



Postdoctoral position in brain slice electrophysiology **Michèle Studer laboratory** **Institute of Biology Valrose (iBV), Nice, France**

A 3-year post-doctoral fellowship is available from **October 2015** to study the molecular and cellular mechanisms of cortical network physiology and plasticity by combining electrophysiology and genetic tools on mouse brain slices. This is a new project for the team in which the candidate will work in an interdisciplinary environment and use the newly acquired and state-of-the-art multielectrode array that allows simultaneous recording from maximum 120 electrodes with an integrated data acquisition system (<http://www.multichannelsystems.com/systems/mea2100-120-system-e>). Data analysis and network modeling will be accomplished with the close collaboration and expertise of the Mathematics Laboratory J.A. Dieudonné.

Location

The group is located at the beautiful Valrose Campus in the heart of Nice and is part of the iBV, 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.

For more information, visit <http://ibv.unice.fr/EN/institute/presentation.php>

Qualification and experience

We are seeking highly motivated candidates with strong past multielectrode single unit recording experience in brain slices. Candidates must have less than 3 years of research experience after their PhD. We offer expertise in mouse genetics, *in utero* electroporation, molecular and cellular biology and encourage developing an independent research project.

Applications

Interested candidates should send their CV including a list of publications, a brief description of past and current achievements including technical expertise and scientific interests, and contact information of three references able to recommend their research work directly to both Michele.STUDER@unice.fr and Franck.GRAMMONT@unice.fr.