

The **PlantLab** is an international team working on several aspects of molecular plant physiology, ranging from the responses to endogenous stimuli to adaptation to environmental stresses. It is part of the Institute of Life Sciences (ILS) at Scuola Superiore Sant'Anna that is at the forefront of molecular research in plants, with interest spanning from model species to crops. We carry out research aimed at studying i) plant responses to low oxygen, including germination of rice under anoxia and Arabidopsis low oxygen signaling and perception, ii) plant growth and development, with particular emphasis on sugar-hormone cross-talk, and iii) nutraceutical properties of crops, such as anthocyanin production in tomato and iodine-enrichment. The PlantLab is equipped with instruments and technologies for plant functional genomic studies, including a Gene Expression Lab, walk-in growth chambers, Growth Cabinets, and large greenhouses. An Imaging Lab with video-confocal microscopy and radiolabel/luciferase/GFP imaging systems is also available, together with facilities of the nanoPlant laboratory located within the National Enterprise for nanoScience and nanoTechnology – NEST, Scuola Normale. A molecular and post-genomic approach is the common trait of all the research activities. For further information visit [www.plantlab.sssup.it](http://www.plantlab.sssup.it).

We are looking for PhD candidates in order to participate at the two calls (dead-line 4/06/20) available at the following link:

<https://www.plantlab.santannapisa.it/phd-fellowships-0>

<https://www.santannapisa.it/it/concorsi-di-ammissione/phd-agrobiodiversity-2>

<https://www.santannapisa.it/en/admissions/phd-agrobiosciences-2>

If you are interested, please contact

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