

Job advertisement

Vacancy ID: 235/2021

Closing date: 11st August 2021



**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 integrated Research Training Group of PolyTarget seeks to fill at the earliest possible date the position of a

Doctoral Researcher (m/f/d)

The Collaborative Research Center 1278 "PolyTarget - Polymer-based nanoparticle libraries for targeted anti-inflammatory strategies" is funded by the Deutsche Forschungsgemeinschaft (DFG). The goal of PolyTarget is to develop polymer-based, nanoparticulate carrier materials for pharmaceutically active ingredients for targeted therapy of diseases and syndromes, whose morbidity is characterized by an inflammatory reaction. The integrated Research Training Group of PolyTarget is educating doctoral researchers in a structured, interdisciplinary training program. Close cooperation within the multi- and interdisciplinary consortium with researchers from Chemistry, Materials Science, Biology, Pharmacy and Medicine offers unique prerequisites for transferring the findings from basic research into applications (www.polytarget.uni-jena.de). The aim of the project is to investigate the formulation of nanoparticles loaded with mRNA/plasmid DNA/proteins and their characterization in terms of physical-chemical and biological aspects.

Your responsibilities:

- You work on interdisciplinary research projects within the field of PolyTarget
- Formulation of nanoparticles loaded with biopolymers (nucleic acids or proteins)
- Detailed characterization of particles in terms of size, shape and distribution as well as their composition and stability in various buffers and media
- Investigate compatibility of nanomaterials in cells
- Work on an own scientific qualification project, i.e. doctorate degree
- PhD project planning, project coordination, experimental work, reporting, and communication
- Generate scientific output in terms of publications, posters, presentations, and PhD thesis, including participation at international conferences
- Guidance of Bachelor/Master students and/or interns

Your profile

- You have a Master's degree (or equivalent) in e.g., pharmacy, biochemistry, biophysics, biotechnology, pharmaceutical sciences or a related discipline; candidates expected to earn their degree before September 2021 are welcome to apply
- Willingness to work and engage in scientific exchange in an interdisciplinary team, from the production of materials to the study / analysis in vivo
- Analytical and pharmaceutical background, with experience in method development and statistical data analysis is of advantage
- Enthusiasm to play an active role in the interdisciplinary research team of PolyTarget
- Highly motivated and creative personality, with an interest to shape their own thesis project
- Excellent written and oral communication skills in English

We offer:

- A doctoral researcher position (TV-L E13 - salary agreement for public service employees, 65%) with funding for 3 years, as well as generous research funding



- Opportunity for research in an innovative and worldwide unique research platform
- A comprehensive mentoring program with supervision by a team of advisors
- A communicative atmosphere within a scientific network providing top-level research facilities and training program, including participation in international and national conferences, summer schools and workshops

The advertised position is (initially) limited to a maximum of 3 years.

This is a part-time position with 65% of the working hours of a full-time employee.

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 **235/2021** by **August 11st** to:

**Jena Center for Soft Matter
Laboratory of Organic and Macromolecular Chemistry
(in cooperation with the Institute of Pharmaceutical Technology and Biopharmacy)
Friedrich Schiller Universität Jena
Philosophenweg 7
07743 Jena, Germany**

or by email to:

jcsm@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 www4.uni-jena.de/stellenmarkt_hinweis.html (in German)

Please also note the information on the collection of personal data at www4.uni-jena.de/en/jobs_information_collecting_personal_data.html