

# Funded Ph.D position-LBLGC USC INRAE 1328

## University of Orléans, France

<b>Host laboratory</b>	LBLGC USC INRAE 1328 University of Orléans 1 rue de Chartres, 45067 Orléans, France Team : Entomology and Integrated Biology
<b>Supervisor</b>	Prof. Steeve H. Thany steeve.thany@univ-orleans.fr Phone : +33 (0) 238 41 70 58
<b>Co-supervisor</b>	Dr. Emiliane Taillebois emiliane.taillebois@univ-orleans.fr Phone : +33 (0) 238 41 73 96
<b>Project title</b>	<i>In vitro</i> evaluation of the pharmacological properties of neonicotinoids, sulfoximines and butenolides on insect and mammalian neuronal nicotinic acetylcholine receptors
<b>Summary</b>	<p>Neuronal nicotinic acetylcholine receptors (nAChRs) are of particular interest because they are the main target of neonicotinoid insecticides, which are important in agriculture and veterinary medicine for controlling insect pests, and preventing transmission of insect borne diseases.</p> <p>In the present study, we aim to compare the mode of action of several insecticides on neuronal nAChRs using two-electrode voltage clamp. The project will be conducted in collaboration with chemists. Thus, the candidate should have good capacity for teamwork and communication skills.</p>
<b>Methods and technical skills</b>	<p>We are looking for an applicant with skills on electrophysiological studies (not necessary but appreciated) and molecular biology. The hired Ph.D student will have to perform cRNA preparation and oocyte injection.</p>
<b>Pre-selection process</b>	<p>A pre-selection will be made based on documents provided by applicants (<b>Complete CV, letter of recommendation, the results obtained in the master program</b>).</p>
<b>The university of Orléans</b>	<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. The Ph.D student could live in the downtown of Orléans like many students. He/Her will have access to all laboratory's equipment.</p>
<b>Closing date : 30 may 2021</b> <b>Starting date : 1<sup>st</sup> october 2021</b> <b>Salary : around 1400-1450 €/month</b> (health insurance is paid by the University)	