

Post-Doctoral Position

Overlapping vs. unique functions of Otx proteins in the mouse retina

A post-doctoral position is available in the Neurodevelopment Team at the iBV, Nice, France, to create and study new mouse genetic models that, together with the established Otx2 conditional knockout model, will help disentangling the roles of Otx proteins in retinal development and function. The project will use the CRISPR/Cas9 strategy to generate new alleles that will be instrumental to characterize the repertoire of target genes of Otx family members. Our approach is based on a strategy that was successfully used for Otx2 and that led to the identification of new genes relevant to retinal diseases. We will take advantage of time series analyses of gene expression by RNA-seq to achieve a non-biased identification of direct target genes.

The candidate will contribute to the creation of new mouse genetic models aimed at deciphering to which extent Otx proteins act redundantly in development. Candidates should hold a PhD in cellular and molecular biology. Experience in mouse molecular genetics is required. The successful candidate will possess strong self-motivation, excellent written and spoken English communication skills and team spirit.

The institute of Biology Valrose, (**iBV** <http://ibv.unice.fr>), is a leading Center for research in cellular and developmental biology. It is located on the Valrose Campus of the University of Nice. It hosts an international PhD program and welcomes post-doctoral researchers from more than 20 countries, which makes it very lively. Nice is a beautiful city on the French Riviera with a cosmopolitan lifestyle.

Please send full CV including research interests and the name of 2-3 referees by email to Thomas Lamonerie (lamonerie@unice.fr)
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