



Job Opening at Madrid (Spain) 2 Postdoctoral positions Centro de Biotecnología y Genómica de Plantas (CBGP, UPM-INIA)

We have two Postdoctoral Researcher Positions at the CBGP (UPM-INIA/CSIC), financed by the CBGP-Severo Ochoa Centre of Excellence Research Program, to investigate the molecular mechanisms that activate the recently unveiled **zinc-mediated immunity** (Escudero et al *J. Exp. Bot.* 2021). Candidates will work in the project “Death by metals: unveiling the molecular bases of zinc-mediated immunity (ZiMI)” in a collaboration of four research teams working on plant immunity (L. Jordá) metal homeostasis (M. González-Guerrero), molecular mechanics (A. Díaz-Perales) and protein-protein interaction (C. Echavarrí). The selected researcher will work using last generation methodologies of high energy physics at synchrotron facilities, molecular dynamics, multiple -omics, and molecular biology to characterize this new layer in plant innate immunity that links with plant nutrition.

We offer:

Postdoctoral research contracts of 1 year with additional one-year extension subject to project progress. Benefits of the Spanish Social Security system covering sickness, maternity/paternity leaves and injuries at work are included. Salary will be fixed according to the Polytechnique University of Madrid (UPM) regulations (category of Junior Doctor Researcher).

Position requirements:

Candidates should have a MSc or equivalent degree in Biology, Biochemistry, Biotechnology, or related areas and a doctoral degree in plant biology, plant pathology or a related field. Proficiency in English and/or Spanish is required.

We are looking for an **independent** and **enthusiastic researcher** with interest in plant-pathogen interactions, metal nutrition and application of new genomic technologies. The main criteria for selection will be scientific excellence, strong background in plant immunity, protein biochemistry, particularly in protein-protein interaction, and/or RNAseq analysis. Previous experience in plant-microbe interactions or in transition metal nutrition will be positively evaluated.

Application procedure and deadline

Interested researchers must send a single PDF file including CV, a motivation letter and the contact details of two references to lucia.jorda@upm.es and to manuel.gonzalez@upm.es (Subject: ZiMI-postdoc). Applications will be evaluated as received, and positions will remain open until filled. Application deadline is May 31, 2022.