

FPU Predoctoral Contract at CNIC (Dr. Jose Luis de la Pompa's Group)

Intercellular Signaling in Cardiovascular Development and Disease Lab

We are seeking a **highly motivated candidate** who wants to start a scientific career **to do the PhD in our group**. We offer incorporation to our team via Predoctoral contract (2019 FPU call) to study the role of intercellular signals in mouse ventricular wall development and cardiomyopathy using Crispr-Cas9 genomic editing, in vivo, in vitro and live imaging approaches, and human tissue for validation studies.

Excellent research environment and facilities

Mandatory requirements: Master's degree in Biomedical Sciences and an academic record with average grade over 8.5 (out of 10)

DESIRED PROFILE:

- University Degree in related biomedical sciences
- Solid communication skills in English
- Interest in cardiac developmental genetics and congenital heart disease

If you are interested, send your CV, the academic record, a letter of interest and contact details of previous references to cgimenez@cnic.es indicating in the subject: JLP2019 no later than November 4th 2019

Recent publications of the group:

- Del Monte-Nieto G, Ramialison M, Adam AAS, Wu B, Aharonov A, D'Uva G, Bourke LM, Pitulescu ME, Chen H, de la Pompa JL, Shou W, Adams RH, Harten SK, Tzahor E, Zhou B, Harvey RP. [Control of cardiac jelly dynamics by NOTCH1 and NRG1 defines the building plan for trabeculation](#). *Nature* (2018) 557:439-45
- MacGrogan D, Munch J, de la Pompa JL. [Notch and interacting signalling pathways in cardiac development, disease, and regeneration](#). *Nat Rev Cardiol* (2018) 15:685-704
- Munch J, Grivas D, Gonzalez-Rajal A, Torregrosa-Carrion R, de la Pompa JL. [Notch signalling restricts inflammation and serpine1 in the dynamic endocardium of the regenerating zebrafish heart](#). *Development* (2017) 144:1425-40

For a complete list of publications please visit <https://www.cnic.es/en/investigacion/1/824/publicaciones>

