Job advertisement

Vacancy ID: 307/2022
Closing date: 2022-09-30

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 Research Group Comparative Developmental Biology let by Prof. Dr. Andreas Hejnol at the Institute for Zoology and Evolutionary Research seeks to fill the position of a

Doctoral Researcher in Bioinformatics

commencing on 01 November, 2022
We offer a part-time position (65%) for three years.

The Hejnol Lab conducts several projects that range from genomic analysis, morphology, to advanced comparative developmental biological approaches of non-model organisms. We combine advanced methods in molecular biology, genomics, electron- and light microscopy, and single cell-omics to study a range of marine and limnic animals. The projects connect the genotype-level of organisation with the phenotype and compare the results using the comparative evolutionary approach. The mission of our group is to understand how nature's fascinating phenotypic diversity has evolved and how genomic, cellular, and developmental changes led to this diversity.

The work in the Hejnol lab includes bioinformatic and embryological work. Since the Principal Investigator Andreas Hejnol is also director of the Phyletic Museum the lab actively contributes to its outreach activities. English is the working language in our lab.

The PhD student is expected to analyse generated sequencing data within the DFG grant "Establishment of nematomorphs as research organisms for comparative genomics and developmental biology" (https://gepris.dfg.de/gepris/projekt/497790570?language=en) in an evolutionary context. It is expected to solve current questions in animal evolutionary biology that relate to the evolution of cell types, organ systems, developmental pathways, physiological processes, and the interaction of nematomorphs with the environment. A contribution in teaching and outreach, e.g., through the Phyletic Museum is encouraged.

Your responsibilities:

- Work on interdisciplinary research projects within the field of comparative genomics, single-cell sequencing and developmental biology
- Genome and transcriptome analysis of nematomorphs and related taxa
- Intense collaboration with project partners in zoology and genomics
- 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:

- A Master's degree (or equivalent) in Biology or Bioinformatics; candidates expected to earn their degree before October 2022 are welcome to apply
- A solid background in comparative or functional genome analysis and comparative transcriptomics
- Experience in zoology and evolutionary biology is of advantage
- Enthusiasm to play an active role in the interdisciplinary research team
- Highly motivated and creative personality, with an interest to shape their own thesis project
- Very good 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 from November 1, 2022, for 3 years, as well as research funding
- Opportunity for research in an innovative and international research team that works with a diverse range of invertebrates.
- A communicative atmosphere within a scientific institute providing top-level research facilities and participation in international and national conferences, summer schools and workshops.
- Outstanding options for outreach activities, teaching and student supervision.

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 containing CV, a motivation letter and the contact of two references, preferably by email (one PDF file), stating the vacancy ID **307/2022** by **30/09/2022** to:

Friedrich-Schiller-Universität Jena
Fakultät für Biowissenschaften
Institut für Zoologie und Evolutionsforschung
Herr Prof. Andreas Hejnol
Erbertstraße 1
07743 Jena, Germany
or by email to:
andreas.hejnol@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 https://www.uni-jena.de/stellenmarkt (in German)
Please also note the information on the collection of personal data at https://www.uni-jena.de/en/job-market#dataprotection