



You would like to contribute to biodiversity conservation and are looking for a Master's thesis?

The Botanic Garden München-Nymphenburg, the Bavarian State Collection and the Genomics Core Facility of the Bavarian Natural History Collections offer a Master's thesis in a joint research project entitled

Towards a Population Genomic Atlas of Threatened Bavarian Alpine Flora

Biodiversity is under threat, mainly because of habitat loss and climate change. Effective protection of endangered plant species requires a sound knowledge of their genetic structuring, for example, for planning restoration measures. However, these important data are often lacking. This project aims at establishing easy-to-use molecular tools on the way towards a population genomic atlas of threatened Bavarian Alpine flora. Therefore, we develop standardized protocols for the NGS-based generation of genomic data (RADseq) and analyze these data with modern bioinformatic tools.

Your tasks:

- fieldwork (material sampling)
- DNA extraction
- preparation of Next Generation Sequencing libraries
- analysis of genomic data (assembly, PCA, genetic structuring, demographic analyses).

Starting date: as soon as possible

Please contact Simon Pfanzelt (pfanzelt@snsb.de, Botanic Garden München-Nymphenburg) or Agnes Scheunert (scheunert@snsb.de, Genomics Core Facility) for further questions.