

Two Post-Doctoral positions at the University of Zurich

POSITIONS DESCRIPTION. Two post-doctoral positions in 1) evolutionary biology/genomics and 2) bioinformatics are available in Elena Conti's lab at the University of Zurich. The main research focus is on evolutionary pathways in heterostyly and the evolution of supergenes. Current projects include: phylogenomics and evolution of breeding systems in Primulaceae; morphological, ecological and biogeographic evolution in Primulaceae; comparative genomics of selected taxa in Primulaceae aimed at clarifying the evolution of floral morphology and the heterostyly supergene; evolution of heterostyly in flowering plants; reproductive barriers in *Primula*. The successful applicants will benefit from resources and collaborations on the above-mentioned topics developed by Elena Conti's lab over several years and from concurrent projects on the genomics of heterostyly and introgression in Primulaceae funded by the European Union and the Swiss National Science Foundation. Opportunities to gain experience in teaching and grant writing are available and encouraged. The Department of Systematic and Evolutionary Botany and the University of Zurich provide state-of-the art infrastructure, excellent scientific milieu, and an international, English-speaking working environment. With a world-class airport located in the center of Europe, Zurich offers unmatched opportunities for easy travel to conferences and workshops anywhere in the world. Proximity to the Alps offers easy access to multiple outdoor activities and the species-rich Alpine flora.

REQUIREMENTS: The successful applicants will have a Ph.D. degree with evidence of publication in peer-reviewed scientific journals. **Required skills - Demonstrated ability to:** frame questions, hypotheses, and goals towards publication in peer-reviewed journals; utilize and analyze data from multiple Next Generation Sequencing platforms; develop novel pipelines and perform cutting-edge population genomic and phylogenomic analyses; write scientific manuscripts. Expertise in comparative genomics, bioinformatics, experimental design, and statistical analyses is necessary. Ability to collaborate, independence, and excellent writing skills are required. One of the two positions will be focused especially on bioinformatics and the development of new analytical methods, in collaboration also with Dr. Peter Szövényi's lab at the University of Zurich.

APPLICATION PROCEDURE. Applications will be reviewed starting on **February 20, 2018 and will continue to be evaluated until suitable candidates are identified.** Please, **clearly indicate which position you are applying for in your application.** Send your application as a SINGLE PDF FILE titled **Primulapostdoc_yourfamilyname** to ContiElena@access.uzh.ch. Your application will contain the following documents: **1)** cv; **2)** publication record; **3)** Copy of obtained Ph.D. diploma and courses taken, with grades; **4)** letter of motivation explaining your interest in and suitability for the position (2 pages max.); **5)** names, institutional affiliations, email addresses and phone numbers of 3 referees. Applications that fail to meet the guidelines specified above will not be further considered.

STARTING DATE: May 1, 2018 (with possibility of negotiation). The positions are available for 2 to 3 years, contingent upon successful performance review after the first year. Opportunities for prolongation are available upon successful grant writing and application.

For further information, see:

<http://www.systbot.uzh.ch/de/Personen/ProfessorenundDozenten/ElenaConti.html>

<https://scholar.google.ch/citations?user=PF0sKdIAAAAJ&hl=en>