CENTRE FOR RESEARCH IN AGRICULTURAL GENOMICS

EXCELENCIA SEVERO OCHOA 2016-2019

Phd Positions at the Centre for Research in Agricultural Genomics (CRAG; Barcelona, Spain)

The INPhINIT, "la Caixa" Doctoral Fellowship 2018 Programme is open for applications

INPhINIT is **a doctoral fellowship programme** devoted to attracting **international Early-Stage Researchers** to the top Spanish research centres in the areas of Bio and Health Sciences, Physics, Technology, Engineering and Mathematics. INPhINIT is promoted by the **"la Caixa" Foundation** with the aim of **supporting the best scientific talent** and **fostering innovative and high-quality research in Spain.**

INPhINIT recruits per call **57 Early-Stage Researchers of any nationality,** who enjoy a **3-year employment contract at the Research Centre of Excellence of their choice.** In addition, researchers establish a **personal career development plan** including trasnational, intersectoral and interdisciplinary **mobility opportunities,** and attend a full range of **complementary training courses and workshops.**

CRAG offers 11 research projects under the INPhINIT programme, which fall into different disciplines such as Plant biology, Microbiology, Molecular Biology, Genomics and Proteomics or Bioinformatics. CRAG research projects are:

- Deciphering microRNA (miRNA) function in plant immunity and disease resistance: CRISPR/CAS9-mediated genome editing of miRNAs in rice plants (Blanca San Segundo)
- Genetic dissection of climacteric fruit ripening using a collection of introgression lines in melon (*Cucumis melo L.*) (Jordi Garcia-Mas)
- Application of new peach breeding strategies based on molecular markers (Iban Eduardo)
- Improving the production of metabolic precursors for plant metabolites of nutritional and industrial interest (Manuel Rodríguez-Concepción)
- Exploiting post-translational modifications in sustainable agriculture (L. Maria Lois)
- The hidden nature of the Arabidopsis peptidome: Analyses of the Arabidopsis flower development gene regulatory network (José Luis Riechmann)
- Comparative analyses in the response to vegetation proximity in shade-avoidance and shade-tolerant species (Jaime F Martínez Garcia)
- Cellomics applied to the understanding of bacterial plant diseases (Núria Sànchez-Coll)
- Role of TEMPRANILLO genes in plant development and hormone signalling (Paula Suárez-López)
- InnoBioFruits: Innovative biotechnological strategies for reshaping peach fruits (María José Aranzana Civit; Juan José Lopez-Moya; María Coca)
- Elucidating the role of glycosylated sterols in the plant response to biotic stress (Albert Ferrer)

Learn more about these positions at https://www.cragenomica.es/news/inphinit-2018

The end of the call for applications is **1st of February, 2018**

INPhINIT relies on the **European Commission's support** through the **Horizon 2020 Marie Skłodowska-Curie Actions - COFUND programme.**