

Job advertisement

Vacancy ID: Microverse/JSMC Postdoc 03/2024

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 Biochemistry/Cell Biology/molecular Medicine/Immunology (m/f/d) "Gut microbiome, encephalopathy and outcome of sepsis"

commencing on (01.05.2024)

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

The position is hosted and based at the Department of Anaesthesiology and Intensive Care Medicine of the Medical Faculty of the University of Jena (UKJ), a member of the Cluster of Excellence consortium. Our department has a strong track record and ongoing interest in researching the molecular mechanisms of sepsis-associated organ failure and the underlying (dysfunctional) host response.

As a postdoctoral researcher in our unit, you will support our efforts to unravel the crosstalk and wiring between the gut microbiome and neuroendocrine processes, the humoral immune response and organ failure in the septic patient.

Your responsibilities:

- Pursue and coordinate research in the laboratories of our Dept. at the UKJ focused on the analysis of sepsis patient biosamples
- Work in an interdisciplinary team of intensivists, neurologists, microbiologists, biochemists and epidemiologists and integrate into the Cluster of Excellence consortium.
- Contribute to the development of the project, as it evolves.
- 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 other researchers, including PhD candidates, Masters' and undergraduate project students.
- Contribute to maintaining the friendly, collegial, welcoming and collaborative environment within the group and the consortium.

Your profile

- A PhD (or equivalent) in the life or natural sciences, preferably Biochemistry, Molecular Medicine, Immunology or similar. Candidates in the final stages of obtaining their doctorate are also eligible to apply.
- Excellent background in cell biology and immunology; neurobiological background advantageous



- Desired skills: Expertise in multi-dimensional cytometry/FACS. Experience in handling and analysing human samples is an advantage.
- Strong scientific motivation, with an interest in joining one of the interdisciplinary research areas of the Microverse Cluster
- 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 not hesitate to 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 with 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](#)