



A Postdoctoral Research position to study functional sensory circuits development at the López-Bendito Laboratory in the Institute of Neuroscience, Alicante, Spain

We are seeking for highly motivated postdoctoral neuroscientist with a strong background in neuroscience to study the functional development of sensory circuits and spontaneous activity programs in mice using *in vivo* meso-scale and two-photon calcium imaging, and *in vivo* electrophysiology.

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 a PhD in fields related to our work and these qualifications: (1) background in developmental neuroscience and/or systems neuroscience, (2) a strong experience in calcium imaging and/or electrophysiology, and (3) proven track record and an independent working style.

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/>).

Candidates should send: (1) CV and contact information of 3 references, and (2) cover letter specifying the research interests, to **Guillermina López-Bendito**: g.lbendito@umh.es. The position fits under an ERC Advanced Grant.

