



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

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

Project

Predicting and preventing re-emergence of COVID-19

The appointee will participate in applied research to investigate the interplay between virus evolution, such as immune escape or case fatality rate, and public health interventions (e.g. vaccination and isolation). The postdoc will collect data and use agent-based modelling approach with other computational modelling methods to simulate the impact of the interventions on the virus evolution. He/She will also have opportunities to write papers and research proposals. The project is mainly funded by Hong Kong Institute for Advanced Study. The project can be extended.

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.

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, \$35,000 - 40,200 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 **15 September 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>.