

Department of Biomedical Sciences
presents a seminar series in Cancer Biology,
Biotherapy and Nanomedicine



“Bioanalysis in Nanoliter Droplets”

Prof Bo Zheng
Department of Chemistry
The Chinese University of Hong Kong

Date : 10 March 2017

Time: 5:00 pm to 6:30 pm

**Venue: Meeting Room 2-130, 1/F, Block 2, To Yuen Building,
City University of Hong Kong**

Abstract

Nanoliter droplets are interesting two-phase systems and have broad applications in chemistry and in biotechnology. In this talk I will first briefly discuss the generation and manipulation of nanoliter droplets in microchannels. In the second part of the talk I will present a few applications of the droplets including high-throughput screening, rapid kinetics measurement, and construction of artificial cells.

About the speaker

The research interests of Prof Zheng's team are primarily in bioanalytical chemistry using microfluidics. Currently their research focuses on: (1) structural and functional analysis of biological molecules; (2) preparation and kinetic studies of soft materials, such as polymers, gels and biomacromolecules. We are developing new techniques utilizing microreactors and microchannels to achieve their goals..

After his BS graduation of Peking University in 1997, he obtained a Ph.D in 2002 at Duke University. He has been an assistant professor in the Chinese University of Hong Kong since 2005.

Enquiry:

Dr. Xi Yao (3442-4829, xi.yao@cityu.edu.hk)

Miss Janice Leung (3442-4902, Janice.leung@cityu.edu.hk)

All are welcome!