

# THE PRACTICALITIES OF FLOW CYTOMETRY

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NEWCASTLE-UPON-TYNE, UK

The Grainger Suite, Life Conference and Banqueting, International Centre for Life,  
Times Square, Newcastle-Upon-Tyne, NE1 4EP, UK



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## INTRODUCTION TO FLOW CYTOMETRY

Instrumentation layout, fluidics, filters and photodetectors  
(Mark Dyson: Becton Dickinson and Mark Cheetham: Beckman Coulter)



## CYTOMETER SETUP AND ACQUISITION

Choosing fluorochromes, sample preparation, antibody titration, quality control, experiment setup, isotypic controls, multicolour flow cytometry and compensation  
(Ian Dimmick: NESCI, Rebecca Stewart: NESCI, Mark Dyson: Becton Dickinson and Mark Cheetham: Beckman Coulter)



## CELL SORTING

Basics and principles of cell sorting  
(John Lawry: Becton Dickinson)



## DATA ANALYSIS

Construction and differences of listmode files, data display and manipulation  
(TBA)



## TECHNIQUES AND APPLICATIONS

Apoptosis (Derek Davies: CRUK), telomere length and flow cytometry (Ioakim Spyridopoulos: Cardiology), cell sorting and graft vs host disease (Muzz Haniffa: Academic Haematology), cell cycle analysis, proliferation (TBA)

Conference fee (payable to "Newcastle University"):  
£25 per delegate (lunch and refreshments will be provided)

**Sponsorship provided by:**  
Becton Dickinson, Beckman Coulter, Applied Cytometry, Invitrogen,  
R and D Systems, Cronus Technologies

Sessions are suitable for all levels and will begin with basics and then expand into the more complex aspects and practicalities of flow cytometry  
**Any companies wishing to provide sponsorship, please contact us if you have not already done so (ian.dimmick@ncl.ac.uk; rebecca.stewart@ncl.ac.uk)**