

POSTDOCTORAL POSITION IN GENOMIC, PROTEOMIC, AND GENETIC ANALYSES OF THE REGULATORY NETWORK OF FLOWER DEVELOPMENT IN ARABIDOPSIS

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A postdoctoral position is available at the Center for Research in Agricultural Genomics (CRAG) in Barcelona, Spain, to study the gene regulatory network that controls flower development in Arabidopsis, using genomic, proteomic, and genetic approaches. We seek to incorporate a highly talented and motivated postdoctoral scientist that is interested in modern, multidisciplinary plant sciences, encompassing experimental and bioinformatic approaches.

The current global, dynamic view of the gene regulatory networks underlying plant development is primarily based on measuring gene expression at the transcriptome level, thus overlooking the substantial role that is played by regulatory processes occurring after mRNA is made. Advances in proteomics and high-throughput genomic analyses have begun to address this challenge.

The successful candidate will be expected to participate in, build on, and lead projects that include: the characterization of genome expression at the proteome level (and modifications of the proteome) throughout flower development; the characterization of the Arabidopsis peptidome and of its roles in flower development and other processes; and the genetic and functional characterization of direct AP1 targets. Research will involve a combination of genomic, proteomic, genetic technologies as well as bioinformatic approaches. The global aim of our group is the characterization and understanding of gene regulatory networks underlying plant development. We use Arabidopsis flower development as our model and primary experimental system, as the onset of flower formation and the process of flower development are excellent paradigms for developmental studies in plants.

The position is available beginning October 1st, or afterwards, but no later than January 2019. The initial appointment is for one year, renewable.

Applicants should have a PhD degree in Biology, Biochemistry or similar and strong molecular biology research experience. Applicants with experience in Arabidopsis or plant genetics and cell biology, and/or genomic and proteomic technologies, are especially encouraged to apply. English language skills are essential, but knowledge of Spanish is not a requirement. Strong skills in communication, organization, and interpersonal relations are desirable.

Apply to: <https://recruitment.cragenomica.es/jobs/open-positions>
(Ref. 23/2018)

Applicants are requested to submit a curriculum vitae (resumé), a letter of motivation, and the name and contact information of three references.

For more information about the research group:

<http://www.icrea.cat/Web/ScientificStaff/Jose-Luis-Riechmann-Fernandez-444>

<https://www.cragenomica.es/research-groups/gene-regulatory-networks-in-plant-development>

About CRAG

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; 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 Universidad Aut3noma de Barcelona (UAB), and currently hosts 200 members from across the world, including about 60 PhD students and over 30 postdoctoral researchers, in its facilities inaugurated in 2011: an ample and well-equipped building designed for modern plant biology and genomics research. CRAG received in 2015 the “Severo Ochoa Center of Excellence” Award, and the “Human Resources Excellence in Research” accreditation. The accreditation reflects CRAG's commitment to conduct transparent and merit-based recruitment and appraisal procedures and to provide attractive working conditions. CRAG is an equal opportunity / affirmative action employer and encourages women and underrepresented minorities to apply.