



#ELRIGCBS17



# Advances in Cell Based Screening 2017

ASTRAZENECA, GOTHENBURG, SWEDEN  
10<sup>th</sup> - 11<sup>th</sup> May 2017

**ADVANCES IN CELL-BASED SCREENING IN DRUG DISCOVERY 2017  
PLATINUM SPONSOR**



Nexcelom bioscience is a designer, developer and manufacturer of innovative devices and instruments for cell viability and cell-based assays used in a wide range of industries. Nexcelom is a clear leader and innovator in the field of image-based cytometry for cell analysis.

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## WELCOME TO ADVANCES IN CELL-BASED SCREENING IN DRUG DISCOVERY 2017

**We are very pleased to welcome you to the 2nd bi-annual ELRIG's Advances in Cell-Based Screening conference. Building on the 2015 conference, this year's meeting promises to deliver another inspiring 2-day event with world-class experts from academia and pharma to share recent scientific advances, best practices and case studies covering a vast area of cell based approaches in early drug discovery.**

The program includes speakers from top academic and industrial laboratories who will showcase many recent advances in discovery technologies, including recent developments in predictive cell models, applied transcriptomics and proteomics, phenotypic discovery, target deconvolution and mode-of-action (MoA) determinations. We also have two keynote speakers, Robert Vries (Hubrecht Organoid Technology) and Neil Carragher (University of Edinburgh) who will initiate the scientific sessions on day 1 and 2 respectively.

There will also be an exciting poster session and an extensive vendor exhibition covering the latest technological advances and associated services within this field in addition to the scientific sessions. Attending this event will also provide you with excellent opportunities for networking with like-minded peers, helping you to find solutions and to build collaborations.

The planning and organisation of this meeting was due to the efforts of many individuals from academia and industry. In particular, I would like to thank our conference core-team members Alexander Kvist, Tyrell Norris and Ingela Parling (AstraZeneca) for their hard work and dedication in organizing and putting together an exciting and impressive scientific programme. We would also like to thank the ELRIG team, Tara Shanks, Sanj Kumar, Rhona Bennett and Clare Cockerham for their excellent 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.

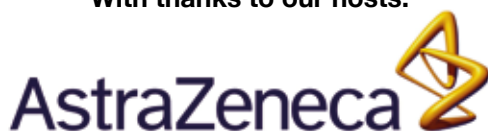
We hope that this 2-day event will be engaging, interesting and enjoyable for you and use it as an opportunity to network with friends, colleagues and to make new contacts.

Kind Regards

**Per-Erik Strömstedt**  
AstraZeneca



With thanks to our hosts:



