FPI-PhD position available in the López-Bendito's laboratory

We are seeking for highly motivated and talented PhD student candidates interested in studying **BRAIN CIRCUITS DEVELOPMENT** in the Development, Plasticity & Reprogramming lab at the IN in Alicante. The fellowship is supported by a grant from the Ministry of Science and Innovation.

Our research topic is to understand the programs involved in the development, plasticity, and reprogramming of sensory circuits (http://lopezbenditolab.com). In particular, our aim is to uncover the principles underlying modality-specific sensory circuits formation, maintenance and plasticity following sensory deprivation, through an integrated and innovative experimental programme (see Science 2022; Neuron 2021; Science Adv 2021; Science 2019; Nat Comm 2017). These include *in vivo* meso-scale imaging in embryos, electrophysiology and manipulation of gene expression in vivo, cell and molecular biology and cell culture.

Candidates should have these qualifications: (1) a Master's degree in life science, (2) essential knowledge and strong interest in Neuroscience, and (3) plenty of motivation, responsibility and dedication to work in an academic research lab.

Desired skills: Good planning skills, detail-oriented, well organized, teamwork skills, strong initiative and innovation abilities, ability to learn tasks quickly and enthusiasm.

Working conditions: Employed in compliance with Spanish legislation and regulations under a full-time contract. The working language of the lab is English.

International environment: The opportunity to join a prestigious, diverse and inclusive international research institution. The laboratory will provide an excellent multidisciplinary working atmosphere at the Institute of Neuroscience in Alicante, located in the south-east of Spain at the University of Miguel Hernández-CSIC campus. The host institute is composed by several research groups exploring the development, structure and function of the nervous system in normal and pathological conditions (http://in.umh.es/).

Benefits: Continuous training in a high-quality environment with unique professional career opportunities.

HOW TO APPLY:

Applications for the above opening should include: (1) Full CV, (2) motivation Letter and (3) At least two independent references (with full address, email and telephone number). Full applications should be sent to Guillermina López-Bendito: g.lbendito@umh.es.

Deadline for applications: **31/12/2022** (If no suitable candidate is found, the deadline will be extended)

Pre-selection: Will be based on CV, motivation letter & experience. Interviews: Short-listed candidates will be interviewed.