



Zürich, 5 April 2022

PhD position in genomics of plant-insect coadaptation

A PhD position funded by the Swiss National Science Funds is available by 1st of July in my group at the Department of Systematic and Evolutionary Botany, University of Zürich, for a period of four years. The position is to study the genomic bases of real-time plant-insect coevolution. In the project, experimental coevolution will be performed to test predictions derived from the geographic mosaic of coevolution theory, using *Brassica rapa* and *Pieris rapae* as plant-pollinator-herbivore model system. The successful applicant will be studying the genomic bases of coadaptation in *Brassica* and *Pieris*, using genomic and phenotypic data. Analyses of selection, GWAS, and co-GWAS will be performed to identify loci that (co)evolve in the interacting organisms.

I am looking for a highly motivated PhD candidate to join my team working on evolutionary question in the context of plant-insect interactions. I offer a vibrant, collaborative work environment and high-quality supervision. Several of my past PhD students have published as first authors in the highest-ranking journals such as Science, Nature Communications, New Phytologist, Functional Ecology, etc.; many have consecutively attained PostDoc positions at renowned academic institutions. You should have a Master (or comparable) degree in any field of biology and a thorough interest in evolutionary biology; proficiency in English, both orally and written, is also required. Prior experience in bioinformatics, genomics analyses, GWAS, and scientific publishing is an advantage.

Our department is located in the university botanical gardens and houses modern molecular and ecological labs, including greenhouses and climate chambers for plant cultivation. The University of Zürich has a broad research coverage of organismal and molecular biology, and several research groups work on evolutionary topics (www.lifescience-zurich.ch). The city of Zürich also offers excellent quality of life as well as an attractive surrounding for outdoor sports.

If you are interested in the job, please send me by e-mail (florian.schiestl@systbot.uzh.ch) a letter describing your motivation, CV, copy of degrees, publications (manuscripts), and e-mail addresses of two academic referees, by 1st of May 2022 (the job will remain open until filled). Please send all documents in a single file. If you have any further questions, don't hesitate to contact me.