

## PhD studentship (Full-time)

Institution	Xi'an Jiaotong-Liverpool University, China
School	Natural Science
Supervisors	Principal supervisor: Professor Tatsuhiko Kadowaki (XJTLU) Co-supervisor: Professor Gregory D. Hurst (UoL)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Multi-omics study of host perturbations by DWV infection
Contact	Please email: <a href="mailto:Tatsuhiko.Kadowaki@xjtlu.edu.cn">Tatsuhiko.Kadowaki@xjtlu.edu.cn</a> with a subject line of the PhD project title.  The principal supervisor's profile is linked here: <a href="https://www.xjtlu.edu.cn/en/departments/academic-departments/biological-sciences/staff/tatsuhiko-kadowaki">https://www.xjtlu.edu.cn/en/departments/academic-departments/biological-sciences/staff/tatsuhiko-kadowaki</a>

### **Requirements:**

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

### **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). It also provides up to RMB 16,500 to allow participation at international conferences during the period of the award. 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 up to six months, if this is required by the project.

### **Project Description:**

Deformed wing virus (DWV) is the most prevalent virus infecting honey bee across the globe. It has been best characterized among honey bee viruses; however, very little is known regarding the mechanisms of viral infection and replication due to the lack of resources such as immortalized honey bee cells. In this project, we aim to uncover the impact of DWV infection on the host cells at multiple levels (interactome, transcriptome, proteome, ubiquitinome, and phosphoproteome). Analysis of these data will help us to understand molecular mechanisms of the viral infection and replication by identifying the affected cellular pathways as well as their interactions at different levels. Furthermore, this dataset will be used to find existing drugs and design novel treatment methods targeted to either virus or host.

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

<https://www.xjtlu.edu.cn/en/admissions/doctoral/entry-requirement-phd/>

<https://www.xjtlu.edu.cn/en/admissions/doctoral/postgraduate-research-scholarships>

### **How to Apply:**

Interested applicants are advised to email [Tatsuhiko.Kadowaki@xjtlu.edu.cn](mailto:Tatsuhiko.Kadowaki@xjtlu.edu.cn) (XJTLU principal supervisor's email address) the following documents for initial review and assessment (please put the project title in the subject line).

- CV
- Two formal reference letters
- Personal statement outlining your interest in the position
- Certificates of English language qualifications (IELTS or equivalent)
- Full academic 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