

Funded 6 months internship position at LBLGC USC INRAE 1328 laboratory.

University of Orléans, France

Host laboratory	LBLGC USC INRAE 1328 University of Orléans 1 rue de Chartres, 45067 Orléans, France Team : Entomology and Integrated Biology
Supervisor	Prof. Steeve H. Thany steeve.thany@univ-orleans.fr Phone : +33 (0) 238 41 70 58
Co-supervisor	Dr. Emiliane Taillebois emiliane.taillebois@univ-orleans.fr Phone : +33 (0) 238 41 73 96
Project title	<i>Pharmacological study of tick neuronal acetylcholine receptors</i>
Summary	<p>Cholinergic pathways play an important function in the arthropod nervous system. Recently, it was proposed that they are involved in the salivary glands of the tick <i>Ixodes ricinus</i>. But, the functional properties of the tick cholinergic neurons are complex and cholinergic neurons involved in the salivary glands need to be explored. The objective of this study is to characterize the neuropharmacological properties of tick cholinergic neurons using patch clamp recording. The project will be developed in collaboration with Dr. Ladislav Simo's lab at INRAE Maisons-Alfort, close to Paris (https://www.neuropatick.com/), and under an ANR funding (ANR Axotick).</p>
Methods and technical skills	<p>We are looking for a very enthusiastic student who will be interested to develop patch clamp recording and to work on arthropod nervous system.</p> <p>Depending to the results, the student will have the opportunity to apply for a PhD grant under the ANR Axotick funding. He/Her will have access to all laboratory's equipments at Orleans and Paris.</p>
Pre-selection process	<p>A pre-selection will be made based on documents provided by applicants (Complete CV, letter of recommendation, the results in Licence and Master degrees).</p>
The university of Orléans	<p>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.</p>
	<p>Closing date : 15 december 2021 Starting date : January 2022 (preferably)</p>