

Postdoc, University of Lausanne, Switzerland: Evolution of plant sexual systems

A postdoc position is open in John Pannell's lab in the Department of Ecology and Evolution, University of Lausanne, to study the evolution of plant sexual systems, with a focus on evolutionary transitions between hermaphroditism and dioecy. The scope of the project can be partly tailored to the particular interests of the successful applicant. We are currently using experimental evolution to address questions concerning the quantitative genetics and genomic architecture of sexual-system transitions, including but not only sex chromosomes. The postdoc could potentially play a leading role in taking this study forward (it is now in its 11th year), with substantial latitude to use the genetic material generated so far to conduct further experiments and/or investigate the genomic architecture of responses to selection. The postdoc could also study aspects of sex-chromosome evolution in plants, working on one of three different study systems we have developed in the lab to understand links between sex chromosomes, sex allocation and sexual dimorphism.

The project could start from September 2022, but the starting date is flexible.

Further details about the lab, including recent papers on which this project will build, can be found at: <https://www.unil.ch/dee/pannell-group>, or on writing to john.pannell@unil.ch.

Research scope and skills sought

The successful candidate for this position should have a strong interest and background in evolutionary biology and evolutionary genomics, including wet-lab skills and experience in the analysis of genomic data. He/she should also have proven ability to write up research results, as demonstrated in published or accepted papers, or in high-quality preprints, good communication and interpersonal skills, and an ability to work in a team. Although not a requirement (the language of the lab and the research environment of the department is English), some knowledge of French would be an asset. Ideally, the candidate will have received his/her PhD in the last couple of years.

Host Department and University

The Department of Ecology and Evolution hosts a broad range of research groups, and its members enjoy a lively intellectual and social life. Although the University of Lausanne is francophone, the department is highly international, and all its research activity and seminars are conducted in English. The University has seven faculties and approximately 14,300 students and 3,900 researchers from over 120 countries. It is situated on a beautiful campus on the shore of Lake Geneva, and is close to the Swiss and French Alps.

Applications

Informal enquiries should be sent to John Pannell (john.pannell@unil.ch). Formal applications should be uploaded to the link below and should include (1) a cover letter detailing your research interests, experience and motivation for applying, (2) a CV, (3) an example of previous research work (one or more published articles or preprints, or thesis chapters, and (4) the names of two referees. All applications received by 15 May 2022 will receive full consideration.

Application link: <https://bit.ly/3xMZAog>

University equality policy

The University of Lausanne promotes an equitable representation of men and women among its staff and encourages applications from women and minority groups.