POSITION FOR POSTDOCTORAL RESEARCHER at B&PMP, MONTPELLIER, FRANCE

Genome-Wide Association Studies on phosphate and heavy metals homeostasis interaction in wheat.

The "Metal Phytotoxicity" team of the Biochemistry and Plant Molecular Physiology (B&PMP, Montpellier, France) is recruiting one postdoctoral researcher in the frame of a project funded by the program "Chercheur(se)s d’avenir 2015" de la Region Languedoc-Roussillon – France.

B&PMP (https://www1.montpellier.inra.fr/ibip/bpmp/english/index.htm) is defined as an Integrative Biology research department, focused on the mechanisms of plant responses and adaptation to variable abiotic environmental conditions. B&PMP has a strong scientific identity by unravelling the molecular mechanisms, which contribute to determine the hydro-mineral balance of plants, subjected to various abiotic stresses.

Recent findings on nutritional stress suggest that plant growth capacity is influenced by a complex interaction between phosphate and heavy metal homeostasis. However, despite its importance how plants integrate multiple nutritional stimuli into complex developmental programs, and which genes are involved in this ion nutrition interaction is still not clear. Taking advantage of materials and tools we already have at our disposal for the perform GWAS to investigate the molecular basis of such interaction in wheat. The work force will be focus on designing experiments and generating quantitative data on ions accumulation and physiological parameters of various wheat varieties subjected to combinatorial stress for GWAS.

We are looking for motivated candidates to join our team, preferably with a strong background in plant physiology and molecular biology. Additional experience in wheat biology and phosphate/heavy metal transport in plant is highly desirable. Candidates must have a willingness to assist with the supervision of graduate students in the lab.

This position is immediately available, with preferable start date on April 2016.

Please send a Cover Letter explaining your interest in the position and future goals, a CV, and contact information for three references to Hatem Rouached (hatem.rouached@supagro.inra.fr).

Publications:


