

Job advertisement

Vacancy ID: 294/2022

Closing date: 28.08.2022



**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 Junior Group of the Profile Line LIFE seeks to fill the position of a

Doctoral Researcher Chemical Biology/Organic Chemistry

commencing on October 15, 2022 or at the earliest opportunity. The position (50%, E13, 20 hours per week) is initially limited for three years.

The Junior Group of the Profile Line LIFE (supervised by Dr. Markus Lakemeyer) works towards elucidating the molecular mechanisms that drive inter-species interactions of the human gut microbiota. We develop and apply chemical biology methods, including chemical probe synthesis, protein biochemistry and mass spectrometry, to understand the impact of individual gut bacterial enzymes on human health and disease.

This PhD Student will work on the synthesis of innovative chemical probes which will then be applied to covalently target individual enzymes in complex bacterial samples. The knowledge gained in this project will reveal important bacterial mediators that affect inflammatory bowel diseases.

Your responsibilities:

- Planning and conducting experimental research in the field of chemical biology, with a focus on organic chemistry and protein biochemistry
- Share your work with the research community through a variety of outlets

Your profile

- A M.Sc. degree in chemistry, chemical biology, biochemistry, pharmacy or a related field
- Profound experience in synthetic organic chemistry, ideally including solid phase peptide synthesis (SPPS)
- Initial experience in performing enzyme assays or other protein biochemistry methods
- Knowledge in the development or application of (covalent) chemical probes would be desirable
- Highly self-motivated, creative, and proactive approach to experimental work
- Enthusiasm to expand your expertise to new and project-relevant areas
- Strong verbal and written communication skills in English and preferably in German

We offer:

- Participation in highly interdisciplinary research at the interface of microbiology, organic chemistry and chemical biology
- 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. 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) at salary scale E13 — depending on the candidate's personal qualifications—, including a special annual payment in accordance with the collective agreement.

The advertised position is (initially) limited to a maximum of three years. This is a 50% position (20 hours per week).

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 detailed written application, preferably by email (one PDF file), stating the vacancy ID 294/2022 by 28.08.2022 to:

Friedrich-Schiller University Jena
Institute for Organic and Macromolecular Chemistry
Dr. Markus Lakemeyer
Humboldtstraße 10
07743 Jena, Germany

markus.lakemeyer@uni-jena.de

Since all application documents will be duly destroyed after the recruitment process, we ask you to submit only copies of your documents.

For further information for applicants, please also refer to www.uni-jena.de/stellenmarkt_hinweis.html (in German)

Please also note the information on the collection of personal data at www.uni-jena.de/en/jobs_information_collecting_personal_data.html