Job Summary

The **Plant Genetics, Genomics and Biotechnology Lab** at the University of Udine (UNIUD) is seeking a bioinformatics data analyst or a population geneticist with computational skills for a 2-years postdoc position. The incumbent will assist in analyzing high-throughput genetic data as part of the EU-funded SEEDFORCE project ("Using SEED banks to restore and reinFORCE the endangered native plants of Italy", https://webgate.ec.europa.eu/life/publicWebsite/project/details/5736) that aims to investigate the genetic structure of endangered Italian plant species of ecological significance and allow for the development of educated conservation plans. The selected candidate will carry out these activities at UNIUD in a consolidated research group with major expertise in genomics and bioinformatics; she/he will also benefit from interactions with a broad consortium of partner labs from Italy, Malta and Slovenia operating in the botanical and ecological field under the overall project leadership of MUSE (Science Museum in Trento, Italy).

Duration and compensation

24 months

Starting date: preferably at the beginning of 2023

The minimum gross annual salary is fixed by the Italian law to 19,367 €

Responsibilities

1. Performs analysis of high throughput genetic data based on Next Generation Sequencing technologies with workflows available in the lab.

2. Contributes to the development of protocols and bioinformatic and statistical analysis plans.

3. Contributes to the critical interpretation of data of genetics/population genetics relevance.

4. Conducts literature reviews to obtain abstracts and information to be utilized in research and workflow development.

5. May oversee the operations of bioinformatics analyses of other lab members.

Qualifications

Master of Science degree or PhD related to Genetics or Genomics or Bioinformatics.

Familiarity with molecular biology, genomics and some biostatistics.

Programming experience with R or other science-oriented programming language (e.g. Python) in a Linux environment is a plus.

Interested candidates should contact Fabio Marroni (fabio.marroni@uniud.it) and/or Emanuele De Paoli (emanuele.depaoli@uniud.it).