

Drug Discovery 2016

ACC, LIVERPOOL

13th - 14th October 2016



#ELRIGDD16

Innovations in Predictive & Translational Models

THURSDAY 13TH OCTOBER: HALL 1C

The high rate of failure of drug discovery due to lack of efficacy or undesirable safety, demands the development of improved screening assays and translational models. In both instances, increasing the 'predictive power' of these approaches may lead to more effective delivery of medicines to patients. This session will focus on innovative approaches to increase the biological value of plate based screens and translational models aiming to drive the success of drug discovery efforts.

CHAIRS: Malcolm Haddrick, AstraZeneca and Veronique Birault, Crick Institute

TIME	SPEAKER	TITLE
8:45 - 9:30	PLENARY KEYNOTE: ROOM 3 Professor Chas Bountra Oxford SGC - University of Oxford	TBA
9:30 - 9:45	Session Chairs	Introduction and Welcome
9:45 - 10:30	Kris Frese Manchester University	Small Cell Lung Cancer Circulating Tumour Cell-Derived Explants - A New Preclinical Platform for Examining Drug Response
10:30 - 11:00	Uwe Marx TissUse	Chip-Based Microphysiological Systems and Drug Discovery
11:00 - 11:30	COFFEE BREAK	
11:30 - 12:00	Paul Walker Cyprotex	Confocal High Content Screening of Cardiac and Liver Microtissues for the Improved Prediction of Drug Induced Toxicity
12:00 - 12:30	POSTER TASTERS	
12:30 - 13:00	SNAPSHOT: Sponsored by Takara Bio Europe Professor Geny Groothuis presents: Precision-cut tissue slices as translational and predictive ex vivo model for ADME and toxicity.	
13:00 - 14:30	LUNCH - EXHIBITION - POSTERS	
14:30 - 15:15	PLENARY KEYNOTE: ROOM 3 Professor Munir Pirmohamed David Weatherall Chair in Medicine, Royal Liverpool University Hospital	Drug Safety in Drug Development
15:15 - 15:45	Ellinor Hornberg AstraZeneca	Application of an In vitro Human Airway Epithelial 3D Model for the Detection of Lung Irritancy Following Drug Treatment
15:45 - 16:15	Nicola Elvassore UCL	High-Efficiency Cellular Reprogramming with Microfluidics for Patient-Specific Disease Modelling
16:15 - 16:45	Vivian Li The Francis Crick Institute	Intestinal organoids: disease modelling and regenerative medicine
16:45 - 17:45	POSTER SESSION	
17:00 - 19:00	NETWORKING/DRINKS RECEPTION	

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