

## WORKSHOP ON FLOW CYTOMETRY

HKMLT Board-accredited Programme Code: 07070071

The Institute will organize a workshop on flow cytometry as a means of continuous professional education for members. The workshop is HKMLT Board-accredited and 10 CPD points will be granted upon completion. Apart from introducing the basic principles of cytometry, the workshop will focus on the hands-on experience of flow softwares, analysis of scatterplots derived from immunophenotyping of blood malignancies and disorders, haematopoietic stem cell enumeration, DNA profiling, cell proliferation study, cytokine exploration etc, and not to mention the comprehension of the latest analytical cytometry softwares available both commercially and freely accessible from the web. To enhance dynamic interactions, a small group of no more than 12 participants will be enrolled on a first come first served basis. Participants are encouraged to bring along their own laptops for practice and software download. Please send in your enrolment specifying your years of HKIMLS membership to [info@hkimls.org](mailto:info@hkimls.org).

Details of the workshop are:

Date: 2:30 pm – 5:00 pm, Saturday afternoons, April 14<sup>th</sup> – May 5<sup>th</sup> 2007.

Duration: Ten (10) hours

Venue: Registered office of Hong Kong Institute of Medical Laboratory Sciences  
Room 1711, 17<sup>th</sup> Floor, Block C, Bell House, 525-543 Nathan Road, Yaumatei, Kowloon

Programme:

- Overview of cytometry, fluidics, generation of light scatter and fluorescence
- Optical system including path, filters, signal detection and threshold, lasers and alignment
- Data acquisition including collection and display, gating, subsetting and other applications
- Immunophenotyping and hands-on practice of softwares in analysing scatterplots derived from blood malignancies/disorders
- Detection of minimal residual disease and hands-on software analysis
- Enumeration/analysis of haematopoietic stem cells derived bone marrow, umbilical cord blood and PBSC collection
- Advanced application and hands-on analysis: cell cycle, cell proliferation, cytokine bead arrays etc
- Fluorescent activated cell sorting
- Introduction and practice of commercially available and free cytometry softwares: FlowJo, WinMDI etc
- Maintenance, calibration, quality control and experience sharing of flow cytometers

Speakers: Dr Helen Ka-Wai Law, PhD, Department of Paediatrics and Adolescent Medicine, The University of Hong Kong  
Dr Kent Kam-Sze Tsang, PhD, Department of Anatomical and Cellular Pathology, Prince of Wales Hospital  
Ms Yonna Leung, MSc, Department of Anatomical and Cellular Pathology, Prince of Wales Hospital  
Ms Maggie Chan, MSc, Beckman Coulter Hong Kong Ltd.

Fee: HK\$1,000