



Post-Doctoral Scientist at IBF-CNR Trento, Italy (expression of interest)

We are seeking an highly motivated postdoctoral researcher to join our team in the lab of Neurosystems and Photosensory Biophysics at the Institute of Biophysics, Unit of Trento, National Research Council of Italy.

The main focus of the lab is the biophysics of neuro- and photo-systems. Specifically, we are looking for a person with a strong background in physiology and/or biophysics to work with patch-clamp technique on neurons and neuron-like cell models adhering to organic and/or inorganic memristive artificial surfaces. The project, named MaDEleNA and funded by the Autonomous Province of Trento (PAT), is aimed to study bio-hybrid interfaces able to mimic neuromorphic functionalities (see Juarez-Hernandez et al., *Biophys. Chem.* 208:40-47, 2016). Further attention will be addressed to the electrophysiological study of neurons expressing neurodegenerative diseases.

The ideal candidate must have proven experience in electrophysiology, patch clamp in particular. In addition, molecular biology, optogenetic and imaging skills are desirable. A Ph.D. in biophysics or neurosciences or neurobiology could constitute a preferential title.

Autonomy, flexibility, the ability to work in a multidisciplinary team are essential requisites.

The position will start at first 2016 quarter with a duration of one year. The competition announcement, salary and benefit will follow the CNR guidelines.

The IBF-CNR Trento Unit (<http://www.ibf.cnr.it/>) provides an attractive environment for both young and established researchers thanks to the synergy with Bruno Kessler Foundation (FBK, <http://www.fbk.eu/>), which hosts our institute, and the Centre for Integrative Biology (CIBIO, <http://www.unitn.it/en/cibio>) of the University of Trento. Add-ons are the beauty of Trento and surroundings, and its highly renowned life quality.

Interested candidates should send a CV (including names and addresses of 2-3 references) to:

Dr. Carlo Musio, Consiglio Nazionale delle Ricerche, Istituto di Biofisica (IBF-CNR), Via Sommarive 18, 38123 Trento - Italy, e-mail: carlo.musio@cnr.it