

The Jacobs University Bremen, Department of Life Sciences and Chemistry has an opening for

Bioinformatician/Programmer (f/m)

(full-time and limited for 3 years, DFG funded project)

Project description:

SILVA is a comprehensive web resource for up to date, quality-controlled databases of aligned ribosomal RNA (rRNA) gene sequences from the Bacteria, Archaea and Eukaryota domains and supplementary online services founded in 2007. With the discontinuation of the European Ribosomal RNA Database Project the SILVA databases have become the authoritative rDNA database project for Europe. The application spectrum of the SILVA databases range from biodiversity analysis, quality control to medical diagnostics in academia and industry. The SILVA page receives around 80,000 unique visitors (150,000 visits, 730,000 page views) from around 190 countries per year, with the majority coming from Europe (40%), USA (30%) and Asia (25%), www.arb-silva.de.

SILVAngs is a data analysis service for ribosomal RNA gene (rDNA) amplicon reads from high-throughput sequencing (next-generation sequencing (NGS)) approaches based on an automatic software pipeline. It uses the SILVA rRNA gene databases, taxonomies, and alignments as a reference. It facilitates the classification of rDNA reads and provides a wealth of results (tables, graphs and sequence files) for download. SILVAngs serves around 1600 registered users which processed nearly 1000 projects since 2013, www.arb-silva.de/ngs.

Tasks:

Project-related software development with a focus on web applications (frontend).



Qualifications:

- Proficiency in Java
- Extensive experience in web development, specifically with:
 - HTML, CSS, Javascript
 - Knowledge about GWT is desirable
- Experience with relational database systems, specifically MySQL
- Use of version control systems, bug trackers and build tools
- Motivation and team spirit
- Willingness to explore new topics

What we offer:

- An interdisciplinary working environment at an international University
- A young and highly-motivated team
- Up-to-date hardware
- Room for creativity
- More information about the working group: www.microbial-genomics.de

Application:

Interested candidates are encouraged to submit an English-written application letter, a CV, and contact details of one reference electronically (PDF) to jobs@arb-silva.de.

Applications will be reviewed on a rolling basis until a suitable candidate for the position has been found. To be fully considered, applications shall arrive by **March 31, 2016**. Files will be destroyed once the search is completed. Please feel free to contact us for informal inquiries and additional information.

Salary:

Jacobs University offers competitive salaries. The salary will depend on your qualification. Jacobs University Bremen is an equal opportunity employer.

Jacobs University Bremen is a private, state-accredited, English-language research university, offering Bachelor, Master and PhD programs in our focus areas Health, Mobility and Diversity. Our principles are first class research and teaching, international diversity and transdisciplinary cooperation. Jacobs University attracts highly talented and open-minded students from all over the world and is characterized by a truly intercultural community. Currently, more than 1,300 students from over 100 nations live and study on the residential campus.

