

## DAY 1

**8.30: Registration**

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

**9.15 – 9.40: Achim Kirsch (Perkin Elmer)**

**9.40 – 10.05: Scientific Presentation (BD Biosciences)**

**10.05 – 10.30: Mark Collins (Thermo Scientific)**

**10.30 – 10.55: Scientific Presentation (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 – 17.30:** Paul Andrews (*University of Dundee*)  
Advances in imaging and manipulating stem cells

**17.30 – 18.00:** Yvonne Ibig-Rehn (*Novartis*)

## DAY 1 TRACK 2

### HIGH CONTENT SCREENING SETUPS 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 – 18.00:** Peter O'Toole (*University of York*)

**18.00 – 19.30:** 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.