

Postdoctoral Position at the Center for Research in Agricultural Genomics (CRAG)

Barcelona, Spain

A postdoctoral position is available to work on the topic of “*The plant peptidome: a new layer on plant regulatory mechanisms*”, in the group of Prof. José Luis Riechmann at the Center for Research in Agricultural genomics (CRAG; Barcelona, Spain).

We seek to incorporate a highly talented and motivated scientist that is interested in modern, multidisciplinary plant sciences, encompassing experimental and bioinformatic approaches.

Peptides play multiple roles in plants, controlling development and growth or affecting stress responses. However, the genome-wide coding potential of short open reading frames in eukaryotes has been underestimated and overlooked until recently, and the plant peptidome is still largely uncharacterized. We are interested in defining the plant peptidome (SORFs and hidden coding sequences in plant genomes) and in the identification of novel peptides involved in developmental and stress processes, in Arabidopsis and legumes. Research will involve genomic, proteomic, genetic and cell biology technologies as well as bioinformatic approaches and extensive large-scale data analyses.

Requirements & Qualifications

- PhD in Biology, Biochemistry or similar.
- Strong molecular biology research skills. Data analysis and bioinformatics skills will be very positively considered. Applicants with experience in plant genetics and molecular biology (in Arabidopsis or other plant species) and genomics and proteomics are especially encouraged to apply, but prior specialization in plant sciences is not required. Good communication skills and fluency in spoken and written English are required.

What we offer

Full time contract, 12 months, renewable

How to apply

Application must include a CV (with names and contact information for three references), PhD Certificate or official notification of the award, and a letter of motivation.

See additional information and submit all the application materials through CRAG website (<https://recruitment.cragenomica.es/>) Position: [Postdoc researcher \(ref. 18/2024\)](#)

For any inquiries or questions, please contact: joseluis.riechmann@cragenomica.es

www.icrea.cat/Web/ScientificStaff/Jose-Luis-Riechmann-Fernandez-444

www.cragenomica.es/research-groups/gene-regulatory-networks-plant-development

Deadline for applications: May 5, 2024

Start date: As soon as possible and ideally no later than July 2023

About CRAG

The Center for Research in Agricultural Genomics (CRAG; www.cragenomica.es) CSIC-IRTA-UAB-UB is an independent research institute devoted to plant and agricultural sciences. CRAG offers excellent facilities to perform cutting-edge research, and an enhanced training and support program for PhD students and postdoctoral researchers. Research at CRAG encompasses basic science in plant development, physiology, metabolism and genetics; synthetic biology; bioinformatics and genomics of plants and farm animals; and applied projects developed together with Agbio, Biotech, and Breeding companies. CRAG is located at the campus of the Autonomous University of Barcelona (UAB), and currently hosts over 200 members from across the world. CRAG is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission.