



Drug Discovery 2017

ACC, LIVERPOOL
3rd - 4th October 2017

Workshop: Cutting-edge cellular analysis techniques: case studies in drug discovery

Tuesday 3rd October 2017: 09:30 - 11:00 - ROOM 11A

ABSTRACT

Cellular analysis and cell-based assays are central to scientific discovery and the hunt for new biomedicines. Increasingly, more complex and advanced cell models are employed, including co-culture systems, iPSC-derived and patient specific tissue organoids. This raises the bar for assay development and functional profiling methods that are able to extract the deeper content provided by these models, without compromising efficiency and productivity.

In this workshop, we will discuss the latest developments in two ground breaking cellular analysis solutions: IncuCyte® live-cell analysis and iQue® Screener PLUS high throughput suspension cell analysis platform. Through industrial and academic end-user case study presentations, new applications of these technologies in drug discovery projects will be reviewed. These include immune-cell killing assays in 2D & 3D, antibody internalization measurements, clonal dilution workflows and tumour-spheroid analyses. Interactive discussions will be encouraged to explore how these platforms are best aligned with drug discovery project requirements and how they can be further developed to address unmet need.

The workshop is targeted toward researchers with general interest in translational cell models, cell-based assays, cancer biology and immunology, including current and prospective users.

WORKSHOP AGENDA		
09:30 – 09:35	Peter Djali (Intellicyt)	Welcome and Introductions
09:35 – 09:55	Bryan Miller (Sygnature Discovery)	Use of Live-Cell Imaging Assays for Immuno-oncology in Integrated Drug Discovery Programmes
09:55 – 10:15	Rachel Forfar (LifeArc)	Developing an Assay Platform for Screening and Characterisation of Antibody Drug Conjugates
10:15 – 10:35	Rosemary Burke (The Institute of Cancer Research)	Use of IncuCyte® Live-Cell Analysis in Cancer Drug Discovery Programs
10:35 – 11:00	Del Trezise (Essen BioScience)	What's new with IncuCyte® and iQue Screener®?: Focus on Immunology & 3D spheroids
11:00	End of Workshop	



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