

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
Department	Department of Biological Sciences
Supervisors	Principal supervisor: Professor Tatsuhiko Kadowaki (XJTLU, BIO) Co-supervisor: Professor Gregory Hurst (UoL, Institute of Infection, Veterinary and Ecological Sciences)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Physiological and functional characterization of Arthropod specific Anoctamin, ArANO
Contact	Please email Tatsuhiko.Kadowaki@xjtlu.edu.cn with a subject line of the PhD project title

Requirements:

The candidate should have a first class or upper second class honours degree, or a master's degree (or equivalent qualification), in Biology related discipline.

Evidence of good spoken and written English is essential. The candidate should have an IELTS score of 6.5 or above, if the first language is not English. This position is open to all qualified candidates irrespective of nationality.

Degree:

The student will be awarded a PhD degree from the University of Liverpool (UK) upon successful completion of the program.

Funding:

The PhD studentship is available for three years subject to satisfactory progress by the student. The award covers tuition fees for three years (currently equivalent to RMB 80,000 per annum) and provides a monthly stipend of 5,000 RMB as a contribution to living expenses. It also provides up to RMB 16,500 to allow participation at international conferences during the period of the award. It is a condition of the award that holders of XJTLU PhD scholarships carry out 300-500 hours of teaching assistance work per year. The scholarship holder is expected to carry out the major part of his or her research at XJTLU in Suzhou, China. However, he or she is eligible for a research study visit to the University of Liverpool of up to three months, if this is required by the project.

Project Description:

Anoctamins (ANOs) have important physiological roles for transepithelial chloride transport, control of electrical signaling in smooth muscles and certain neurons, blood coagulation, and apoptosis in mammal. ANO functions as either a calcium-activated chloride channel or multifunctional protein with both calcium-activated phospholipid scramblase and non-selective ion channel activities. However, the physiological roles and molecular functions of ANOs have been poorly understood in invertebrate. We have recently identified Arthropod specific ANO (ArANO) highly expressed in the sensory organ and will characterize its physiological roles and molecular function in fruit fly and honey bee parasitic mite. We expect studying a novel ArANO will uncover the mechanism of Arthropod's sensory perception and provide an opportunity to develop ArANO-based method to control the Arthropod pests/disease vectors.

For more information about doctoral scholarship and PhD programme at Xi'an Jiaotong-Liverpool University (XJTLU): Please visit

<http://www.xjtlu.edu.cn/en/study-with-us/admissions/entry-requirements>

<http://www.xjtlu.edu.cn/en/admissions/phd/feescholarships.html>

How to Apply:

Interested applicants are advised to email Tatsuhiko.Kadowaki@xjtlu.edu.cn with the following documents for initial review and assessment (please put the project title in the subject line).

- CV
- Two reference letters with company/university letterhead
- Personal statement outlining your interest in the position
- Proof of English language proficiency (an IELTS score of 6.5 or above)
- Verified school transcripts in both Chinese and English (for international students, only the English version is required)
- Verified certificates of education qualifications in both Chinese and English (for international students, only the English version is required)
- PDF copy of Master Degree dissertation (or an equivalent writing sample) and examiners reports available

Informal enquiries may be addressed to Professor Tatsuhiko Kadowaki. (Tatsuhiko.Kadowaki@xjtlu.edu.cn), whose personal profile is linked below,

<https://www.xjtlu.edu.cn/en/departments/academic-departments/biological-sciences/staff/tatsuhiko-kadowaki>