Job advertisement

Vacancy ID: Microverse/JSMC Postdoc 01/2024
Closing date: 15.04.2024

FRIEDRICH-SCHILLER-
UNIVERSITÄT
JENA

Friedrich Schiller University is a traditional University with a strong research profile based in the heart of Germany. As a University covering all disciplines, we offer a wide range of subjects. Our research is focused on the areas Light—Life—Liberty. We are closely networked with non-research institutions, research companies and renowned cultural institutions. With around 18,000 students and more than 8,600 employees, our University plays a major role in shaping Jena's character as a cosmopolitan and future-oriented city.

The core mission of the **Cluster of Excellence *"Balance of the Microverse"*** of the Friedrich Schiller University Jena is to elucidate fundamental principles of the interactions and functions in microbial communities in diverse habitats, ranging from oceans and groundwater to plant and human hosts. We aim to identify the shared characteristics of disturbed or polluted ecosystems as well as infectious diseases on the microbiome level, and develop strategies for their remediation by targeted interventions. The affiliated early career program of the *Jena School for Microbial Communication* (JSMC) offers an ambitious, structured and interdisciplinary post-graduate training based on top-level fundamental research.

The Cluster of Excellence *Balance of the Microverse* invites applications for a

Postdoctoral Researcher Position in Mining of the Metabolome of the Oceans (m/f/d)

commencing as soon as possible

We offer a full-time position (40 hours per week) that is initially limited until 31.12.2025.

The group of Bioorganic Analytics uses modern techniques in mass spectrometry and metabolomics to unravel chemical signals that mediate interactions between living beings. One focus of the group is on the role and nature of chemical mediators in the marine plankton. As our new 'metabolome of the oceans' team member, you will play a central part in the analysis and data evaluation of samples gathered during a global sailboat cruise of Tara Oceans (https://fondationtaraocean.org/en/)that aims to uncover the secrets of the marine microbiome.

Your responsibilities:

- Pursue top-quality research in exceptionally well-equipped laboratories.
- Work in an interdisciplinary team of chemical ecologists, analytical chemists and microbiologists and integrate into the Cluster of Excellence consortium.
- Contribute to the development of the project, as it evolves by developing analytical protocols and metabolomics concepts.
- Integrate your data into results from an international research consortium.
- Produce high-quality written reports and draft papers. Present your results at international and national conferences and at local meetings and outreach events.
- Assist with training of other researchers, including PhD candidates, Masters' and undergraduate project students.
- Contribute to maintaining the friendly, welcoming and collaborative environment within the group.

Your profile

- A PhD (or equivalent) in the life or natural sciences, preferably in analytical chemistry, -omics data evaluation or microbiology. Candidates in the final stages of obtaining their doctorate are also eligible to apply.
- Desired skills: experience in mass spectrometry and/or data evaluation of large -omics data sets
- The ability to work creatively and independently towards developing your own research project
- An integrative and cooperative personality with enthusiasm for actively participating in the dynamic Microverse community
- English communication skills, both written and spoken

Are you hesitating because you don't meet one or some of our requirements? Please do apply and give us a chance to get to know you.

We offer:

- A highly communicative atmosphere within an energetic scientific network
- A comprehensive mentoring program and soft skill courses for early career researchers
- Jena – City of Science: a young and lively town with a vibrant local cultural agenda
- A family-friendly working environment with a variety of offers for families: University Family Office 'JUniFamilie' and flexible childcare ('JUniKinder')
- University health promotion and a wide range of university sports activities
- Attractive fringe benefits, e.g. capital formation benefits (VL), Job Ticket (benefits for public transport), and an occupational pension (VBL)
- Remuneration based on the provisions of the Collective Agreement for the Public Sector of the Federal States (TV-L) up to salary scale E 13 (depending on the candidate's personal qualifications) including a special annual payment in accordance with the collective agreement
- 30 days of vacation per calendar year plus two days off on December 24 and 31

The advertised full-time position is (initially) limited until 31.12.2025. The position will be funded through the Excellence Strategy of the German federal and state governments or the Carl Zeiss Foundation. A part-time contract can be discussed. To promote gender equality in science, applications by women are especially welcome. Candidates with severe disabilities will be given preference in the case of equal qualifications and suitability.

Are you eager to work for us? Then apply by 15.04.2024 using our online form.

Online application

For further information on your application and the collection of personal data, please refer to our Privacy Statement for Applicants