

PhD studentship (Full-time)



Institution	Xi'an Jiaotong-Liverpool University, China
School	Academy of Pharmacy
Supervisors	Principal supervisor: Professor/Dr Chengxiu Ling (XJTLU) Co-supervisor: Professor/Dr Ying Chen (XJTLU) Co-supervisor: Professor/Dr Corina Constantinescu-Loeffen (UoL)
Application Deadline	Open until the position is filled
Funding Availability	Funded PhD project (world-wide students)
Project Title	Extreme Risk of Public Health due to Contagious Diseases and Extreme Weather Events
Contact	Please email Chengxiu.Ling@xjtlu.edu.cn (XJTLU principal supervisor's email address) 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 math, statistics, data science, public health, biostatistics, applied statistics or actuarial science, financial math. 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 six months, if this is required by the project.

Project Description:

The changing climate increases the frequency and intensity of extreme events, which may cause huge disasters and damaging impacts on human health and ecosystem. The COVID-19 pandemic and frequent extreme weather events, including floods, extreme heat waves and severe typhoons, are seriously threatening the national/regional health care system due to its contemporaneous clusters across a span of time and various locations. This project aims to discover the extreme dependence and risk contagion schemes of contagious diseases and extreme weather events using statistical cluster techniques, extreme value theory and grey relation analysis. The findings are expected to establish early risk warning systems and post-disaster management systems, including the design of risk transfer, risk mitigations by pricing insurance product and catastrophic bond, and dynamic catastrophic risk maps providing policy- and decision-makers with a greater situational awareness regarding their potential risk.

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.....@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 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 Dr. Chengxiu Ling (Chengxiu.Ling@xjtlu.edu.cn), whose personal profile is linked below,

<https://www.xjtlu.edu.cn/index.php?cultureKey=en&q=staff&alias=chengxiu-ling>