JOB ADVERTISEMENT

The German Federal Institute for Risk Assessment (BfR) is the national institute which prepares expert reports and opinions on questions concerning the safety of food, feed and chemicals, as well as consumer health protection, on the basis of internationally recognised scientific evaluation criteria. It advises the Federal Government and other institutions and interest groups in these areas. The BfR conducts its own research on topics that are closely linked to its assessment tasks. It is an institution with legal capacity within the portfolio of the Federal Ministry of Food and Agriculture (BMEL).

The following permanent position is to be filled as soon as possible in the **Experimental Toxicology and ZEBET** department at the BfR:

Scientific Officer
- Salary group 14 TVöD -

Reference number: 2066/2018

Part-time work is possible.

Duties:

- Analysis and modelling of complex bio-imaging data and development of computer-based prediction models
- Evaluation and modelling of omics data sets such as *whole genome DNA sequencing*, NGS, microarrays, quantitative proteomic analysis, phenomics data etc.)
- Software-supported molecular phylogenetic examinations
- Conception and implementation/integration of machine-learning applications for the analysis of high throughput data sets
- Experimental research on the development of alternative methods to animal tests
- Acquisition of third party-funding and drafting of scientific publications
- (Co-)supervision of doctoral candidates and students
- Collaboration in national and international panels of experts

Requirements:

- University degree (master's diploma or comparable university degree) with doctorate in Informatics, Bioinformatics, Biology, Biosystem Technology, System Biology or comparable subject
- Experience in the administration, visualisation, annotation, analysis, integration and archiving of high throughput data in the terabyte range
- Profound practical experience of image processing, quantitative image analysis and image processing/pattern recognition using conventional bioimaging software
- Experience in the evaluation and modelling of omics data sets
- Experience in the field of software-supported molecular phylogenetic examinations preferred
- Experience of Machine Learning and/or Deep Learning of advantage

- General programming skills
- Knowledge of script languages such as SQL, Perl, Python, Java and R of advantage
- Strong interest in biological issues and interdisciplinary work
- Proven scientific publication activities
- Very good written and spoken English
- Good computer literacy as well as a conscientious work approach, flexibility, ability to work in a team and the ability to cope with pressure are prerequisites

The place of work is Berlin.

More detailed information is available from Prof. Dr. Schönfelder (Tel.: 030 18412-2286).

The BfR welcomes applications from people of all nationalities. The BfR is an innovative scientific institute offering family-friendly working conditions for which it was awarded the "audit berufundfamilie®" (work and family) certificate. The BfR guarantees equal career opportunities for women and men, and is therefore particularly interested in receiving applications from women. In the case of equal suitability, severely disabled applicants will be given preferential consideration and are only required to have a minimum level of physical suitability.

Application procedure

Does this appeal to you?

Then please submit your application via our online system by **04 Oktober 2018:**

Apply online

If you have any questions regarding the application procedure, please contact: bewerbung@bfr.bund.de. Please do not send any applications to this e-mail address.

If you are unable to submit your application online, you have the option of sending it by standard mail, stating the relevant **reference number** (Bundesinstitut für Risikobewertung, Personalreferat - 11.17 -, Max-Dohrn-Str. 8-10, 10589 Berlin, Germany).

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