



#ELRIGRI17



Research & Innovation 2017

Cells as Models of Disease & New Therapeutics
29th - 30th MARCH 2017, HOMERTON COLLEGE, CAMBRIDGE

RESEARCH & INNOVATION 2017 PLATINUM SPONSOR



Nexcelom Bioscience is a designer, developer and manufacturer of innovative instruments for cell viability and cell-based assays. Nexcelom's Celigo and Cellometers are playing key roles in both oncology and immunology research. Celigo's unique imaging quality is used to identify single cells post FACS sorting, an imperative step for successful Next Generation Sequencing (NGS). www.nexcelom.co.uk

www.elrig.org



WELCOME TO RESEARCH & INNOVATION 2017

We are very pleased to welcome you to ELRIG's 5th Annual Research & Innovation conference which has been extended to take place over two days. We are delighted to be hosting this meeting in Cambridge, a global centre of excellence in research and innovation and look forward to this meeting becoming an integral part of the Cambridge calendar.

In creating this year's conference we have concentrated on topics that we believe are breaking new ground in drug discovery research. Our theme for this year's conference is "Cells as models of disease and new therapeutic agents". Under this umbrella we have put together two tracks on Immunotherapy: oncology focused and non-oncology focused, as well as tracks on single-cell analysis and physiologically relevant cell models.

Complementing these excellent presentations we have two plenary keynote speakers, Ian Tomlinson (Apollo Therapeutics) and Richard Eglen (Corning) who will share learnings across discovery partnerships and new dimensions in cellular research.

The planning and organisation of this meeting was due to the efforts of many individuals. In particular, we would like to thank our session chairs: Stuart Farrow (Cancer Research Technology) & Rahul Roychoudhuri (Babraham Institute), Frank Craig (Sphere Fluidics) & Bertie Göttgens (Cambridge Stem Cell Institute), Peter Morley (GlaxoSmithKline) & Rachel Chambers (University College London), Margaret Ashcroft (University of Cambridge) & Richard Eglen (Corning), for their hard work and dedication in putting together an exciting and impressive scientific programme. We would also like to thank the ELRIG team for their support.

ELRIG is a leading European not-for-profit organization that exists to provide outstanding scientific content to the life science community and a platform where academic and industry thought leaders come together to network and promote new innovations in drug discovery. ELRIG is particularly proud to provide free delegate attendance at the conference, which would not be possible without the generous support of the sponsors and exhibitors.

We hope that you all enjoy the meeting and use it as an opportunity to network with friends, make new contacts and discuss new and interesting scientific advances and their ability to impact early drug discovery.

Kind regards

Mark Wigglesworth
Director, High Throughput
Screening, AstraZeneca

Mike Kerins
Managing Director
Cambridge Bioscience

Wine tasting sponsored by: **LABMAN**

Labman designs and manufactures custom robotic automation for the industrial, laboratory and medical industries. We work closely with customers across the world, including international universities and research facilities, to create automated systems that facilitate and further analysis, production and development in some of the most important fields currently being investigated.

