

10 June, 2022

PhD in Evolutionary Genomics of Cichlid Fishes (100%)

Supervisors: Dr. Pooja Singh and Prof. Ole Seehausen

Starting date: 01-09-2022

We are seeking to fill a PhD position funded for 4 years in the group led by Prof. Ole Seehausen based at the University of Bern (Bern) and the Swiss Federal Institute of Aquatic Sciences (EAWAG) on the shores of Lake Lucerne. We are looking for an enthusiastic young researcher to work towards understanding the evolutionary dynamics of speciation and adaptive radiation in cichlid fishes of Lake Victoria in East Africa by integrating genomics, transcriptomics, morphology and ecology. It is important that the applicant has an inquisitive mind and can shape the research questions based on their interests.

Lake Victoria, the largest tropical lake in the world, hosts a radiation of ~500 endemic species of cichlid fishes that arose in the last ~15,000 years. This radiation represents the fastest known sustained rates of speciation in vertebrates. The cichlid species-flock of Lake Victoria is incredibly diverse phenotypically and ecologically, and thus is an exciting and dynamic system to study the processes underlying speciation, ecological diversification, coexistence and extinction. You will be working alongside group members who are focused on various aspects of the evolution of this radiation such as: ecology, morphology, taxonomy, paleolimnology, and genomics.

Requirements: A background in molecular genetics. Experience with linux and coding in R and/or Python. Experience handling NGS data and bioinformatics. Prior

experience in morphometrics is desirable but not required. Ability to work independently but also synergistically with other group members is important. The working language of the group is English, and knowledge of French/German is not required.

Salary: Determined according to University of Bern salary scheme for PhD students.

Diversity and equity are key values of our group, and we especially encourage people of colour, individuals from the Global South and other underrepresented groups in Ecology and Evolution to apply for this position.

Review of applications starts on 31st of July 2022 and continues until the position is filled. Please direct inquiries to Prof. Ole Seehausen (ole.seehausen@unibe.ch) or Dr. Pooja Singh (pooja.singh@unibe.ch)

Applications: One pdf file only, with CV, letter of motivation, transcript of MSc with grades, publication list, and contact details of three referees should be send by email to pooja.singh@iee.unibe.ch . The email subject should be: 'phd cichlid application'.

Switzerland offers an excellent quality of life and is a great springboard for a successful career globally.



Bern



EAWAG, Kastanienbaum