



Postdoctoral position in Developmental Neurobiology

Michèle Studer team

Institute of Biology Valrose (iBV), Nice, France

A postdoctoral position is available from **January 2021** in the “*Development and Function of Brain Circuits*” team led by M. Studer. We aim to understand how rare genetic variants of key master genes of brain development and circuit assembly can cause neurodevelopmental diseases (NDDs). The project will determine the impact of missense variants identified in the *NR2F1* gene on the heterogeneity of neurodevelopmental defects described in affected patients. The postdoc will study genotype/phenotype correlations by using CRISPR/Cas9 gene editing *in vivo* and decipher the pathological contribution of representative variants in the mouse system. We expect that the results of this work using experimental systems as well as the identification of Nr2f1 direct targets and interacting partners will help in understanding the phenotypic heterogeneity of patients and unveil pathophysiological mechanisms common to multiple NDDs.

Location

The team is located in the heart of Nice and is part of the Institute of Biology Valrose (27 teams; 300 people; 25 nationalities), an international research centre that brings together high-profile teams with complementary areas of expertise and with a common interest in translating basic research into knowledge for the clinic. The iBV provides state of the art core facilities, with a collaborative and lively atmosphere in a gorgeous city/region. For more information, visit <http://ibv.unice.fr/EN/institute/presentation.php>

Qualification and experience

We are seeking highly motivated young candidates holding a PhD for less than 2 years. Preference will be given to applicants with a background in mouse genetics, cellular and molecular biology, confocal imaging and genome wide approaches. The position is opened for one year renewable up to 3 years (including medical benefits) starting as early as January 2021. Fluency in English is mandatory but ability to speak French is not required.

Applications

Applications should contain a CV, a letter of motivation with a description of research accomplishments (2 pages max) and the contact information of two references able to recommend their research work directly to Michele.STUDER@unice.fr.

Selected related publications :

1. Bertacchi M. et al., *EMBO J.* **2020 Jun 2**. PMID: 32484994
2. Bertacchi M. et al., *EMBO Mol Med.* **2019 Jul 18**. PMID: 31318166
3. Bertacchi M. et al., *Review, Brain Res.* **2018**, Apr 27. PMID: 29709504.
4. Bosch D.G. et al., *Am J Hum Genet* **2014**, Feb 6.. PMID: 24462372