DAY 1: WEDNESDAY 10<sup>TH</sup> MAYDAY 2: THURSDAY 11<sup>TH</sup> MAY

ADVANCED CELLULAR MODELS	
09:30 - 09:35	<b>Conference Director's Opening Remarks &amp; Introduction of Keynote</b> Per-Erik Strömstedt (AstraZeneca)
09:35 - 10:20	<b>PLENARY KEYNOTE: Robert Vries</b> (Hubrecht Organoid Technology) <b>Organoids, the next step to personalized drug development and treatment</b>
10:20 - 10:30	<b>Session Chairs introduction:</b> Alexander Kvist (AstraZeneca)
10:30 - 11:00	<b>Primary human hepatocyte spheroids for mechanistic hepatotoxicity studies and drug target validation under normal and diseased conditions</b> Volker Lauschke (Karolinska Institute)
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 12:00	<b>Generation of glucose responsive beta cells from purified hESC-derived pancreatic progenitors</b> Jacqueline Ameri (DanStem)
12:00 - 12:30	<b>VENDOR SNAPSHOT</b> Scott Cribbes (Nexcelom)
12:30 - 13:00	<b>Mesenchymal cell diversity in airway tissue repair</b> Gunilla Westergren-Thorsson (Lund University)
13:00 - 14:20	<b>LUNCH - EXHIBITION - POSTERS</b>
'OMICS FOR SCREENING AND PROFILING	
14:20 - 14:30	<b>Session Chairs introduction:</b> Sten Linnars (Karolinska Institute)
14:30 - 15:00	<b>An atlas of mouse brain cell types by single-cell RNA-seq</b> Sten Linnars (Karolinska Institute)
15:00 - 15:15	<b>VENDOR SNAPSHOTS:</b> Tomas Hejhal (InSphero) Michael Dabrowski (Pelago Bioscience) Zoe Allen (Axol Bioscience Ltd)
15:15 - 15:45	<b>COFFEE BREAK</b>
15:45 - 16:15	<b>From genotype to molecular phenotype by cancer proteomics</b> Janne Lehtio (Karolinska Institute)
16:15 - 16:30	<b>VENDOR SNAPSHOTS:</b> Katja Ahokas (Promega Biotech AB) Anders Bergkvist (Merck)
16:30 - 17:00	<b>POSTER TASTERS:</b> Johanna Decastroarce (GE Healthcare) Helena Almqvist (Karolinska institute)
17:00 - 18:30	<b>NETWORKING, DRINKS RECEPTION</b>

TARGET ENGAGEMENT & DECONVOLUTION	
09:30 - 09:35	<b>Conference Directors' Opening Remarks &amp; Introduction of Keynote</b> Per-Erik Strömstedt (AstraZeneca)
09:35 - 10:20	<b>PLENARY KEYNOTE: Neil Carragher</b> (University of Edinburgh) <b>Advances in Cell-based Assay Technologies: New Opportunities in Cell Pharmacology, in vitro Pharmacogenomics and a new era of Phenomics Drug Discovery</b>
10:20 - 10:30	<b>Session Chairs introduction:</b> Steve Rees (AstraZeneca)
10:30 - 11:00	<b>Chemoproteomics and Thermal Protein Profiling as tools for Target Identification and to investigate Target Engagement</b> Fridrich Reinhard (GlaxoSmithKline)
11:00 - 11:30	<b>COFFEE BREAK</b>
11:30 - 11:45	<b>VENDOR SNAPSHOTS:</b> James Hutt (Perkin Elmer) Kalpana Singh (Miltenyi Biotec GmbH)
11:45 - 12:15	<b>Target Identification for Biologics from Phenotypic Screening</b> Alan Sandercock (MedImmune Ltd)
12:15 - 12:35	<b>VENDOR SNAPSHOTS:</b> David Mann (Cellular Dynamics) Sarah Hardison (Horizon Discovery Ltd) Miles Rackliff (IntelliCyt)
12:35 - 13:50	<b>LUNCH - EXHIBITION - POSTERS</b>
APPLIED PHENOTYPIC SCREENING	
13:50 - 14:00	<b>Session Chairs introduction:</b> Neil Carragher (University of Edinburgh)
14:00 - 14:30	<b>A High-Throughput phenotypic screen identifies modulators of human pancreatic <math>\beta</math>-cell proliferation for Type II Diabetes</b> Sinead Knight (AstraZeneca)
14:30 - 15:00	<b>Phenomics in precision medicine of solid tumors</b> Vilja Peitaiainen (Institute for Molecular Medicine Finland)
15:00 - 15:30	<b>Screening a Neuronal Model for Synucleinopathies</b> Marc Bickle (Max Planck Institute of Molecular Cell Biology and Genetics)
15:30 - 16:00	<b>CLOSE OF CONFERENCE</b>



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## 2017 ELRIG EVENTS

**Drug Discovery 2017**  
ACC, LIVERPOOL  
3<sup>rd</sup> - 4<sup>th</sup> October 2017  
#ELRIGDD17

**ELRIG Networking Events**

**Communicate Collaborate Innovate**  
For regular updates follow us on Twitter: @ELRIG\_UK

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

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