Welcome Words

I would like to welcome delegates, speakers and exhibitors to the second Research and Innovation Conference: Impact in Cancer.

ELRIG is a not-for-profit organisation committed to providing a platform where our members and broader scientific community can share excellent science, have opportunities to network and promote new technologies. This conference will deliver on all these important tasks.

The program for this meeting highlights the advances in the way we use and develop technologies to study cancer. Additionally we have a session looking at the important area of natural products and their impact in not only cancer but also their potential contribution to other disease areas. In all areas the impact of modelling systems, tissue culture with the developing area of 3D systems and phenotypic screening will be covered. Over the course of the day a superb range of world-class speakers will look at the cutting edge and near future in these areas to demonstrate what is being achieved to encourage and help all who are working in these disciplines. The scientific program will be complimented by a poster session and a vendor exhibition giving attendees the opportunity to review the latest developments in both reagents and instrumentation in this important and growing field.

Organising a meeting of this type is not possible without the efforts of many individuals. In particular I would like to thank my co-director Graeme Daniels, the session chairs of Steve Ludbrook (GSK), David Nichols (AZ), Dr. Santiago Uribe-Lewis (Cambridge University), Neil Carragher (Edinburgh University), Stephen Witgley (Hypha Discovery), Esther Schmitt (Novartis) and Liam Evans (Hypha Discovery) for their help with bringing the scientific programme together plus both Jackie Hovard and Dermot Boylan of ELRIG. ELRIG are particularly proud to be able to maintain free attendance at our conference. We can only do this with the support of our sponsors and exhibitors. We are grateful to them all and especially as this is a relatively new conference and requires confidence in the program and ELRIG.

We also thank you for your attendance at this meeting. Please use this as an opportunity to catch-up with old friends, to make new contacts and to discuss the interesting and exciting scientific advances being presented and their potential impact.

With best regards

Mike Jowett, Conference Director, ELRIG
Graeme Daniels – Co Director

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Cancer: New Approaches to Understanding the disease

Session 1  Atcham Suite

9.10 – 9.15  Introductions and Welcome
Santiago Uribe Lewis, CRUK
David Nichols, AstraZeneca

9.15 – 10.00  Session Keynote
Cancer Metabolism: New Targets for Drug Discovery
Michael Lisanti, University of Manchester

10.00 – 10.30  Metabolic alteration in Fumarate Hydratase deficient cells
Christian Frezza, MRC

10.30 – 11.00  COFFEE BREAK

11.00 – 11.30  Genomic insights into cancer-associated aberrant CpG island hypermethylation
Richard Meehan, University of Edinburgh

11.30 – 12.00  Ensuring ChIP-Seq Success
Bianca Garms, Active Motif

12.00 – 12.30  SNAPSHOTS

12.30 – 2.00  LUNCH – EXHIBITION – POSTERS and workshop

2.00 – 2.30  Noninvasive cancer analysis through targeted deep sequencing of circulating tumour DNA
Tim Forshey, University of Cambridge

2.30 – 3.00  Multiplex mutation testing to optimise genetic biomarker analysis on patients’ samples
Gillian Ellison, AstraZeneca

3.00 – 3.30  COFFEE BREAK

3.30 – 4.00  Physiologically relevant cell-based assays in oncology: can we make it happen?
Elad Katz, AMSYS

4.00 – 4.30  PREDECT: Characterizing in vitro models that may capture complexity and heterogeneity of human disease
Simon Barry, AstraZeneca

