



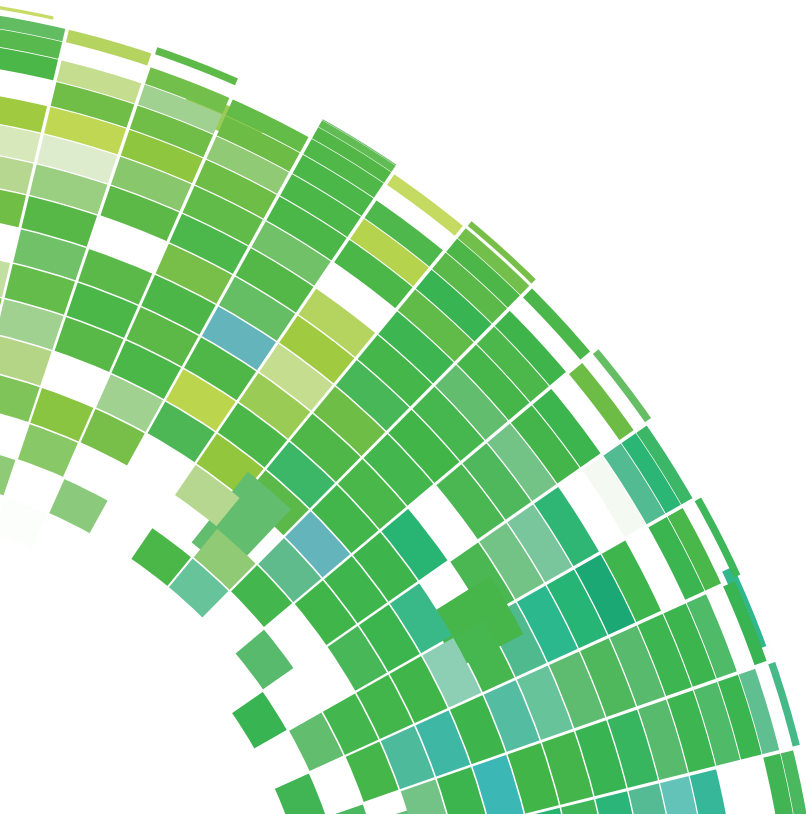
CELL & GENE THERAPY 2021

From Targets to Therapeutics

18 - 19 May 2021



www.elrig.org



Welcome to Cell & Gene Therapy 2021

A very warm welcome to the delegates, speakers and exhibitors joining us for our first ever Cell & Gene Therapy 2021 conference organised by ELRIG.

We are pleased to be able to host you virtually from the Karolinska Institute in Stockholm and AstraZeneca, Gothenburg, Sweden, centres of academic and pharmaceutical excellence in the field of cell and gene therapy.

Within the field of medicine the impact of cell and gene therapies has been both revolutionary and hugely impactful, so we are delighted to be able to present the latest and most innovative breakthroughs in the field, with a gathering of world class speakers and technology providers, who will illustrate both the current accomplishments and future possibilities of the rapidly evolving methodologies, technologies and applications around cell and gene therapies, over the next two days.

We are especially pleased to have two distinguished keynotes; **Professor Michele De Luca**, of the *Centre for Regenerative Medicine "Stefano Ferrari", University of Modena and Reggio Emilia, Italy* and **Professor Hermann Einsele**, *University Hospital Wuerzburg Internal Medicine II, Würzburg, Germany*.

Other sessions will focus on cell based therapies across disease areas, advanced therapies in oncology and therapies for genetic conditions.

The podium program has been complemented by presentations from leading cell and gene therapy reagent and service providers that will be of broad scientific interest and highlight technologies that will enable cell and gene therapies. The scientific program will be rounded out by a poster session and vendor exhibition, allowing participants the opportunity to engage directly with application scientists and explore the latest instrumentation and reagents offered by exhibitors.

The organisation of this meeting required hard work and dedication from many individuals. We would like to thank the ELRIG operations team; Clare Cockerham, Tara Shanks and Sanj Kumar for their administrative support and Melanie Leveridge, the chair of ELRIG for helping to develop the initial concept of this unique conference.

ELRIG is a not-for-profit organisation whose mission is to provide outstanding, leading-edge knowledge to the life sciences community on an open access basis. This would not be possible without the generous support of the exhibitors. We are grateful to them all and especially to our platinum sponsors; **bit.bio**, **Mogrify** and **Nexcelom**. Please do take some time to engage with them during the refreshment breaks.

