



PhD position in Axon guidance of mature regenerating axons

A 3years PhD position is available in Homaira Nawabi's team (Grenoble Institute of Neuroscience GIN INSERM U1216, University Grenoble-Alpes) on a project in collaboration with Clément Hébert team.

<https://nblab.univ-grenoble-alpes.fr>

<https://www.neurotech-lab.fr>

Our recent data show that regenerating axons in the Central Nervous system (CNS) neurons are not able to find their proper target after injury leading to impairment of functional recovery. Today, no treatments are available to treat patient after traumatic or chronic injury like neurodegenerative disease. This represents a huge challenge for medicine and society. The goal of the PhD project is to manipulate guidance cues in order to improve brain innervation by electric stimulation and functional recovery in the mouse visual system.

Qualification: We seek an enthusiastic, highly motivated student to work on guidance cues modulation by electric stimulation in mouse visual system. The candidate needs to hold master degree with very good track record and a strong background in electrophysiology, signal processing and neurobiology. Additional knowledge in mouse handling and microscopy are a plus. We offer a close supervision in a motivated team and a stimulating scientific environment.

Location: The laboratory is part of the GIN Grenoble Institute of Neurosciences, at Inserm (French institute of health) and Grenoble Alpes University research center devoted to understanding brain functions in health and diseases. The GIN is composed of research teams specialized in the study of physiological processes or in pathologies of the nervous system and in the development of innovating techniques to explore them and provides with the state-of-the-art facilities and technologies. The GIN is founder member of the Grenoble center of excellence in neurodegenerative disorders (GREEN). Grenoble is an active research city in France located three hours from Paris by train.

How to apply:

Candidates should send a cover letter, a CV and at least two reference letters to:

Homaira Nawabi, homaira.nawabi@inserm.fr and Clément Hébert, clement.hebert@inserm.fr