



CHARLES UNIVERSITY

INSTITUTE OF BOTANY
THE CZECH ACADEMY OF SCIENCES

DEPARTMENT OF BOTANY
FACULTY OF SCIENCE

A Ph.D. position is available in the research group of Dr. Roswitha Schmickl (<https://lab-allience.natur.cuni.cz/plantevocytogen/people-research>) at the Institute of Botany of the Czech Academy of Sciences and Department of Botany, Charles University.

Title of the Ph.D. project: Tropical-alpine plant radiations: the role of allopatry, hybridization and niche differentiation

Starting date (negotiable): March 2020

Project summary: Biodiversity of the tropical-alpine floras of South America and Africa have attracted botanists since the early 19th century. Evolutionary mechanisms that generated such extraordinary species richness, however, remain still largely unknown. The main goal of this research is to compare the timing of plant radiations in tropical-alpine habitats, detect key evolutionary processes involved in these radiations, particularly those related to Pleistocene climate oscillations, and assess their relative contribution to the origin of plant diversity in these biodiversity hotspots. For more info see <https://botany.natur.cuni.cz/ecolgen/node/59>.

Requirements: The successful candidate should bring a broad and strong interest in evolution and/or historical biogeography. Methods within the project will focus on analyses of comparative phylogeography and phylogenomics. Previous experience in these fields is beneficial but not required. Excellent communication skills are needed for this position, as the candidate will become part of an international team comprising also members of the group of the Co-PI Filip Kolář (<https://botany.natur.cuni.cz/ecolgen/>) and international collaborators. The working language is English, and candidates should have strong written and spoken English skills.

Why you should join us: We offer a creative and supportive scientific atmosphere, which will give you the opportunity to develop your scientific career. You will experience a fun mix of the Czech and international scientific environment, which, together with the vibrant cultural life of Prague, will provide you a unique research and life experience.

Questions and applications (CV + half-page motivation letter + contact information for two reference persons) should be sent to Roswitha Schmickl (roswitha.schmickl@natur.cuni.cz). Review of applications will begin on **10.2.2020** and will continue until the position has been filled. The position is available from **March 2020**.