

THE UNIVERSITY



OF HONG KONG

**DEPARTMENT OF MECHANICAL ENGINEERING
AND
MEDICAL ENGINEERING PROGRAMME**

SEMINAR

Title: Multi-Modality Molecular Imaging for Biomedical Research and Applications

Speaker: Professor Qiushi Ren
Department Chair, Department of Biomedical Engineering
College of Engineering
Fellow of SPIE and AIMBE
COE Endowed Chair Professor
Chang-Jiang Distinguished Professor
Peking University
Beijing, China

Date: April 27, 2015 (Monday)

Time: 9:00 a.m.

Venue: CPD-2.37, Centennial Campus, HKU

Development of new imaging technology that is capable of non-invasive, *in-vivo*, *in situ*, real-time observation of biological process developments such as cancer at the molecular level on an animal model plays a critical role in the translational research activities in today's medicine. Recently, our group has been devoted a great deal of research efforts in the development of an integrated quad-modality molecular imaging technologies that combines CT, PET, SPECT, and Fluorescence Molecular Tomography (FMT) into one imaging platform. By using different molecular imaging probes, this integrated four modality imaging technology allows researchers to effectively obtain many critical physiological information *in vivo* from the same site through out different diseased stages on the same animal. In this presentation, the research activities of molecular imaging at PKU will be reviewed, together with recent technology advances in China of a 64-sliced PET/CT technological development and its clinical applications in diagnosis of different human pathological diseases and new drug studies.

ALL INTERESTED ARE WELCOME.

For further information, please contact Prof. Min Wang at 2859 7903.