



香港城市大學
City University of Hong Kong
專業 創新 胸懷全球
Professional-Creative
For The World

Department of Biomedical Sciences
presents a seminar

“Gut microbiome, intervention and host physiology”

Dr. Jun Li
Hans Knöll Institute (Germany)

Date : 13 June 2017

Time: 11:00am to 12:00pm

Venue: Meeting Room 1B-G04, G/F, Block 1, To Yuen Building

Abstract

Recent advances in next generation sequencing (NGS) technologies have opened a range of new opportunities to study the genetic basis of unresolved biological phenomena and biologically relevant phenotypes in gut microbes. The gut microbiota is known to affect physiology, development, immunity, and metabolism of the host. External forces, including antibiotic treatment or dietary intake, shape the composition of the gut microbiota with the potential for rapid changes, thereby affecting the microbe-host homeostasis.

In this talk, I will describe some of my projects studying 1) the association between the host physiology or disease status (e.g. obese or liver tumor) and the dietary intervention (e.g. probiotics); and 2) how therapeutic intervention (antibiotics) has reshaped the gut microbiota in an unexpected way. The implied potential microbiome-based therapeutic strategies will also be discussed.

About the Speaker

Dr. Jun Li is a senior postdoc researcher in the Systems Biology and Bioinformatics unit of Hans Knöll Institute (Germany) concentrating on the microbiome and systems biology based on NGS technology recently. He has a bachelor degree in physics and Ph.D degree in computational biology, working in the fields of algorithm developing, systems biology, comparative - omics for over 10 years. His recent work highlights the crosstalk between gut microbiota and host physiology/health status.

Enquiry:

Miss Janice Leung, Tel.: 3442-4902, Email: Janice.leung@cityu.edu.hk

All are welcome!