

Project title : Pharmacological characterization of neuronal acetylcholine receptors in the tick *Ixodes ricinus*.

Duration : 3 years – preferred starting date 01/10/2022

Hist laboratory : LBLGC laboratory, 1 rue de Chartres, University of Orleans, France

Description :

The team neurobiology of adaptative mechanisms of the LBLGC laboratory at the University of Orleans is offering a PhD position.

Your profile : We are looking for a motivated PhD student to join the group to perform patch clamp electrophysiological recordings as well as manipulations of arthropod neurons to examine their functional properties.

Suitable applicants should have experience in electrophysiology or systems neuroscience as well as the ability to work/use arthropod neurons.

Important : Applicant should hold a master's degree in physiology, neurobiology or related disciplines with a focus on neuroscience.

We offer an attractive working place in a young and highly motivated environment and an internationally highly relevant scientific topic related to arthropod neuronal network function.

The project will be developed in collaboration with Dr. Ladislav Simo's lab (<https://www.neuropatick.com/>).

Methods and skills

We further offer an excellently equipped laboratory, state-of-the art 2 patch clamp recording and 2 TEVC stations and in vitro calcium imaging. The applicant will have access to all laboratory's equipment at Orleans and Paris.

Selection process A pre-selection will be made based on documents provided by applicants (complete CV, letter of recommendation, results obtained in the master program). Applicants that are pre-selected will be invited for an interview. Please send your application to Prof. Steeve Thany (steeve.thany@univ-orleans.fr) and Dr Emiliane Taillebois (emiliane.taillebois@univ-orleans.fr) .

The university of Orleans

The university of Orléans is located in the south of Paris (1h15 from Paris) and 20 min from the downtown of Orléans. It comprises 26 research laboratories and around 20 000 students. Life in Orléans is wonderful and not expensive.

Closing date :

Position will be open until the recruitment of a PhD student. But, the starting date will be october 1st, 2022.

Supervisor : Prof. Steeve H. Thany, University of Orleans, France

Co-supervisors : Dr. Ladislav Simô, INRAE, Ecole Vétérinaire Maison Alfort, France

Dr. Emiliane Taillebois, University of Orleans, France