DAY 1: WEDNESDAY 29TH MARCH

DAY 2: THURSDAY 30TH MARCH

	THE AUDITORIUM	THE BOULIND SUITE	THE AUDITORIUM	THE BOULIND SUITE
	IMMUNOTHERAPY (ONCOLOGY FOCUS)	SINGLE CELL ANALYSIS INCLUDING TRANSCRIPTOMICS, NGS, MICRO-FLUIDICS	IMMUNOTHERAPY (NON-ONCOLOGY FOCUS)	PHYSIOLOGICALLY RELEVANT 3D MODELS & SCALE-UP
09:00 - 09:15	AUDITORIUM: Conference Directors' Opening Remarks & Introduction of Keynote Mark Wigglesworth (Astrazeneca) & Mike Kerins (Cambridge Bioscience)		AUDITORIUM: Conference Directors' Opening Remarks & Introduction of Keynote Mark Wigglesworth (Astrazeneca) & Mike Kerins (Cambridge Bioscience)	
09:15 - 10:15	AUDITORIUM: PLENARY KEYNOTE - Ian Tomlinson (Apollo Therapeutics) Real Discovery Partnership: Making industrial-academic interactions work		AUDITORIUM: PLENARY KEYNOTE - Richard Eglen (Corning) To boldly go ...exploring new dimensions in cellular research and drug discovery	
10:15 - 10:30	VENDOR SNAPSHOT: Ravindra Chaudhari (Nexcelom)	VENDOR SNAPSHOT: AUDITORIUM Ravindra Chaudhari (Nexcelom)	VENDOR SNAPSHOT: Ravindra Chaudhari (Nexcelom)	VENDOR SNAPSHOT: AUDITORIUM Ravindra Chaudhari (Nexcelom)
10:30 - 11:00	COFFEE BREAK		COFFEE BREAK	
11:00 - 11:10	Session Chairs introductions: Stuart Farrow (Cancer Research Technology) & Rahul Roychoudhuri (Babraham Institute)	Session Chairs introductions: Frank Craig (Sphere Fluidics) & Bertie Göttgens (Cambridge Stem Cell Institute)	Session Chairs introductions: Peter Morley (GlaxoSmithKline) & Rachel Chambers (UCL)	Session Chairs introductions: Richard Eglen (Corning) & Margaret Ashcroft (University of Cambridge)
11:10 - 11:40	The use of bispecific antibodies to modulate anti-tumour immune responses Neil Brewis (F-star Biotechnology)	The Human Cell Atlas Mike Stubbington (Sanger)	Therapeutics for inflammatory lung disease: looking down the wrong end of the telescope Tracy Hussell (Manchester University)	Modelling Nerve Regeneration in vitro and in vivo Alison Lloyd (UCL)
11:40 - 11:45	VENDOR SNAPSHOT: Jane Wood (Miltenyi Biotec)	VENDOR SNAPSHOT: Nadia Shakir (Dolomite Bio)	VENDOR SNAPSHOT: Miles Radcliffe (IntelliCyte)	VENDOR SNAPSHOT: Mike Kerins (Cambridge BioScience)
11:45 - 12:15	The Impact of DNA Sensing and Tumour Immunogenicity on Tumour Growth Andrew Mellor (Newcastle University)	Single cell multi-omics: Multiple measurements from single cells Iain Macaulay (Earlham Institute Norwich)	Targeting ectopic lymphoid structures in rheumatic autoimmune diseases Michele Bombardieri (William Harvey Research Institute)	Application of 3D culture for mechanism of action studies & oncology biomarker discovery Radek Polanski (AstraZeneca)
12:15 - 12:25	VENDOR SNAPSHOTS: Ciaran Sewter (Promega) Andrea Lindemann (Insphero)	VENDOR SNAPSHOT: Dave Thomas (Sartorius Stedim)	VENDOR SNAPSHOTS: Louise Affleck (Cisbio Bioassays) Lawrence Rentoul (Merck)	VENDOR SNAPSHOTS: Jay Foxall (Greiner bio-one) Antoine Fouillet (BioTek)
12:25 - 12:55	POSTER TASTERS: Genevieve Leyden (Wellcome Trust Sanger Institute) Ruth McElhone (UCB)	POSTER TASTERS: Nicole Nicholas (Cell and Gene Therapy Catapult) Frank Geselchen (Sphere Fluidics Limited)	POSTER TASTERS: Andrew Williams (UCL) Anne Dickinson (Alcyomics)	POSTER TASTERS: Cinzia Esposito (University of Cambridge) Gopi Shah (Cancer Research UK Cambridge Institute)
12:55 - 14:00	LUNCH - EXHIBITION - POSTERS		LUNCH - EXHIBITION - POSTERS	
14:00 - 14:30	Window studies in head and neck cancer Emma King (Southampton University)	Exploring the mechanisms of haematopoietic lineage progression at the single-cell level Ana Cvejic (Wellcome Trust and MRC Cambridge Stem Cell Institute)	Epigenetic targets for the treatment of human diseases Matt Lindon (GlaxoSmithKline)	Dissecting cell-cell interactions in the tumour microenvironment Martin Miller (Cambridge Institute)
14:30 - 15:00	Isotype, Fc receptor interactions and epitope specificity: critical roles in therapeutic antibody function Ann White (UCB Celltech)	Single Cell Analysis in droplet-based microfluidics: towards a new tool for cancer research Valerie Taly (Paris Descartes University)	The opposing roles of LTA4H in regulating pulmonary inflammation and new opportunities for therapeutic intervention Robert Snelgrove (Imperial College London)	3-D ElectroSpun Scaffold-Based Biological Assays – A Practical Approach to Performing 3-D Cell Culture & Assays in Microwell Plates Gary Allenby (Aurelia Bio)
15:00 - 15:30	COFFEE BREAK		COFFEE BREAK	
15:30 - 16:00	Modulating Tregs for Cancer Immunotherapy Awen Gallimore (Cardiff University)	Molecular tools for single cell and single molecule analysis Ulf Landegren (Uppsala University)	Regulatory T cell therapy in organ transplantation Giovanna Lombardi (Kings College London)	The National Phenotypic Screening Centre: Where Predictive Biology Meets the Best Technology Paul Andrews (University of Dundee)
16:00 - 16:30	Targeting Foxp3 transcription Factor for cancer therapy Juan José Lasarte (Pamplona University)	Healthy and malignant haematopoiesis in the bone marrow: dynamic cells in an evolving environment Cristina LoCelso (Imperial College London)	Isoform selective roles of PI3Ks in innate immunity and inflammation Ezra Aksoy (Queen Mary University of London)	New targets from old projects: The application of cell-based screening in translational research Jon Roffey (Cancer Research Technology)
16:30 - 17:00	Towards small molecule immunostimulatory therapy for cancer Rahul Roychoudhuri (Babraham Institute)	Living droplets - biomedical discovery at high throughput Christoph Merten (EMBL, Heidelberg)	Discovery of novel IL-33 regulation and blocking mAbs Elizabeth England (Medimmune)	The relevance of using 3D cell cultures, in addition to 2D monolayer cultures, when evaluating anti-cancer drug sensitivity & resistance Lorraine O'Driscoll (Trinity College Dublin)
17:00 - 19:00	NETWORKING, DRINKS RECEPTION & WINE TASTING sponsored by: LABMAN Automation		17:00 - 17:15	CONFERENCE CLOSE



