



THE CHINESE UNIVERSITY OF HONG KONG
SCHOOL OF LIFE SCIENCES

LIFE SCIENCES SEMINAR SERIES **2012 - 2013**

Life Sciences Seminar is a seminar series aiming to provide up-to-date research ideas and experimental approaches to graduate students in the School

New Technologies for Engineering Proteins and Micromolecular Assemblies

by

Professor Michael K. Chan
Director
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The Chinese University of Hong Kong

on

5 March 2013 (Tuesday)

at

12:30 – 1:15 pm

at

LT2, Mong Man Wai Building
The Chinese University of Hong Kong

Chemical and biological tools to engineer proteins and biological assemblies are becoming ever more powerful, providing new avenues of research at the cutting edge. Two unique technologies have originated from my laboratory: the pyrrolysine technology and the Cry protein delivery platform. The first part of the talk will describe the discovery of pyrrolysine, the 22nd genetically-encoded amino acid, and how it is being used to engineer new protein constructs for various biological applications. In the second part of the talk, I will present a novel approach to generate biological microparticles in bacteria, and illustrate its use as a tool for protein delivery into mammalian cells and animals.

ALL ARE WELCOME