

THE PRACTICALITIES OF FLOW CYTOMETRY

23rd FEBRUARY 2010

NEWCASTLE-UPON-TYNE, UK

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

ORGANISED BY IAN DIMMICK AND REBECCA STEWART

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8-00-9-30 Registration & Coffee

9-30 Introduction to the meeting

9:40 Cytokine assays , intracellular, secreted and soluble methodologies

Dr J Campbell (Head Clinical Science and Technology Group, Miltenyi-Biotec)

Mr I Dimmick (Newcastle University): Comparison of secreted, intracellular, and soluble cytokine assays .

10:20 Cell cycle rediscovered

Dr R Edward (Sales and Marketing Director, Biostat)

Prof P J Smith (Cardiff School of Medicine , ISAC President Elect): Pharmacodynamics, pharmacokinetics, and tracking dyes

11:00 Applied flow cytometry in plant genome size studies

Dr V Ost (Senior Scientist, Science and Application, Partec) Multicolour Instruments

Dr I Leitch Plant Genetics Scientist Royal Botanic Gardens, Kew

11-30 Coffee

12:00 Exercise immunology investigations using flow cytometry

Ms G Scoble (Becton Dickinson): Multiplexing and instrument setup

Mr P Bradley (Exercise Physiology Lecturer, Sunderland University): Monitoring the effects of exercise using 6 colour immunophenotyping, oxidative burst and apoptosis measurement

12:40 The use of the Accuri C6 in calcium flux assays

Ms Kate Easten (Accuri): A novel approach to flow cytometry

Dr Alfonso Blanco Fernánde (Conway Institute of Biomolecular and Biomedical Research, Dublin): Use of the Accuri flow cytometer for calcium flux measurements

1-30 Lunch

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2:30 The Advalytix system : Sorting for PCR

Dr I Gatherer (VHBio): The Ampligrd system for single cell PCR

Dr R Stewart (Flow Cytometry Specialist, Newcastle University): Sorting set up for optimal use of Advalytix PCR system

3:10 Multiparameter flow cytometry in the evaluation of T-cell subsets

Mr M Cheetham (Beckman Coulter): Instrument configurations used for multiparametric flow cytometry

Dr J Hoffmann Cardiac research I.H.G. Newcastle University: 11 colour immunophenotyping in a clinical cardiology study

3-50 Coffee

4:20 Flow cytometry data analysis – a new approach

Dr Trevor Ray, Caltag Medsystems Ltd 'Infinicyt flow cytometry Data Analysis'

Dr Karel Fiser N.I.C.R. Newcastle University Hierarchical clustering of flow cytometry data – defeating multidimensionality.

5:00 Low strength of T-cell activation promotes Th17 differentiation

Dr A Stewart (Business Development Manager, eBioscience)

Ms Harriet Purvis (Musculoskeletal Research Group, Newcastle University)

***“Newcastle FCM workshop pub evening
presented by Partec”***

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

Sponsorship provided by:

Becton Dickinson, Applied Cytometry, Partec, Millipore, Cronus Technologies, Caltag,
VHBio, Beckman Coulter, R&D Systems, Biostatus, Miltenyi Biotec, Accuri, Spherotech,
Enzo Life Sciences, Cambridge Bioscience, eBioscience, Inverness Medical

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