European Laboratory
Research & Innovation Group

RESEARCH & INNOVATION 2017 SPONSORS



AstraZeneca is a global pharmaceutical company with a major UK presence. Our purpose is to push the boundaries of science to deliver life-changing medicines. The best way we can help patients is to be science-led and share this passion with the scientific, healthcare and business communities of the UK.
www.astrazeneca.co.uk

Corning Life Sciences provides high quality, innovative products and solutions for key life science applications including 3D cell culture, bioprocessing, cell therapy, High Throughput Screening and ADME/Toxicology. www.corning.com

RESEARCH & INNOVATION 2017 EXHIBITORS

Avacta Life Sciences www.avactalifesciences.com	Formulatrix www.formulatrix.com	Olympus Scientific Solutions www.olympus-lifescience.com
Beckman Coulter Ltd. UK www.beckmancoulter.com	Gilson UK www.gilsonuk.com	Promega UK Ltd www.promega.com
BioSero www.biosero.com	Greiner Bio One Ltd www.gbo.com	Sartorius www.tapbiosystems.com
BioTek Instruments Ltd www.biotek.com	InSphero inc www.insphero.com	Sphere Fluidics Limited www.spherefluidics.com
BlueCatBio GmbH www.bluecatbio.com	Integra www.integra-biosciences.com	UPM-Kymmene Corporation www.growdex.com
BMG LABTECH Ltd www.bmglabtech.com	Intellicyt www.intellicyt.com	INNOVATION ZONE
Caltag Medsystems Ltd www.caltagmedsystems.co.uk	Lablogic Systems Ltd www.lablogic.com	DefiniGEN www.definigen.com
Cambridge Bioscience www.bioscience.co.uk	Langton Howarth www.langtonhowarth.co.uk	Euroscitech www.euroscitech.com
Cambridge Research Biochemicals www.crbdiscovery.com	LGC Group www.lgcgroup.com	Kirkstall www.kirkstall.org
Cisbio www.cisbio.com	Merck www.merckmillipore.com www.sigmaaldrich.com	MIP Diagnostics Ltd www.mip-dx.com
Dolomite Bio www.dolomite-bio.com	Miltenyi Biotec www.miltenyibiotec.com	proteins at work pepscope www.pepscope.com

RESEARCH & INNOVATION 2017 MEDIA PARTNERS



2017 ELRIG EVENTS



For more information on any of our events or advertising and sponsorship opportunities, please contact the ELRIG team.

E-mail: info@elrig.org Tel: +44 (0)1904 405 177

www.elrig.org