



澳門大學
UNIVERSIDADE DE MACAU
UNIVERSITY OF MACAU

Job Ref No: 2025002

Position: Postdoctoral Fellow in Infectious Disease Modeling

Principal Investigator: [Prof. Jinghua Li](#)

Closing Date: Until filled

The laboratory of Professor Jinghua Li seeks postdoctoral fellows to advance infectious disease modeling and its applications. Key responsibilities include: (1) developing and adapting modeling frameworks for major and emerging infectious diseases in the Greater Bay Area; (2) applying models to evaluate prevention strategies (e.g., screening, treatment); and (3) leading data collection and rigorous analysis of field data. The fellow will also support lab operations and provide technical guidance to graduate students.

Applicants must hold a PhD in Public Health or a related field, with a strong publication record in international peer-reviewed journals on infectious diseases, cost-effectiveness analysis, behavioural health, or public mental health. Candidates should demonstrate a positive work attitude, strong organizational skills, and the ability to work both independently and collaboratively.

Preferred expertise (one or more):

- i. Dynamic compartmental models;
- ii. Agent-based models;
- iii. Longitudinal data analysis;
- iv. Machine learning;
- v. Experience with major infectious diseases.

Post-doctoral Fellow in infectious disease modeling

Contract Period

One year and renewable subject to mutual agreement and availability of funding.

Remuneration

Remuneration is highly competitive and commensurate with the successful applicants' academic qualification, current position and professional experience.

Application Procedures

Applicants should send an up-to-date C.V. and other relevant documents to Prof. Jinghua Li (email: lijinghua@um.edu.mo). In the subject of the email, please clearly identify the following: "Job ref. no. + Name + Position". Applicants may consider their applications not successful if they were not invited for an interview within 3 months of application.

****Personal data provided by applicants will be kept confidential and used for recruitment purpose only****