



Cell Based Screening

Advances in Technologies



Advances in Cell Based Screening Technologies

Hinxton Hall, Wellcome Trust Conference Centre
15 March 2011

□ Welcome Words

Dear European LRIG Members,

Welcome to the first meeting of 2011 of the European Laboratory Robotics Interest Group (ELRIG) a year in which we will be hosting an exciting range of science and technology focused meetings that will engage the innovation, academic, and industrial strengths of this broad community of scientists. Please ensure you have enlisted as a member and are receiving the ELRIG Newsletters to make sure you keep up to date.

In today's program we are covering a range of Advances in Cell-Based Assay Technologies. This diverse program has been developed to explore the increasing application of cellular imaging, complex cell culture, and novel bioreagents and assays, in innovative basic research and drug discovery. Our speakers are drawn from top laboratories within Europe, both academic and industrial. We look forward to their presentations relaying the latest developments and science which underpin improving the ability to evaluate and understand cell behaviour in vitro in ways that are relevant to intact tissues and animals. There are also a range of exciting posters and stands describing further scientific developments, which we are sure will be of real interest to you as well. The exhibition provides a great opportunity for delegates to learn about and access the latest cell assay and imaging hardware and reagents that can empower cutting edge cellular research.

Organising a successful, free-to-attend meeting of this type involves the commitment and efforts of many individuals. In particular we would like to thank the scientific committee Toby Kent (Novartis), Peter Simpson (AstraZeneca), Fabienne Chevallier (CisBio), Del Trezise (Essen BioScience), Joe Bradley (Pfizer), plus both Jackie Howard and Dermot Boylan of ELRIG. At ELRIG we are particularly proud to be able to maintain free attendance at our symposia - we can only do this with the support of our sponsors and exhibitors. We are grateful to them all.

This continues to be an extremely challenging time for the drug discovery sector. In 2010 & 2011 we have seen a number of pharmaceutical companies close major research sites and we know the impact this has on individuals, careers, and indeed our whole research community. Innovation will be key to us riding out this storm successfully, and hopefully today can lead to some creative ideas, partnerships and new thinking. Also in response to the recent challenges to our local pharmaceutical industry we have set up an opportunity for you to explore career directions with leading recruitment organisations.

We hope today's program will be stimulating, engaging, and enjoyable for you.

Regards,

Peter Simpson, Del Trezise & Joe Bradley

□ Exhibitors

4titude Ltd
Beckman Coulter UK Ltd
Bellbrook Labs
Berthold Detection Systems GmbH
Bigneat Ltd
Biostatus
BMG Labtech Ltd
Caltag Medsystems Ltd
Cambridge BioScience
CCS Cell Culture Services
Cisbio Bioassays
Corning Life Sciences Europe
Essen BioScience Ltd
Fluidx
GE Healthcare
Gilson Scientific Ltd
Greiner Bio-One
HighRes Biosolutions Ltd
InSphero AG
Labtech International
Lonza Cologne GmbH
Molecular Devices (UK) Ltd
Perkin Elmer LAS (UK) Ltd
Porvair Sciences Ltd
Process Analysis and Automation
Roche Diagnostics Limited
The Automation Partnership
Wildcat Laboratory Solutions/Kbiosystems
Innovation Zone:
Solentim
Syntheliss

□ Topics for 2012 Meetings

Epigenetics	March 2012
Next Generation Sequencing	June 2012, Hinxton
Drug Discovery 2012	September Sessions: Ubiquitin Fragment Screening Flow Predictive Toxicology
Flow Cytometry & Imaging	October, AZ, Alderley Park

□ Careers Zone

In light of the recent grim news and site closures in our industry, we recognise that more and more people may be looking to ELRIG as a way of networking and seeking job opportunities.

If you are a potential candidate, we will have a skills posting area, jobs vacant board, representatives from several different scientific recruitment agencies and people on hand to offer 1-to-1 advice (in private if you prefer)

□ Innovation Zone

These companies are new to the business, and just getting started. Spots in the Innovation Zone are subsidised by ELRIG to enable them to be here and get some exposure. We are pleased to say that several companies who started life in the I-Zone at our events have now 'grown-up' to become well established in our industry. Please take this opportunity of visiting them.



8.15 - 9.15	Registration	
9.20 - 9.25 9.25 - 9.30	Session Chairs	Conference Director, Opening Remarks Introductions & Welcome - Peter Simpson and Del Trezise
9.30 - 10.00	Kishan Dholakia, St Andrews University	A new light on cell screening: emergent Photonics technologies for the 21st century
10.00 - 10.30	Yen Choo, Plasticell	Stem Cell differentiation using Small Molecules
10.30 - 11.00	COFFEE BREAK - EXHIBITION	
11.00 - 11.30	Frank Craig, Sphere Fluidics	A Miniaturised Discovery System Based on Picodroplets
11.30 - 12.00	Gareth Wayne, GSK	Taqman-Based Enhanced Sensitivity Immunoassays for Drug Discovery
12.00 - 12.30	Snapshots	TAP, Essen BioScience, Solentim, GE
12.30 - 2.30	LUNCH - EXHIBITION AND POSTER VIEWING	
2.30 - 3.00	Leo Price, Leiden Drug Research Centre	Functional genomics and compound screening in organotypic 3D cell cultures
3.00 - 3.30	Gary Clark, BioFocus	Using microfluidics for the next generation of automated ion channel screening platforms
3.30 - 4.00	COFFEE BREAK - EXHIBITION	
4.00 - 4.30	Fatima Labeed, Surrey University	Di-electrophoresis (DEP) for Ion Channel, toxicology and Stem Cell Differentiation
4.30 - 5.00	Henry Danahay, Novartis	High Throughput Screening of Organotypic Lung Cultures
5.00 - 5.15	CLOSE - PRIZE DRAW	

ELRIG 2011 Meetings



22ND JUNE 2011
High Throughput BioProcess Development
 Daresbury Hotel, Warrington



7 & 8TH SEPT 2011
Drug Discovery: 2011
 Sessions



1. GPCR Drug Discovery
 2. Enzyme Drug Discovery
 3. Robotics and Automation
 4. Sample Management
 5. Assay Development and Screening
 6. Cellular Imaging Technologies
- Manchester Central, Manchester, UK



8TH NOVEMBER 2011
Stem Cells and Regenerative Medicine
 Hinxton Hall, Cambridge, UK



Details on our website ...www.elrig.org

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Founding Sponsors □



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