

## (Ref. 13/2015) Postdoctoral position

The Center for Research in Agricultural Genomics (Crag) is looking for a Postdoctoral Researcher to as part of the Plant Viruses Research Group. For more information: <http://www.cragenomica.es/es/grupos-de-investigacion/plant-viruses>

Crag is an independent research institution engaged in leading-edge basic and applied plant and farm animal sciences. Crag is established as a Consortium of the Spanish National Research Council (CSIC), Institute of Agrifood Research and Technology (IRTA), Autonomous University of Barcelona (UAB), and University of Barcelona (UB). The Center is located at the UAB campus, and currently hosts 200 members from across the world.

Research Programs at Crag (from basic science to applied research using plant experimental model systems, crops and farm animals) make extensive use of large sets of genetic and genomic data, including high-throughput sequencing-based methods, high-throughput genotyping, and complete genome sequences and genome re-sequencing (<http://biannualreport2012-2013.cragenomica.es/>).

### Main Responsibilities:

We search for an experienced researcher to participate in a project aiming to understand the relationships between plant viruses, host plants and insect vectors in the context of mixed infections. A variety of experimental pathosystems will be used, including cucurbitaceae and solanaceae host plants, aphids and whiteflies as potential vectors, and combinations of criniviruses with ipomovirus/potyvirus in melon, or with begomoviruses in tomato. Both molecular and –omics based approaches will be applied.

A substantial part of the experimental work will be performed at the IHSM (Institute for Mediterranean and Subtropical Horticulture La Mayora, IHSM-UMA-CSIC, Málaga)

**Laboratory:** Dr. Juan José López-Moya (Crag, Barcelona) and Dr. Juan Antonio Díaz Pendón (IHSM, Málaga)

### Requirements:

Educational requirements: PhD in Plant Molecular Biology, Virology or related fields.

Qualifications and Experience: Strong background in molecular biology, including experience with experimental design and statistical analysis.

### Additional Specifications:

Previous experience in molecular techniques, phytopathology, field studies and handling of insects and plant viruses will be evaluated positively. Experience in bioinformatics and in the analysis of next-generation sequencing data are helpful, but no required.

### Required Skills:

Strong skills in communication, organization, and interpersonal relations. The candidate may supervise laboratory undergraduate and graduate students in conducting sample preparation, experimental design and data analysis.

### We offer:

Contract duration:12 months

Hours/week: Full time

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### Submission of applications:

*Interested candidates, please submit:*

- Letter of motivation describing past and current projects (1.5 pages max.)
- Full CV including a list of publications, experience and techniques.
- Three references (including email address and phone number)

All the candidatures must be registered and send the documents at: <http://www.cragenomica.es/jobs/jobs.php>

**Deadline: 23/03/2015**