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 analyze the molecular mechanisms of tissue subdivision and cell differentiation. The project will focus in understanding how morphogenesis and cell fate acquisition are intertwined during neurogenesis. Imaging tools (3D+time imaging), and genome-editing technology will be combined using zebrafish embryos.

Calzolari, S, Terriente, J, Pujades, C. Cell segregation in the vertebrate hindbrain relies on actomyosin cables located at the interhombomeric boundaries. EMBO J Apr 1;33(7):686-701, 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 must have good English communication skills.
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 Maetzu Award for its scientific excellence. We are located within the PRBB in Barcelona, a vibrant research park harboring several research institutions.
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