

Conference Chairman: Anthony Mitchell-Davis

DAY 1

8.30: Registration

9.00 – 9.15: Welcome Address (Trinity College, Dublin)

9.15 – 9.40: Eleni Mumtsidu (Perkin Elmer)

9.40 – 10.05: Scientific Presentation (BD Biosciences)

10.05 – 10.30: Mark Collins (Thermo Scientific)

10.30 – 10.55: Mike Janes (Invitrogen)

10.55 – 11.25: Refreshment Break

DAY 1 TRACK 1

CELL BASED IMAGING AND ANALYSIS

11.25 – 11.50: Keynote Lecture (**Trinity College, Dublin**)

11.50 – 12.20: **Ed Ainscow (Astra Zeneca)**
Auto ex vivo imaging; "automated pathology"

12.20 – 12.50: **Daniel Zicha (Cancer Research UK)**
Quantitative light microscopy of sarcoma cells in tissue culture allows identification of a metastasis suppressor, protein 4.1B

12.50 – 14.00: Lunch

14.00 – 14.30: **Justin Molloy (MRC)**
TIRF Imaging of single molecules inside living cells

14.30 – 15.00: **Oscar Joe Trask (Duke University)**
Drug-like compounds using high content imaging approaches that rescue primary neurons in culture or ex-plant brain slice tissue infected with genes that cause neurodegeneration diseases such as Alzheimers and Huntingtons

15.00 – 15.30: **Fred Wouters (Goettingen University)**
Imaging protein quality control mechanisms in cellular models of neurodegeneration by FRET/FLIM

15.30 – 16.00: Refreshment Break

16.00 – 16.30: **Rachael Errington (Cardiff University)**
Standardisation in live cell imaging

16.30 – 17.00: **Paul Andrews (University of Dundee)**
Advances in imaging and manipulating stem cells

17.00 – 17.30: **Yvonne Ibig-Rehn (Novartis)**

DAY 1 TRACK 2

HIGH CONTENT SCREENING SETUP AND STRATEGIES

11.25 – 11.50: Keynote Lecture (**Trinity College, Dublin**)

11.50 – 12.20: **Jeremy Simpson (UCD)**
RNAi and high content screening of cellular pathways

12.20 – 12.50: **Peter Simpson (Astra Zeneca)**
Assay development themes and strategies in large scale high content compound screens

12.50 – 14.00: Lunch

14.00 – 14.30: **David Egan (University Medical Centre, Utrecht)**
Setting up labs for RNAi screens; sample storage, library and automation set-ups

14.30 – 15.00: **Kerstin Korn (MPI – CBG)**
Image based approaches for RNAi screens

15.00 – 15.30: **Michael Boutros (DKFZ)**
Strategies for analysing multi-parametric data sets in HCS screens

15.30 – 16.00: Refreshment Break

16.00 – 16.30: **Roderick Beijersbergen (NKI)**
Planning secondary screens for validation

16.30 – 17.00: **Peter Ghazal (Edinburgh University)**
The need for standardisation in biological screens

17.00 – 17.30: **Peter O'Brien (UCD)**
Application of HCA in drug discovery toxicology assessing potential for human toxicity of candidate drugs

17.30 – 19.00: Drinks Reception

DAY 2

DEMOS, TUTORIALS AND BREAKOUTS

- Standardisation in High Content Screening
- Best Laboratory Practises in Imaging
- Label Free
- Reagents for Imaging and Screening
- RNAi Workshop (Global and Trinity)
- Data Visualisation Demo GE
- HCS Hardware Demo X4
- HCS Software Demo X4
- Plastics for Screening
- Automation Integration Demo
- Reagent demos and tutorials.
- Standardization work group.
- Hands on demos of all major and Latest HCS platforms and imaging systems.
- Image analysis demos and tutorials.
- Deta analysis workshops.
- SiRNA work groups.
- Lab automation and integration demos.

Executive Officer (IMM) Amy Fitzgerald