Cell & Gene Therapy 2021 Conference Directors



Johan Hyllner
(AstraZeneca)



Stephan Mielke
(Karolinska Institutet)



Per-Erik Strömstedt
(AstraZeneca)

DAY 1: TUESDAY 18TH MAY

*All times are BST
+1 CEST
-5 EDT

CONFERENCE HALL
SPONSORED BY **iotaSciences**

9:45 - 9:50	Conference Welcome Johan Hyllner (<i>AstraZeneca</i>)
9:50 - 10:35	PLENARY KEYNOTE Combined cell and gene therapy for Epidermolysis Bullosa Prof Michele De Luca (<i>Centre for Regenerative Medicine "Stefano Ferrari" University of Modena and Reggio Emilia</i>)
10:35 - 11:05	BIT.BIO PLATINUM SPONSOR Cellular reprogramming to enable the consistent and scalable manufacturing of human cells for therapeutic applications Dr Alex Davenport
11:05 - 11:25	REFRESHMENT BREAK, POSTER SESSION AND VENDOR EXHIBITION
11:25 - 11:30	SESSION CHAIR WELCOME CELL BASED THERAPIES ACROSS DISEASE AREAS SPONSORED BY IOTA SCIENCES Johan Hyllner (<i>AstraZeneca</i>)
11:30 - 11:50	Developing a stem cell based therapy for Parkinson's disease Prof Malin Parmar (<i>Lund University</i>)
11:50 - 12:05	BIO-RAD INDUSTRY INSIDER SPONSOR Overcome the most common challenges in cell & gene therapy development using Droplet Digital PCR Rosario Tizzone
12:05 - 12:25	Cartilage regeneration with cell therapy - current and future aspects Prof Anders Lindahl (<i>Institute of Biomedicine, The Sahlgrenska Academy</i>)
12:25 - 12:30	REFRESHMENT BREAK
12:30 - 12:50	Joint Q&A session Prof Malin Parmar (<i>Lund University</i>) Prof Anders Lindahl (<i>Institute of Biomedicine, The Sahlgrenska Academy</i>)
12:50 - 13:05	10X GENOMICS INDUSTRY INSIDER SPONSOR Single Cell Multiomics to Accelerate Cancer Immune Cell Therapy Research Stephen Hauge
13:05 - 13:10	IOTA SCIENCES LTD PREMIUM SPONSOR Efficient and automated single-cell cloning with iotaSciences' cloning platform Dr Ann Na Tan
13:10 - 14:10	REFRESHMENT BREAK WORKSHOP HOSTED BY MILTENYI BIOTEC LTD Virtual demo - Automate adherent cell manufacturing Chao Sheng
14:10 - 14:15	SESSION CHAIR WELCOME CELL BASED THERAPIES ACROSS DISEASE AREAS SPONSORED BY IOTA SCIENCES Dr Ryan Hicks (<i>AstraZeneca</i>)
14:15 - 14:35	Is the Cellular Secretome the Next Step of Cell Therapy? Philippe Menasché (<i>INSERM</i>)
14:35 - 15:05	NEXCELOM BIOSCIENCE LTD PLATINUM SPONSOR Streamline and modernise your Immunology and Immuno-Oncology research Dr Suzanne Riches
15:05 - 15:25	VEGF-A modified mRNA in Cardiovascular Disease Anna Collén (<i>AstraZeneca</i>)
15:25 - 15:30	REFRESHMENT BREAK
15:30 - 15:50	Regenerative Medicine in Diabetes: a work in progress Prof Lorenzo Piemonti (<i>IRCCs Ospedale San Raffaele</i>)
15:50 - 16:10	Joint Q&A session Philippe Menasché (<i>INSERM</i>) Anna Collén (<i>AstraZeneca</i>) Prof Lorenzo Piemonti (<i>IRCCs Ospedale San Raffaele</i>)

