

The Institute of Organismic and Molecular Evolution at the University of Mainz, Germany, invites applications for a

**Postdoc position (m/f/d) in
evolutionary single-cell
genomics
(Salary level TV-L E13, 100%)**

in the group of *Evolutionary Plant Science and Biotic Interactions*, headed by Prof Shuqing Xu.

The successful candidate may start on the 1st of April 2022. The salary will initially be provided for three years, with the possibility of extension for another three years.

Supported by other group members, the candidate will work on the evolution of gene functions and regulations at cellular level using the state-of-the-art single-cell genomic tools. During the project, the candidate will mature his/her scientific skills and develop independence in project planning and management skills. The candidate is encouraged to apply for additional third-party funding to establish his/her own subgroup.

Requirements: We are looking for a highly motivated researcher with a doctoral degree, or an equivalent thereof, in biology, evolutionary genetics, bioinformatics or computer science. The candidate is expected to design, conduct and organize the projects independently. Experience in analysing a large amount of next-generation sequencing data, in particular, single-cell sequencing and/or comparative genomics data, with a high degree of independence. A training background in bioinformatics, evolutionary genetics and single-cell sequencing is preferred. Applicants must demonstrate experience in statistics and genomics. Experience with molecular biology, epigenetics and computational modelling are a plus. Our group consists of people of various nationalities and teamwork is essential for all projects in the group. Therefore, excellent communication skills, as well as proficiency in spoken and written English, are expected. Good knowledge of German is a plus.

Excellent infrastructure and work conditions are available at the University of Mainz. The working language of the lab is English. For further information, please contact shuqing.xu@uni-mainz.de.

The University of Mainz hosts many excellent scientific institutions (<http://www.uni-mainz.de/eng/>), and Mainz is a historic city located on the Rhine River with many students and a rich social and cultural life.

Applications must be in English and include:

- (1) a motivation letter stating the research interests with reference to the stated requirements in *no more* than two pages,
- (2) a detailed CV including academic and extracurricular achievements, as well as details of all research experience,
- (3) an abstract of the PhD thesis, and
- (4) contact details of at least two referees.

Applicants should send their documents in **one single PDF file** to Prof Shuqing Xu (shuqing.xu@uni-mainz.de) with the subject line "Evolutionary Single-cell Genomics Postdoc Position – Your Name". The application review will commence on **31st December 2021**. The position will remain open until filled.