



## PREDOCTORAL STUDENT OFFER

### QUINOA PROJECT

(Comunidad de Madrid Predoctoral Fellowship Call)

Dr. Raquel Iglesias Fernandez from CBGP (UPM-INIA) is seeking for a motivated Predoctoral Student to work on the project **QUINOA4MED: Quinoa as a climate-smart crop diversification option for higher income generation from marginal lands in the Mediterranean. European Project PRIMA-2022**

The project will be carried out at the “**Centro de Biotecnología y Genómica de Plantas**” (CBGP, Severo Ochoa Centre of Excellence 2022-2025).

**Job profile Description:** The Ph.D. student will be integrated into a new research line exploring the potential of quinoa as a smart crop in countries bordering the Mediterranean. Quinoa (*Chenopodium quinoa*, Willd.), a pseudo-cereal originally cultivated in the Andean region, has gained attention throughout the Mediterranean because it yields well even on marginal soils and is tolerant to drought, soil salinity, and other abiotic stresses. Moreover, it is considered among the 20 world’s healthiest foods, as its grains contain a balanced composition of minerals, vitamins, dietary fiber, fats, and high-quality, gluten-free proteins with a balanced amino acid profile. We will combine genetics, biochemistry, molecular biology, and physiology techniques in the project. We seek a highly motivated predoctoral student who preferentially should have an interest in plant biochemistry, molecular physiology, and analytical characterization of metabolites. The student will use molecular, biochemical, and physiological approaches to identify quinoa genotypes tolerant to several abiotic stresses and will have the opportunity to interact with international groups that also participate in the project.

**Deadline for application: January 24<sup>th</sup>, 2023**

**Contact Person** (*send CV and motivation letter*)

**Principal Investigator:** Dr. Raquel Iglesias Fernández

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**CBGP research group:** <https://www.cbgp.upm.es/index.php/es/el-cbgp/raquel-iglesias>

<https://quinoa4med.uni-hohenheim.de/en/research>

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**Information about the Fellowship Program of the Comunidad de Madrid (CAM):**

<https://www.bocm.es/boletin/CM Orden BOCM/2022/07/29/BOCM-20220729-14.PDF>