

Agencia Estatal de Investigación. Ministerio de Ciencia e Innovación.

Contrato posdoctoral

Proyecto: PID2020-114525GB-I00

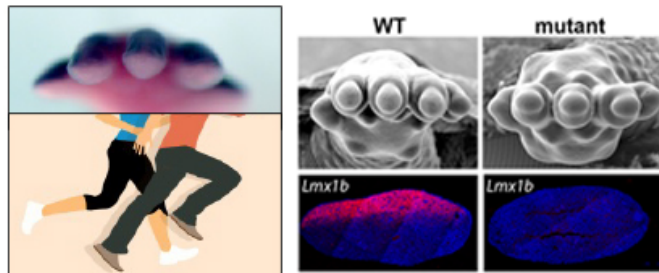
Dorso-ventral limb polarity and its implication in morphogenesis and regeneration

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We seek a highly motivated researcher who is experienced in next-generation sequencing data analysis and processing of large-scale omics data. The candidate will be responsible for the analysis of functional omics data generated in a project on the study of *Lmx1b* regulation and mode of action.

Lmx1b is the dorsal limb determinant, as it is both necessary and sufficient to generate limb dorsal morphologies. Our goal is to understand *Lmx1b* function in development, evolution, and disease.



The IBBTEC, located in Santander, is equipped with state-of-the-art research facilities supporting highly engaged groups in an enthusiastic and challenging atmosphere.

Profile requirements:

- Prior experience in next-generation sequencing data processing and analysis (ATAC-seq, ChIP-seq, HiC).
- Cross-disciplinary aptitude and interest in collaborative biomedical research

We offer:

- A 1-year contract (extension possible) according to CSIC salaries policy.
- A scientifically dynamic, innovative and well-equipped surrounding.

For more information, please contact **Marian Ros** (rosm@unican.es)

Selected publications:

- Haro E et al. (2021) Identification of limb-specific *Lmx1b* auto-regulatory modules with Nail-patella syndrome Pathogenicity. *Nat Commun.* 2021 Sep 20;12(1):5533. doi: 10.1038/s41467-021-25844-5.
- Fernandez-Guerrero et al. (2020) Mammalian-specific ectodermal enhancers control the expression of *Hoxc* genes. *Proc Natl Acad Sci U S A.* 2020 Dec 1;117(48):30509-30519. doi: 10.1073/pnas.2011078117.
- Bastida et al., (2020) The formation of the thumb requires direct modulation of *Gli3* transcription by *Hoxa13*. *Proc Natl Acad Sci U S A.* Jan 14;117(2):10901096. doi: 10.1073/pnas.1919470117.