



Postdoctoral Researcher Position (Duration: 2 years)

Who we are: [Giovannetti](#) Group, at the Department of Biology of the University of Padova

We are a recently established group (without a website and without a logo yet) working on root developmental and physiological plasticity, primarily using *Lotus japonicus* as an organism of study and mainly focusing on root responses to phosphate and arbuscular mycorrhizal symbiosis keeping in mind the pivotal role of natural variation.

Within a project funded by the University of Padova (STARS, <https://www.unipd.it/en/stars2021>) we aim to investigate *Lotus* root responses to phosphate at the single-cell level by combining high-throughput confocal microscopy approaches with Chromium 10x Genomics. A special focus of the project will be on inositol phosphate metabolism and cellular calcium regulation.

Your profile:

- You have a solid background in bioinformatics, NGS, and data analysis (preferentially with single-cell data) and experience with confocal microscopy
- You enjoy working in a team (i.e., you are willing to help and get help from your colleagues)
- You already published or preprinted one or more solid stories on any aspect of cell biology, genomics or evolutionary biology
- You are an independent and critical thinker. You care about open science practices, reproducibility, and justice.
- You are willing to apply to available fellowships (i.e. MSCA)
- You are ready to face the Italian bureaucracy
- Previous experience with *Lotus japonicus* and/or arbuscular mycorrhizal symbiosis is a plus.

What we offer:

- A friendly and supportive environment with special care for younger researchers
- Access to cutting-edge infrastructure and resources in one of the oldest Italian Universities in a beautiful city with a high life quality
- A vibrant Department that will expose you to a broad range of expertise in molecular/evolutionary biology

How to apply: Send an email to marco.giovannetti@unipd.it with

- A letter of intent describing your research background and how you could fit into the project (max 1 page)
- Your CV and contact details of 2-3 references.

Application deadline: February 20th, 2022

Starting date: sometime between April and July 2022

For informal inquiries please contact Marco Giovannetti: marco.giovannetti@unipd.it or @magiovan

