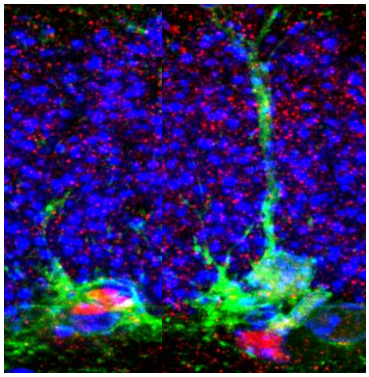
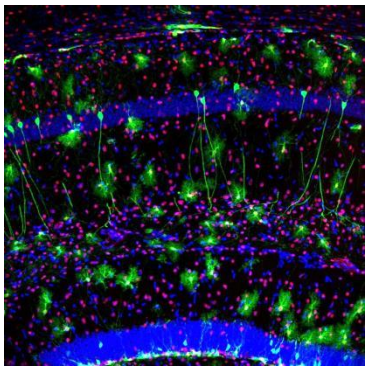
January 2019

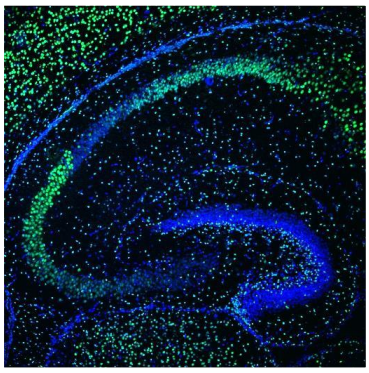
INSTITUTO CAJAL

MADRID (SPAIN)

LABORATORY OF NEUROGENESIS AND PATTERN FORMATION







We are looking for highly motivated and enthusiastic candidates with a PhD in the Biomedical field, interested in pursuing a posdoctoral research in Neuroscience in the **laboratory of Dr. Aixa Morales at the Cajal Institute**.

The candidate will work in adult and developmental neurogenesis in the hippocampus and will use different models and techniques, including region-specific knockout mice, genome-wide analysis, neurospheres culture and animal behavioral test.

Requisites:

- To have a PhD obtained between the 1st of January, 2017 and the 31st of December, 2018.
- The candidate will apply for **Juan de la Cierva-formación contracts of the Spanish Ministry of Science, Innovation and Universities** from the recent call . More information can be found at:

http://bit.ly/2TfToxG

- Research experience in Molecular Biology and mouse models will be valued.

Interested candidates should contact us before the 28th of January, 2019.

Selected publications:

- FGF signaling enhances a Shh negative feedback loop to coordinate ventral patterning and caudal extension of the spinal cord. Morales, A.V., Espeso-Gil, S., Ocaña, I., Nieto-López, F., Calleja, E., Bovolenta, P., Lewandoski, M. and Diez del Corral,R. ***Dev. Neurobiol.*** 76(9):956-71 **(2016).**

- Brain insulin-like growth factor-I directs the transition from stem cells to mature neurons during postnatal/adult hippocampal neurogenesis. Nieto-Estevez, V, Oueslati-Morales, C.O., Li, L., Pickel, J., Morales, A.V., and Vicario-Abejon, C. ***Stem Cells*** 34(8):2194-209 (**2016**)

- Sox5 controls dorsal interneuron specification, counteracting Wnt signalling in the developing spinal cord Quiroga, A.C., Stolt, C.C., Diez del Corral, R., Dimitrov, S., Perez-Alcala, S., Sock, E., Barbas, J., Wegner, M. and Morales, A.V. ***Dev. Neurobiol.*** ; 75(5):522-38 **(2015)**

- *FGF and retinoic acid activity gradients control the timing of neural crest cell emigration in the trunk.* Martinez-Morales, P.L., Diez Del Corral, R., Olivera-Martinez, I., Quiroga, A.C., Das, R.M., Barbas, J.A., Storey, K.G., and Morales, A.V. ***J. Cell Biol.*** *194: 489-503* ***(2011).***

- *SOX5 controls cell cycle progression in neural progenitors by interfering with the WNT-beta-catenin pathway*. Martinez-Morales, Quiroga, , Barbas, J.A., and Morales, A.V**. *EMBO Rep*** 11, 466-472 (**2010**).

Dra. Aixa V. Morales García

Instituto Cajal, Av/ Doctor Arce, 37. 28002- Madrid

Tel: 915854722; Fax: 915854754

Correo e**.: aixamorales@cajal.csic.es**

http://www.cajal.csic.es/departamentos/diezdelcorral-morales/diezdelcorral-morales.html