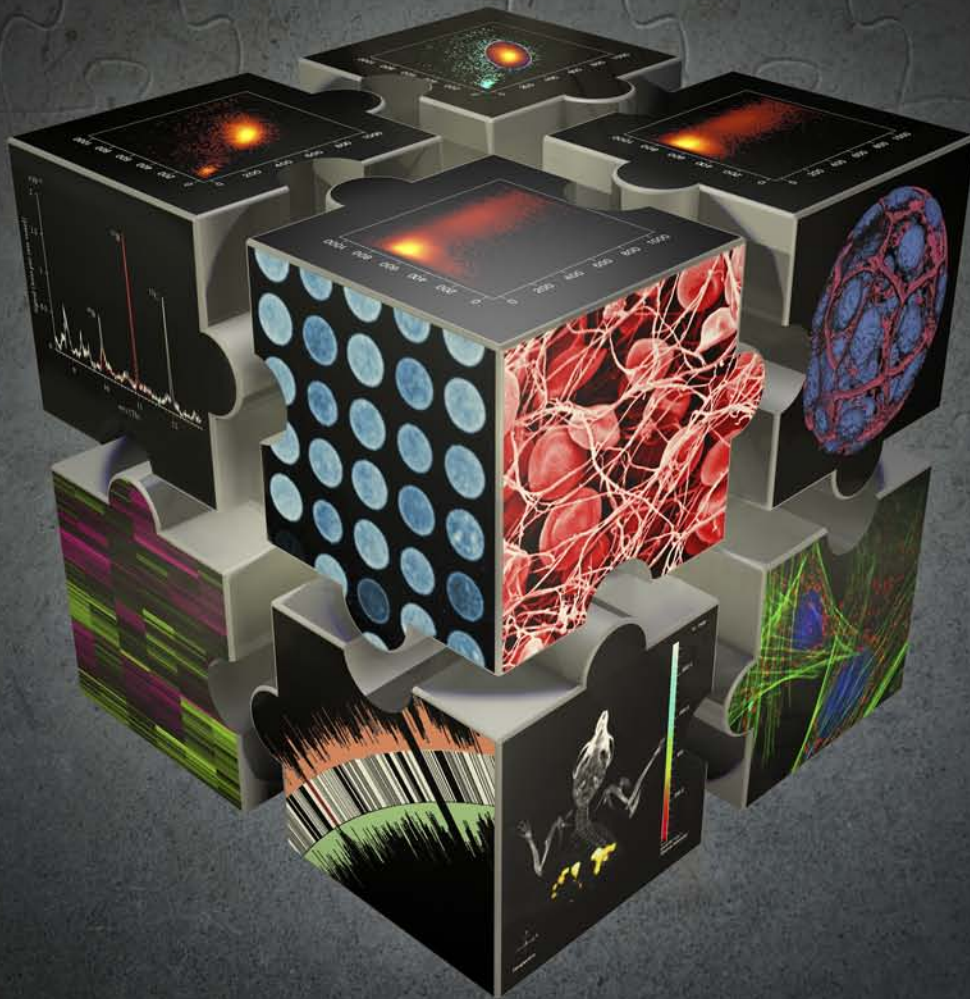


Practicalities of...

cellular analysis | 'omics | informatics



3rd & 4th
March
2014

Solving the cellular puzzle

Monday
3rd March **2014**

Practicalities of... **cellular analysis**

9:50 - 10:00
Welcome & Introduction

10:00 - 10:55
Keynote

2 in 1: Novel quantitative, label-free to super-resolution and correlative imaging.

Dr Peter O'Toole
University of York

11:00 - 11:30
Parallel Sessions

Flow Cytometry

Instrument standardisation in a Flow Cytometry Core Facility – Proposals for a National QC.

Ian Dimmick
Newcastle University

Bio-Imaging

Imaging Camera Technologies.

Chris Wood
Photometrics

11:35 - 12:05
Parallel Sessions

Flow Cytometry

Is it me, or is it my flow cytometer? Basic flow cytometry trouble shooting.

Andrew Fuller
Newcastle University

Bio-Imaging

The Use of Atomic Force Microscopy to Analyse Living Cells.

Dr Matt German
Newcastle University

12:05 - 13:15
Lunch & Trade Exhibition

13:15 - 14:10
Keynote

In vivo imaging of pre-clinical models for basic and translational research: from whole body to sub-cellular scale.

Dr Francois Lassailly
London Research Institute

14:15 - 14:45
Parallel Sessions

Flow Cytometry

Flow cytometry and fluorescence activated cell sorting of tissue leukocytes.

Dr Muzlifah Haniffa
Newcastle University

Bio-Imaging

Correlative light and electron microscopy to visualise a genetically encoded tag.

Rawaa Zahid-Bakr
Newcastle University

14:50 - 15:20
Parallel Sessions

Flow Cytometry

Flow cytometric analysis of blood dendritic cells: a novel diagnostic tool.

Dr Venetia Bigley
Newcastle University

Bio-Imaging

Small animal in vivo imaging at Newcastle.

Saimir Luli
Newcastle University

15.20 – 15.50
Coffee & Trade Exhibition

15.50 – 16.45
Keynote

Using all the tools in the box (FACS, TEM, N-SIM) to investigate mitochondrial inheritance in humans.

Dr Vasileios Floros
Newcastle University

16.45 – 17.00
Closing Remarks

Tuesday
4th March **2014**

Practicalities of...
cellular 'omics & informatics

9:50 - 10:00
Welcome & Introduction

10:00 - 10:50
**Genomics/Bioinformatics
Keynote**

In-silico chemical biology for
cancer drug discovery.

Dr Bissan Al-Lazikani
The Institute of Cancer Research

10:50 - 11:15
Genomics/Bioinformatics

Effective analysis of
RNA-Seq data

Dr Daniel Swan
Oxford Gene Technology

11:15 - 11:40
Genomics/Bioinformatics

Accessible Resource for
Integrated Epigenomic
Studies (ARIES)

Professor Caroline Relton
Newcastle University

11:40 - 12:05
Genomics/Bioinformatics

Exome sequencing identified
mutations in the Collagen XII
gene to define a new form
of ECM-related myopathy.

Dr Debbie Hicks
Newcastle University

12:05 - 13:00
Lunch & Trade Exhibition

13:00 - 13:50
**Proteomics
Keynote**

Proteomics in pharmacological
and nanopharmacological
drug development.

Professor Marek Radomski
Trinity College Dublin

13:50 - 14:15
Proteomics

Using mitochondrial
proteomics in
ageing research.

Professor Thomas von Zglinicki
Newcastle University

14:15 - 14:40
Proteomics

Proteomics for a novice.

Professor Michael Taggart
Newcastle University

14:40 - 15:00
Coffee & Trade Exhibition

15:00 - 15:50
**High Throughput Screening
Keynote**

Genome-wide screens
with fission yeast.

Professor Jurg Bahler
University College London

15:50 - 16:15
High Throughput Screening

High throughput drug
discovery - From Bug
to Bench.

Dr Oliver Russell
Newcastle University

16:15 - 16:40
High Throughput Screening

Applying siRNA screening to
transcriptional signalling.

Dr Alexandros Sfikas
Newcastle University

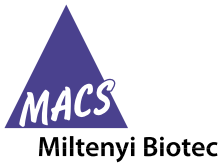
16:40 - 16:50
Closing Remarks

Practicalities of...

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Cellular Analysis



Cellular 'Omics & Informatics

