at refining spatio-temporal logics for an effective model-based checking of trajectories.

Expected appointment requirements:
The preferred candidate should have
- an excellent master’s degree in computer science, mathematics or physics,
- interest in interdisciplinary research and medicine,
- very good programming skills, knowledge of software engineering
- interest / experiences in formal language and algorithm design, statistics, and modelling and simulation.
- very good knowledge of the English language is mandatory.
- Willingness to work seriously and committed to a project of its own scientific qualification is expected.

We offer:
- a multi-faceted, diverse and challenging occupation in a university which is rich in tradition but at the same time innovative, modern and family-friendly being situated in a lively city at the Baltic Sea
- the possibility of pursuing a dissertation
- employment in accordance with the provisions of the public sector’s wage agreement (TV-L)
- the remuneration will be paid in accordance with remuneration group 13 TV-L/13 Ü if the personal and tariff prerequisites are satisfied
- full-time job

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. 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. Applications from foreign scientist and people with migration background are appreciated.

We are looking forward to your application. Please send your application including the job advertisement number above, in a single pdf-format to dezernat.personal@uni-rostock.de and adelinde.uhrmacher@uni-rostock.de. Application deadline is June 28, 2017.

Please note that application and travel costs are not reimbursed by the Federal State of Mecklenburg-Vorpommern.

For further questions please contact:

CRC 1270 ELAINE Prof. Dr. Adelinde Uhrmacher Tel. +49 381 498 7610 adelinde.uhrmacher@uni-rostock.de

Administration Mrs. Franziska Lobe Tel. +49 381 498 1291

Application deadline: June 28, 2017

Postal address:
Universität Rostock
Dezernat Personal- und Personalentwicklung
D 18051 Rostock