



Dr. Sean Hsiang-yu Yuan (Assistant Professor; URL: <http://www.yuanmodellinggroup.com/>)

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City University of Hong Kong, 31 To Yuen Street, Hong Kong

Postdoc/Research Assistant in the Department of Biomedical Sciences (Appointment for 12 months)

Project

Evaluation tools for analysis of the effectiveness of social distance policies and international border control for the spread of the COVID-19 pandemic

The appointee will perform applied and methodological work to develop epidemiological and/or machine learning frameworks for optimizing the control strategies of COVID-19 and other infectious diseases including influenza. He/She will join the collaborated project between the City University of Hong Kong and the Hong Kong Polytechnic University. The postdoc will collect data and improve the estimations of epidemiological model parameters with the aim to achieve a better and real-time assessment of the disease dynamics and the impact of the interventions for further prediction and forecasting. He/She will also write papers and proposals.

Requirements

For the **Postdoc** position, applicants should possess a doctoral degree in biostatistics, bioinformatics, public health, epidemiology, infectious disease ecology, statistics, data science, mathematics, computer sciences, or a related quantitative and computational discipline.

For the **Research Assistant** position, applicants should possess a bachelor's or master's degree in biostatistics, bioinformatics, public health, epidemiology, infectious disease ecology, statistics, data science, mathematics, computer sciences, or a related quantitative and computational discipline.

They must be proficient in data analysis using statistical or mathematical software, such as R, MATLAB or python. They should have an excellent command of written and spoken English, and a demonstrated record of publishing academic research papers. They should be organized, self-motivated, and able to work independently as well as in a multidisciplinary team. Experience in infectious disease modelling and analysis will be an advantage.

Salary and Conditions of Service

A highly competitive salary commensurate with qualifications and experience will be offered, in addition to annual leave and medical benefits.

For postdoc, \$32,000 - 38,000 HKD per month based on experience.

Information and Application

To apply, please submit a CV along with a list of publications to Dr. YUAN Hsiang-Yu Sean (sean.yuan@cityu.edu.hk). The closing date is **31 July 2022**. Applications will receive full consideration and only shortlisted applicants will be contacted. The University's privacy policy is available on the homepage at <http://www.cityu.edu.hk>.