



The Chinese University of Hong Kong  
Cell and Molecular Biology Programme

Co-organizer:  球興儀器行有限公司  
KOU HING HONG SCIENTIFIC SUPPLIES LTD.

## Technology Seminar

# Novel Approach to Overcome Difficulty of Cell Growth, Analysis and Tissue Engineering

*Presented by:*

Ms. Hyunju Lee

Commercial Product Manager

Thermo Fisher Scientific

Date: 17 September 2009 (Thu)

Time: 4:30pm

Venue: Rm 297, Science Centre South Block,  
The Chinese University of Hong Kong  
Shatin NT

### Abstract

Advanced and innovative cell culture tools can help you achieve excellence at every stage of your cell culture process. Proper surface of culture ware is essential to ensure optimal cell growth. This seminar will introduce the most suitable cell culture surface for cell attachment and novel temperature responsive surface, 'UpCell'. UpCell can completely abolish the use of cell damaging proteolytic enzymes such as trypsin. Moreover, when cells are cultured beyond over-confluency, the cells can be collected in a form of thin-film, so-called "cell-sheet", which also allows creation of 3D tissue constructs when stacked. Secondly, we will also introduce a cell culture flask which has fully closed system but allows O<sub>2</sub> and CO<sub>2</sub> to diffuse efficiently through a thin film, which minimizes the contamination when we need to transport the cells.

**ALL ARE WELCOME**