

# Stellenausschreibung

Reg.-Nr. 358/2020

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FRIEDRICH-SCHILLER-  
**UNIVERSITÄT**  
**JENA**

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

The Department of Bioinformatics at the Faculty of Biological Sciences seeks to fill the position of a

## **Doctoral or Postdoctoral Researcher Position (m/f/d)**

to conduct research in the group of Prof. Stefan Schuster on the project  
**“Modelling and computer simulation of multipartite lung microbiome systems”**.

Background: The **Cluster of Excellence “Balance of the Microverse”** ([microverse-cluster.de/en/](http://microverse-cluster.de/en/)) of the Friedrich Schiller University Jena, Germany, combines expertise in life, material, optical and computational sciences to elevate microbiome studies from descriptive to hypothesis-driven and functional analyses. Our core mission 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. Our full spectrum of expertise in the physical and life sciences will be leveraged to address these important issues in natural habitats as well as synthetic arenas in a collaborative manner. 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.

### **Your profile:**

- A MSc or Ph.D. (or equivalent) in Bioinformatics, Systems Biology, Computer Science, Microbiology, Theoretical Ecology or related disciplines. Candidates in the final stages of obtaining their doctorate are also eligible to apply
- Desirable methodological skills: Mathematical modelling of biological systems, basics in computer programming, cooperation with experimentalists
- Highly motivated individuals 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

### **We offer:**

- A highly communicative atmosphere within an energetic scientific network providing top-level research facilities
- A comprehensive mentoring program and soft skill courses for early career researchers
- A Graduate Academy for doctoral candidates and postdocs
- 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’)
- attractive fringe benefits, e.g. Job Ticket (benefits for public transport) and occupational pensions (VBL)
- remuneration based on the provisions of the Collective Agreement for the Public Sector of the Federal States (TV-L) at salary scale 13 - depending on the candidate's personal qualifications -including a special annual payment in accordance with the collective agreement

The full-time two year postdoctoral researcher position (40 hours per week) or three and a half year doctoral researcher part-time position with 65% of the working hours of a full-time employee (26 hours per week) will be funded through the Excellence Strategy of the German federal and state governments.

Candidates with severe disabilities will be given preference in the case of equal qualifications and suitability.

**Are you eager to work for us?** Then submit your applications via the JSMC Online Application Portal to

<https://apply.jsmc.uni-jena.de/>

by **3<sup>rd</sup> of December 2020**.

Please familiarize yourself with the currently available postdoctoral projects ([www.microverse-cluster.de](http://www.microverse-cluster.de)) and the application process as described in the Online Application Portal. Selected applicants will be invited to a recruitment meeting taking place in December. Awarding decisions will be announced shortly thereafter, and candidates are expected to be available to start their projects in early 2021.

For further information for applicants, please also refer to [www.uni-jena.de/Job portal \(in German\)](http://www.uni-jena.de/Job_portal_(in_German)).

Please also note the information on the collection of personal data at

[https://www4.uni-jena.de/en/jobs\\_information\\_collecting\\_personal\\_data-path-18,27.html](https://www4.uni-jena.de/en/jobs_information_collecting_personal_data-path-18,27.html).