

Postdoctoral Fellow

Metal homeostasis in biological nitrogen fixation

Position Profile:

Postdoctoral researcher with PhD and/or postdoctoral experience in Protein Biochemistry, particularly in protein-protein interaction, proteomics, and/or protein purification. Experience in anaerobic systems, membrane proteins, metalloproteins, or nitrogen fixation will be valued. Proficiency in English and/or Spanish is required.

Job Description

The successful candidate will work in the group Metal Homeostasis at Plant-Microbe Interactions (www.metalsym.com) at Centro de Biotecnología y Genómica de Plantas (CBGP, UPM-INIA) (www.cbgp.upm.es) in Madrid, Spain. CBGP is one of the Spanish research institutes awarded with the Severo Ochoa Seal of Excellence (2022-2025).

The candidate will undertake a multidisciplinary project to design synthetic metal delivery systems to engineered nitrogenase components in crops. This will include: i) identifying and characterizing proteins interacting with metalloproteins, ii) Physiological characterization of mutants (plants or bacteria), iii) Metal imaging, iv) Protein localization with immunofluorescence, v) protein purification and biochemical studies.

Duration:

1 year. Upon positive evaluation, the contract can be renewed on a yearly basis for up to three years.

Salary:

Final salary depending on qualifications and experience based on the Spanish Juan de la Cierva and Cajal Programs.

Start Date:

April-May 2022.

Application deadline:

28.February.2022 or until finding a suitable candidate.

Contact:

Interested candidates should send their CV and contact information of two references to Dr. Manuel González Guerrero (manuel.gonzalez@upm.es) with email subject "Postdoctoral Position".

For further information about the activities of the group, please visit www.metalsym.com.

