



Session Summary

Day 1 : Tues 2nd Sept'14
Room : Charter 2
09:10 - 16:30

Phenotypic Discovery & Cellular Imaging

In the past few years cell-based assays have enjoyed increased popularity in the pharmaceutical industry as a mean to bring back physiology into the drug development pipeline. It is hoped that this emphasis on physiological processes will help to reduce attrition rates in the clinic. Development in diverse areas such as cell culture methods (3D cultures, stem cells, organotypic culture), instrumentation (automated microscopy, label free measurement methods) and computational methods (image analysis, multivariate statistics) have transformed the traditional field of phenotypic drug discovery into a powerful, and quantitative tool, with which to identify and develop new drugs. The phenotypic drug discovery session at ELRIG Drug Discovery 2014 will cover the major developments in this exiting and fast moving field.

CHAIRS : Marc Bickle, Max Planck and Christian Parker, Novartis

TIME	SPEAKER	TITLE		
9:10	Session Chairs	Introduction and Welcome		
9:15	Daniela Gabriel, Novartis	Phenotypic Assays in Drug Discovery		Session Keynote
10:00	Ernst Stelzer, Physikalisch Biologie	Three-dimensional imaging of spheroids and tissues with light sheet-based fluorescence microscopy (LSFM, DSLM, SPIM)		
10:30	COFFEE BREAK			
11:00	Axel Choidas, Lead Discovery Centre	High Throughput/High Content Screen to Identify Modulators of Neutrophil Extracellular Trap (NET) Formation		
11:30	Poster Taster Session			
12:00	Snapshots			
12:30	LUNCH, Exhibition, Posters, Lunchtime Workshops			
2:00	Susan Galbraith, Global Head of Oncology, iMed, Astra Zeneca	Genetic drivers of cancer growth and resistance mechanisms	Plenary Keynote	In Charter 1
3:00	Ian Gilbert, Dundee University	Drug Discovery for Human African Trypanosomiasis : Target-Based and Phenotypic Approaches		
3:30	Ann Macdonald, Life Tech	Utilisation of cell models from patient-derived iPSCs to further understand Parkinson's Disease		
4:00	Anna Collen, AstraZeneca	Phenotypic discovery in AstraZeneca		
4:30-5:30	POSTER VIEWING			
5:00-7:00	Networking / Drinks Reception in the Exhibition hall			
5:30-7:00	DRAGONS DEN in the Exhibition hall			

Publication date 09/06/14. More detail, abstracts, speaker biogs, etc, are available on our website : www.elrig.org



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