



H2020 CAPITALISE - Postdoc position, Genetics, Scuola Superiore Sant'Anna, Italy

The Laboratory of Genetics at the Scuola Superiore Sant'Anna (SSSA) invites applications for a **Postdoc position in quantitative genetics** to work on the EU H2020 project CAPITALISE. We are looking for recent Ph.D. graduates or people about to graduate with interest and experience in genomics and QTL mapping. It's OK if you are not an expert in that – we are a learning environment and we value curiosity and passion for research above everything else.

The main task in this position is the conduction of **QTL mapping** in the framework of the CAPITALISE project, a scientific endeavor contributed by 17 research partners aiming at improving photosynthetic efficiency in maize, tomato, and barley. The Laboratory of Genetics at SSSA will focus on the analysis of multiparent populations in maize (MAGIC maize) and barley (iMAGIC barely), making use of DNA sequencing and RNA sequencing to unravel the genetic basis of photosynthetic traits. Skills in bioinformatics, data management, R programming, QTL mapping will be needed.

The CAPITALISE consortium is an exciting environment to integrate quantitative genetics methods with advanced molecular physiology, high-throughput phenotyping, and genome editing to produce a step-change in EU crops productivity. The research will be conducted in tight collaboration with Ethiopian research institutes. The position entails traveling for meetings, conferences, field visits in Ethiopia, and interaction with top scientists in the field of plant photosynthesis.

Context

The SSSA is located in Pisa, Italy (<https://www.santannapisa.it/en>). It is a top-tier research university, ranking first in Italy, 7th among world young universities and 149th globally (<https://www.timeshighereducation.com>). The position opening is under the supervision of Dr. Matteo Dell'Acqua, a young Associate Professor focusing on agricultural genetics. The lab boasts an international profile with PhD students coming from several countries in the world. You may find some of the recent research coming from the lab at:

https://www.researchgate.net/profile/Matteo_DellAcqua

Pisa is a small university town hosting several thousand students, three universities, and several national research institutes. Laying between mountains and the sea, Pisa is a unique place to conduct research while enjoying Tuscany and Italian lifestyle, with a low cost of life and plenty leisure opportunities. The Pisa airport is at a walking distance from the city center and a gateway to all Europe and overseas.

Details

Duration: **24 months**, renewable. Starting time: Spring 2020. Salary: approx. **35,000 EUR / year** gross salary.

For enquiries and applications please contact m.dellacqua@santannapisa.it