

## PhD studentship (Full-time)

Institution	Xi'an Jiaotong-Liverpool University, China
School	School of Science
Supervisors	Principal supervisor: Dr Shuihua Wang (XJTLU) Co-supervisor: Professor Jia Meng (XJTLU) Co-supervisor: Dr Overton Christopher (UoL)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Multi-modal Hybrid Fusion Network for disease prediction
Contact	Please email <a href="mailto:Shuihua.Wang@xjtlu.edu.cn">Shuihua.Wang@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/study/departments/school-of-science/biological-sciences/department-staff/academic-staff/staff/shuihua-wang">https://www.xjtlu.edu.cn/en/study/departments/school-of-science/biological-sciences/department-staff/academic-staff/staff/shuihua-wang</a>

### **Requirements:**

The candidate should have a first class or upper second class honours degree, or a master's degree (or equivalent qualification), in computer science, Mathematica or a 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 99,000 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:**

Clinicians usually use different types of information, like images, clinical records, and various biological data, to make decisions about a patient's health. However, researchers have focused on creating computer models using just one type of information in the past. With the advanced computing power and sensor technologies, there is growing interest in using artificial intelligence (AI) to combine all of these different types of information together, which can help us understand more about a patient's condition and get a more complete picture of what's going on, and therefore make better decisions with higher accuracy, sensitivity, etc. However, it's still a difficult problem to figure out how to combine all of those information together in the best way in terms of computation cost and efficiency. This project will revolve around the challenge of fusing information from different resources to get a better understanding of the data and pave the way for AI for practical applications.

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/global/entry-requirements/>

<https://www.xjtlu.edu.cn/en/admissions/global/fees-and-scholarship>

**How to Apply:**

Interested applicants are advised to email [Shuihua.Wang@xjtlu.edu.cn](mailto:Shuihua.Wang@xjtlu.edu.cn) 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