



Postdoctoral Researcher position at the Centre of Biotechnology and Genomics of Plants (CBGP / UPM-INIA)

Postdoctoral position in plant-pathogen interactions: Epigenetic regulation of effector genes in fungal plant pathogens

We are seeking for a highly motivated and collaborative postdoctoral researcher to investigate the molecular mechanisms that govern the regulation of effector genes in fungal plant pathogens. The successful candidate will characterize the contribution of chromatin dynamics to virulence and de-repression of effector genes during infection. The work will be focused on the fungal pathogen *Zymoseptoria tritici*, the most damaging pathogen of wheat in Europe.

Type of contract: Temporary contract of 12 months, which can be extended. The estimated starting date will be 01.03.2021 (negotiable). Short-term research stays in the laboratory of our collaborators are envisioned. Career development will be supported in different ways. Salary will be fixed according to the Polytechnique University of Madrid (UPM) regulations (category of Junior Doctor Researcher).

The tasks to be performed aim to fulfil the objectives defined in the project PID2019-108693RA-I00 (Ministerio de Ciencia e Innovación, Spain) and include chromatin immunoprecipitation, confocal microscopy, RNAseq, fungal transformation, greenhouse experiments, infection assays, cloning, qPCR, bioinformatics and preparation of manuscripts.

Eligibility criteria: The applicant should hold a doctoral degree in Plant Biology or a related field. We seek candidates with a strong background in plant science, microbiology and/or plant-pathogen interactions with a solid foundation on molecular biology. Preferentially, the candidate should have strong experience in chromatin immunoprecipitation and confocal microscopy. We are looking for an independent and collaborative colleague with excellent communication skills.

Applications: Applications should be sent as a single PDF file and should include a motivation letter, a detailed CV and the contact details of at least two references. Applications should be sent to Andrea Sánchez Vallet before 15th February 2021 (andrea.sanchezv@upm.es).