



Scuola Superiore
Sant'Anna

Pisa, Jan 13th 2022

iBREATHE - Postdoc position, Crop Genomics, Scuola Superiore Sant'Anna, Italy

The Laboratory of Genetics at the Scuola Superiore Sant'Anna (SSSA) invites applications to an upcoming **postdoc position opening in quantitative genetics** to work on the genomic and transcriptional characterization of barley genetic resources in the framework of the iBREATHE project in collaboration with the Agricultural Research Organization (ARO) in Israel.

We are looking for recent Ph.D. graduates or people about to graduate with interest and experience in either genomics, RNA sequencing, and complex trait 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.

Within this project, the Laboratory of Genetics at SSSA will focus on the analysis of transcriptomic and genomic data on parental lines of a multiparent populations in barley, with the aim of unraveling the genetic basis of production traits, heat and drought resistance, and photosynthetic efficiency. Skills in bioinformatics, data management, R programming, QTL mapping will be needed. The position entails traveling for meetings, conferences, field visits in Ethiopia, and interaction with top scientists in the field of plant genomics.

SSSA is located in Pisa, Italy (<https://www.santannapisa.it/en>). The position opening is under the supervision of Prof. Matteo Dell'Acqua. The lab boasts an international profile with PhD students coming from several countries in the world. The successful applicant will have the opportunity to work on different projects beyond the one advertised here. You may find some of the recent research activities ongoing in the lab at: <https://www.capitalisegenetics.santannapisa.it/>

Pisa is a small university town hosting several thousand students, three universities, and several national research institutes. Laying between mountains and the sea, it is a unique place to conduct research while enjoying Tuscany and Italian lifestyle, with a low cost of life and plenty leisure opportunities.

Duration: 12 months, renewable. Starting time: Spring 2022 but can be arranged. Salary: approx. 35,000 EUR / year gross salary. For inquiries and applications please contact **m.dellacqua@santannapisa.it**

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