DAY 2: WEDNESDAY 19TH MAY
CONFERENCE HALL

9:45 - 9:50	Conference Welcome Prof Stephan Mielke (<i>Karolinska Institutet, Department of Laboratory Medicine</i>)
9:50 - 10:35	PLENARY KEYNOTE CAR-T Cell Therapy for Multiple Myeloma Prof Hermann Einsele (<i>University Hospital Wuerzburg Internal Medicine II</i>)
10:35 - 11:05	MOGRIFY PLATINUM SPONSOR Translating Cellular Reprogramming into Efficacious and Scalable Cell Therapies for Immuno-Oncology Dr Alessandra De Riva
11:05 - 11:25	REFRESHMENT BREAK, POSTER SESSION AND VENDOR EXHIBITION
11:25 - 11:30	SESSION CHAIR WELCOME ADVANCED THERAPIES IN ONCOLOGY Prof Stephan Mielke (<i>Karolinska Institutet, Department of Laboratory Medicine</i>)
11:30 - 11:50	Autologous NK Cells as Consolidation Therapy in Multiple Myeloma Prof Hans-Gustaf Ljunggren (<i>Karolinska Institutet</i>)
11:50 - 12:05	ABCAM INDUSTRY INSIDER SPONSOR Proteins and Reagents for Cell and Gene Therapy Research Deborah Moore-Lai
12:05 - 12:25	Stem cell transplantation as a backbone for modern cell- and gene therapy Prof Stephan Mielke (<i>Karolinska Institutet, Department of Laboratory Medicine</i>)
12:25 - 12:30	REFRESHMENT BREAK
12:30 - 12:45	Joint Q&A session Prof Stephan Mielke (<i>Karolinska Institutet, Department of Laboratory Medicine</i>) Prof Hans-Gustaf Ljunggren (<i>Karolinska Institutet</i>)
12:45 - 13:00	RAMCON INDUSTRY INSIDER SPONSOR The use of capillary electrophoresis in gene therapy product testing Dr Stephen Lock
13:00 - 13:05	UPM BIOMEDICALS INDUSTRY INSIDER SPONSOR Nanofibrillar Cellulose (NFC) Hydrogel for Regenerative Medicine Lauri Paasonen
13:05 - 13:10	LUMINEX PREMIUM SPONSOR Amnis ImageStream Machine Learning and Amnis AI Methods in Imaging Flow cytometry Data Analysis Brian Hall
13:10 - 14:10	REFRESHMENT BREAK 13:40 - 14:10 NEXCELOM BIOSCIENCE LTD HOT TOPIC DISCUSSION Cell Counting Standards Leo Chan
14:10 - 14:15	SESSION CHAIR WELCOME THERAPIES FOR OTHER DISEASES Per-Erik Strömstedt (<i>AstraZeneca</i>)
14:15 - 14:35	TBC Katarina Leblanc (<i>Karolinska Institutet</i>)
14:35 - 14:40	TWIST BIOSCIENCE PREMIUM SPONSOR Leveraging cell and gene therapy development through DNA synthesis at scale Dr Leonie Alten (<i>Twist Bioscience</i>)
14:40 - 15:00	Personalized tissue-engineered organs that will revolutionize future medicine Petter BJORQUIST (<i>Verigraft AB</i>)
15:00 - 15:05	BECKMAN COULTER PREMIUM SPONSOR Life Sciences Overview Dr Maria Savino
15:05 - 15:10	CELLINK PREMIUM SPONSOR A new platform for generating monoclonal cell lines for gene therapies with double assurance of clonality Dr Elly Sinkala
15:10 - 15:15	REFRESHMENT BREAK
15:15 - 15:35	Joint Q&A session Katarina Leblanc (<i>Karolinska Institutet</i>) Petter BJORQUIST (<i>Verigraft AB</i>)
15:35 - 15:45	Conference Close & Poster Winner Presentations Per-Erik Strömstedt (<i>AstraZeneca</i>)

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Translating Scientific Ideas into Impactful Therapies
30 June - 1 July 2021



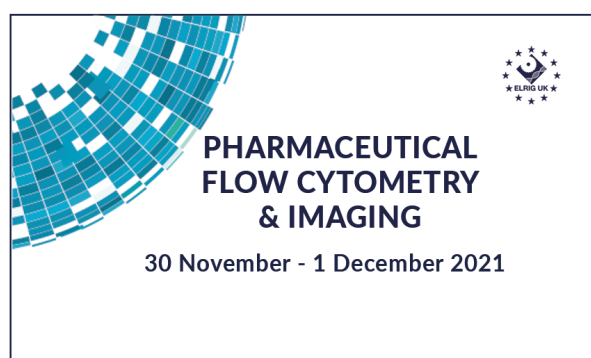
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DRUG DISCOVERY
Re-connect, Re-invent, Re-imagine
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PHARMACEUTICAL FLOW CYTOMETRY & IMAGING
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