4.00 – 4.45  CLOSE OF CONFERENCE with Prize Draw
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| 9.10 – 9.15 | Introductions and Welcome | Neil Carragher, Edinburgh Uni  
Steve Ludbrook, GSK | Introductions and Welcome | Stephen Wrigley, Hypha Discovery  
Esther Schmitt, Novartis |
| 9.15 – 10.00 | Session Keynote | High Throughput Phenotypic Screening – past success and future challenges  
Roger Clark, AstraZeneca | Session Keynote | Marine Fungi: Introduction to the interdisciplinary research project to discover and promote new natural products for anticancer applications  
Understanding the biology of marine fungi for the production of secondary metabolites to establish a natural product library  
Johannes Imhoff & Antje Labes, GEOMAR |
| 10.00 – 10.30 | Simple Readouts for Complex Biology | Christian Parker, Novartis | 10.00 – 10.30 | Understanding Fungal Biosynthetic Gene Clusters  
Russell Cox, Leibniz University |
| 10.30 – 11.00 | COFFEE BREAK | | 10.30 – 11.00 | COFFEE BREAK |
| 11.00 – 11.30 | Hitting the target in phenotypic drug discovery: Advances in receptor deconvolution | Jim Freeth, Retrogenix | 11.00 – 11.30 | Marine Fungi: a phenotypic assay approach to identifying anti-cancer compounds  
Phil Gribbon, European Screening Port |
| 11.30 – 12.00 | Human Primary Cell Based BioMAP® Systems  
Modelling the host-Tumour Stromal and Vascular Microenvironments to Support Compound Screening and Therapeutic Development | Alison O’Mahony, Bioseek (a division of DiscoveRx) | 11.30 – 12.00 | Biotechnology 2.0: Use of Synthetic Biology for Natural Products  
Eriko Takano, University of Manchester |
| 12.00 – 12.30 | SNAPSHOTS | | 12.00 – 12.30 | Mining Natural Products Screening Data for Target Class Chemical Motifs  
Isabel Coma, GSK |
| 12.30 – 2.00 | LUNCH – EXHIBITION – POSTERS and workshop | | 12.30 – 2.00 | LUNCH – EXHIBITION – POSTERS and workshop |
| 2.00 – 2.30 | High-Throughput In Vitro Cancer Research Using Biomimetic Scaffolds  
Jed Johnson, Nanofibre Solutions | | 2.00 – 2.30 | Innovation & Tradition in industrial Natural Product Research  
Esther Schmitt, Novartis |
| 2.30 – 3.00 | Studying gene function in 3D microtissue models  
Jens Kelm, InsPhero | | 2.30 – 3.00 | Novel Strategies for Natural Product Based Macroyclic Libraries  
Lutz Muller-Kuhrt, AnalytiCon Discovery |
| 3.00 – 3.30 | COFFEE BREAK | | 3.00 – 3.30 | COFFEE BREAK |
| 3.30 – 4.00 | Selection of antibodies to signalling network  
Mike Dyson, IONtas | | 3.30 – 4.00 | Elucidating and Exploiting Biosynthesis  
Rebecca Goss, University of St Andrews |
| 4.00 – 4.30 | “Phase-III-in-a-Plate”: Leveraging HCA technology for basic research in translational studies  
Nathalie Aulner, Institut Pasteur | | 4.00 – 4.30 | Marine Fungi: Charting the Chemistry of Hits from an Anticancer Screening Campaign  
Stephen Wrigley, Hypha Discovery |
| 4.30 – 4.45 | CLOSE OF CONFERENCE with Prize Draw | | 4.30 – 4.45 | CLOSE OF CONFERENCE with Prize Draw |
ELRIG 2014 Meetings

1 JUL

Robotics & Automation
Festo, Northampton

02-03 SEP

Drug Discovery 2014
Manchester Central
8 Tracks - 2 Days
Innovations in Screening & Assay Development
Phenotypic Discovery & Cellular Imaging
Oncology Drug Discovery
Core Technology Forum
Target Validation
Chemistry Innovation in Lead Discovery
Engineered Proteins for Therapy
Neuroscience Drug Targets

19-20 NOV

Pharmaceutical Flow Cytometry & Imaging
GSK, Ware
2 Days
Very popular Bi-annual event

For more information please contact: Jackie Howard
Email: jackie.howard@elrig.org  Mob: 07879 050 555

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