

Imaging Flow Cytometer

The technological issues on apoptosis research and its applications on cell signaling and cell-cell interaction

by

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on

19th Oct, 2010 (Tuesday) at 4:00 – 5:00 p.m.

in

Seminar Room 1, G/F

Laboratory Block

Faculty of Medicine Building, 21 Sassoon Road, Pokfulam

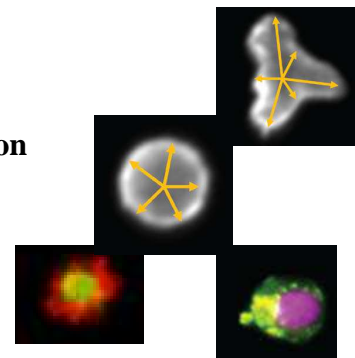
All are welcome

The ImageStream® is a multispectral imaging flow cytometer that generates high resolution images of cells at high rates of capture. Using the IDEAS image analysis software, the system objectively quantifies hundreds of features based not only on fluorescence intensity but also related to morphology and probe location and co-location. Using this novel approach the ImageStream^x seamlessly combines the quantitative power of flow cytometry with the high content information associated with microscopy, especially for rare events.

The seminar will include a brief description of the technology along with a primary focus on data from several example applications, including:



Apoptosis
Cell Signaling / Nuclear Translocation
Internalization / Co-localization
Shape Change and Chemotaxis
T cell/APC Interaction



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