Advancing the Science of Flow Cytometry: Astrios EQ and CytoFLEX
A new frontier in particle detection

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27th March 2015 (Friday)
10:30-11:30 a.m.
LG1/F, Seminar Room 5, Laboratory Block, Faculty of Medicine Building

All are Welcome!

The MoFloTM Astrios EQ family of cytometers from Beckman Coulter are high-speed cell sorters capable of 6-way sorting up to 70,000 events per second with 99% purity, providing fluidic and electronic stability. Improvements to this high-end instrument have allowed scientists to identify particles as small as 200 nm using both single and dual threshold Forward Scatter (FSC) triggering and even lower resolutions in Side Scatter (SSC) signifying sub-100 nanometer detection is easily achieved. Taken together, these improvements in Scatter detection have enabled medical scientists to more fully characterize diverse biology’s, including: stem cells, murine mitochondria, photosynthetic plankton and finally, extracellular vesicle (EV) detection.

In addition, an introduction to and review of Beckman Coulter’s latest ultra-flexible high performance analyzer, the Cytoflex system which provides unmatched powerful sensitivity and resolution, will also be discussed.