



Barcelona
Biomedical
Research
Park

PhD position in Inner Ear Development and Regeneration, UPF-PRBB

FGF and Retinoic Acid Signaling during development and regeneration

The inner ear is a highly complex sensory organ that allows us to communicate with the external world. Sensory information is captured by specialized sensory cells that emerge during development in a precise temporal and spatial order. This PhD project will address the question on how FGF and Retinoic Acid signals regulate the development and regeneration of sensory cells and how extrinsic signals are integrated at a molecular level. We use the zebrafish as model system to address these questions. You will be combining functional experiments through transgenic fish lines, in vivo imaging of progenitors and studies of regulatory regions by computational and ChIP experiments. The project provides multidisciplinary training using state-of-the-art techniques and you will therefore be well placed for a future career in biomedical sciences.

The Department of Experimental Life Sciences at Universitat Pompeu Fabra is part a leading biomedical research center with an excellent international projection. The PRBB, located in front of the sea and highly international, will provide you with a young, dynamic and interacting atmosphere to ensure you opportunities to discuss and learn from experts in diverse fields.

Applicants should have a BSc in biomedical science (or equivalent) and a MSc with strong academic record to apply to competitive PhD fellowships. Applicants should be highly motivated in the field of stem cell, developmental biology and regeneration and be familiar with developmental biology techniques. Basic knowledge of programming or zebrafish manipulation will be strongly encouraged.

The position will be available from September 2011 for four years. Funding is available for the first year.

If interested please send your application (including CV and BSc academic record) by e-mail to:

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