



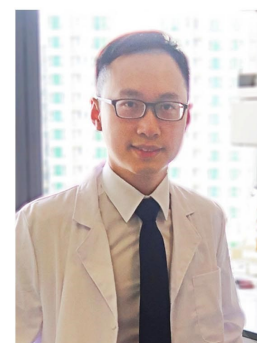
iTERM Lunchtime Seminar Series **Institute for Tissue Engineering and Regenerative Medicine**

TITLE

“The Quest for Drug Discovery: From Chemistry to Biology”

Billy Wai-Lung Ng, Ph.D., Assistant Professor, School of Pharmacy, CUHK

Prof. Wai-Lung Ng joined the Chinese University of Hong Kong (CUHK) in 2019, with research interests in chemical biology, drug discovery, and medicinal chemistry. Prof. Ng obtained his B.Sc. degree in Chemistry (1st Class Hons.) and Ph.D. in Organic Chemistry from CUHK. During his graduate study, he was a Fulbright Scholar at Massachusetts Institute of Technology (MIT), under the generous funding supports from the Lee Hysan Foundation and the Fulbright Program. From 2014 – 2016, he joined the University of Oxford as a Croucher Foundation Postdoctoral Fellow. He was then recruited to Harvard Medical School / Dana-Farber Cancer Institute as a research fellow from 2016 – 2019. For more details, please refer to Ng Lab's homepage: <https://www.ngwailung.com/>



ABSTRACT

This seminar will illustrate the central roles of modern synthetic chemistry and molecular biology for the discovery of new therapeutic molecules. The first part of this seminar will report the design, synthesis, and structure- activity relationship (SAR) studies of carbasugar SGLT2 inhibitors, which are potential antidiabetic therapeutics. The second part of this seminar will report the development of a CRISPR/Cas9 screening strategy for identifying new drug targets for lung cancer. This screening strategy has already enabled the discovery of a novel therapeutic target for an aggressive subtype of non-small cell lung cancer (NSCLC).

DATE

29 Nov 2019 (Friday)

TIME

12:30pm - 2pm (please arrive 15 minutes before the scheduled time, light lunch shall be provided)

VENUE

G02, Lo Kwee-Seong Integrated Biomedical Sciences Building, Area 39, CUHK

Online Registration: <https://cloud.itsc.cuhk.edu.hk/mycuform/view.php?id=388489>



~ All are Welcome ~