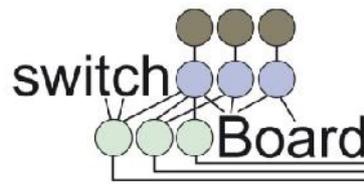


PhD position

Pharmacology and Toxicology
Center of Chemistry and Biomedicine
University of Innsbruck
Austria



Job description

Position for PhD training, **Innovative Training Network (ITN)** funded by the European Commission's Horizon 2020 program, Project name: SwitchBoard: "In the eye of the observer: Visual processing at the heart of the retina", Early Stage Researcher (ESR).

At the Pharmacology and Toxicology, Center of Chemistry and Biomedicine, University of Innsbruck one PhD position is available, in the group led by Prof. Alexandra Koschak, starting in May 2016, for a period of 36 months. The ESR will spend a period of 10 months in the group of Prof. Enrica Strettoi at the CNR Neuroscience Institute Pisa, Italy.

In this project the ESR will determine changes in the synaptic fine structure of both rod and cone bipolar cell pathways and their connectivity in two selected mouse models of retinal degenerative diseases.

The project is highly multidisciplinary, involving different aspects of morphological and functional analyses; these include immunohistochemical and EM analyses as well as multielectrode array and patch-clamp recordings.

Candidate profile

Master or equivalent degree (which allows starting a doctorate or PhD thesis) in biology or a related discipline. The preferred candidate should have a broad knowledge of e.g. neuroscience, neurobiology with focus on synaptic physiology and models of retinal degeneration. Experience in animal work is welcome but willingness to work with animals is essential. Good knowledge in written and spoken English is mandatory. Pre-existing laboratory experience is important and experience in one of the methods mentioned would be of advantage.

The EU has strict eligibility criteria for ITN Early Stage Researchers. Candidates

- must not have resided or carried out their main activity in the country of the host institution for more than 12 months in the 3 years immediately prior to their recruitment.

- must be in the first 4 years of their research careers (this is measured from the date when they obtained the degree which formally entitles them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided) AND have not yet been awarded a doctoral degree.

Application

Please send your application to alexandra.koschak@uibk.ac.at and enrica.strettoi@in.cnr.it, including a CV, information on previous research experience as well as a list of publications and contact coordinates of two academic referees. Please mark the email with 'ITN PhD application'.

Deadline: January 15th, 2016

The successful applicant will be employed full-time in accordance with the agreement between the H2020-MSCA-ITN-2015 regulations and the University of Innsbruck.