

Job post: Scientific application developer

Job title	Scientific application developer
Research group	SEMS (http://sems.uni-rostock.de)
Department	Systems biology and bioinformatics (Rostock University)
Salary	E13 (according to the German salary scheme)
Hours	Full-time, for a duration of 15 months starting from June 2015
Reporting to	SEMS, Dr. Dagmar Waltemath, Department of System biology and bioinformatics, D-18051, University of Rostock, dagmar.waltemath@uni-rostock.de

Job description

We offer participation in a young, dynamic and international environment. The SEMS group is part of the Systems Biology and Bioinformatics group that is headed by Prof. Olaf Wolkenhauer (<http://sbi.uni-rostock.de>). In SEMS, we focus on the development of tools and methods for improved reuse of simulation models in computational biology. We also contribute actively to standard development in the COMBINE community.

The University of Rostock provides excellent campus facilities, and actively supports professional and personal development, e.g. through a graduate academy.

We seek a full-time scientific programmer to continue the development of the existing SBGN-ED software (<http://sbgn-ed.org>). The project runs for 15 months. The project goals are to support the latest version of a graphical standard for network visualisation, SBGN, and to extend the functionality of the software. To achieve the requirements of the position, the post holder will be expected to:

- Be familiar with academic/research environment
- Contribute to the open standard development, including participation in SBGN development efforts and related meetings
- Travel to project partners on a regular basis (specifically: for up to one month at the start of the project)
- Actively engage with the SEMS team members to quickly gain an understanding of both their scientific subject domain and computational techniques they use
- Provide suitable technical documentation for the developed application, including reports to the funders

Essential experience:

- Recent Java development experience, particularly with the creation of GUIs and libraries
- Demonstrable experience of working across a range of technical systems together with the willingness to learn new technologies, including:
 - Unit, Integration testing, code coverage
 - Ant, Maven build tools
 - Version control systems (Git)
 - Web services
- Experience of carrying out iterative user testing processes to identify and implement system developments

Essential skills:

- Ability to plan, organise and prioritise work at an individual and team level
- Ability to work independently and creatively

Desirable experiences:

- XML technologies, e.g. XSLT, XPath
- Linux web server service configuration and provision, e.g. Apache, Tomcat/Jk
- Eclipse (or similar) IDE use
- Design patterns

How to apply

To apply to this position, you should have a Master's degree in Computer Science, Computational Biology, or a related field. Please send your application via email (including curriculum vitae, copies of certificates, a letter of motivation, and a short summary of your proposed PhD research area).

Optionally, you may as well include contact information of two references that may be consulted.

Deadline for applications is **May 18, 2015**. The intended starting date is June 15 2015, but the exact starting date is negotiable. Equal opportunity is an essential element of our personnel policy.

Applications from disabled or minority applicants are welcome. The University of Rostock tries to raise the employment of woman in science and lecturing and asks specifically qualified females scientist to apply. Applications from foreign scientists and scientists of a non-German heritage are welcome.

Please do not hesitate to send any questions to Dagmar Waltemath (dagmar.waltemath@uni-rostock.de).