PhD STUDENT POSITION IN DEVELOPMENTAL AND CELL BIOLOGY
AT THE DEPARTMENT OF EXPERIMENTAL AND HEALTH SCIENCES
UNIVERSITAT POMPEU FABRA (BARCELONA, SPAIN)

We are interested in understanding how tissue compartmentalization and cell fate decisions take place in the Central Nervous System during embryonic development. We use the developing brain of the vertebrates - the hindbrain - as model to analyse the molecular mechanisms of tissue subdivision and cell differentiation. The project will focus in understanding how brain morphogenesis and cell fate acquisition are intertwined during the establishment of different cell lineages. Imaging tools (3D+time imaging), and genome-editing technology will be combined using zebrafish embryos (for more information go to http://pujadeslab.upf.edu/).

Zecca, A, Dyballa, S, Voltes, A, Bradley, R, Pujades, C. The order and place of neuronal differentiation establish the topography of sensory projections and the entry points within the hindbrain; J Neuroscience 2015
Calzolari, S, Terriente, J, Pujades, C. Cell segregation in the vertebrate hindbrain relies on actomyosin cables located at the interhombomeric boundaries; EMBO J 2014

CANDIDATE REQUIREMENTS:

We are seeking for highly motivated and enthusiastic candidates with Graduate studies related to Biomedicine. They will integrate the International PhD Program in Biomedicine of the Department of Experimental and Health Sciences (UPF), which has been awarded with the Quality Mention by ANECA (National Agency for Quality and Assessment, Spain).

Candidates are required to have lived during the last 12 months outside Spain and master English language. The fellowship covers the stipend of the PhD student for at least 3 years.

The candidates will benefit from working in a dynamic group, at a university department that recently received the Maria de Maeztu Award for its scientific excellence. We are located within the PRBB in Barcelona, a vibrant research park harboring several research institutions and cutting-edge core facilities.

Interested candidates are encouraged to contact Cristina Pujades. To apply, send a letter of interest, CV, and contact details of 2 referees to cristina.pujades@upf.edu