



RESEARCH & TECHNOLOGY SERIES

10-11 OCTOBER 2019 - LONDON, UK

ADVANCES IN NOVEL CANCER TARGETS, BIOMARKER DETECTION AND LARGE MOLECULE IMMUNO-ONCOLOGY

100+ presentations from academia and industry
Panel discussions
Roundtable sessions

Poster presentations
7+ hours of dedicated networking time
Exhibition hall



Day One – 10th October

Antibodies for Oncology	Cellular Engineering	Strategy & Technology	Applications of TMB and neoantigen research	Techniques and Technologies
Reviewing antibody discovery and engineering techniques for next generation therapeutics	Autologous and allogenic t cell modification techniques The role of gene editing – reviewing	Advancements in fluidic systems	Utilising TMB as a predictive biomarker for the advancement of immunotherapy	Choosing the correct isolation and characterisation techniques for CTCs, ctDNA and exosomes
Techniques for designing bispecific antibodies	Approaches to generating CAR T-Cells	Flow control and advances in hydrodynamic and acoustic-assisted focussing	Optimising patient benefit whilst reducing toxicity risk	Amplification techniques for single use molecules and selective enrichment
Approaches for ensuring specificity	Considerations for engineering T Cell Receptor therapies	Reviewing staining and fluorescence techniques	Using TMB for patient selection for clinical trials	Detecting tumour-specific genetic aberrations: <ul style="list-style-type: none"> • qPCR and RT-PCR • Digital PCR and droplet digital PCR • NGS and RNA-Seq
Advancing T-Cell engager therapies The potential of bispecific antibody treatments for solid tumor cancers	Exploring the potential of novel formats: Natural Killer (NK) Cell therapy	Possibilities of isotope labelling Exploring the status of optical and detection technologies	The prognostic value; predicting survival and recurrence rates	Understanding ctDNA release: secretion and clearance
Other approaches to protein construction (DARPIN, heavy and light chain fusion, etc.)	CRISPR and TALENS as tools to advance immuno-oncology	Developing computational analysis and automation Approaches to integrating with image cytometry	Targeting neoantigens with immune checkpoint inhibitors	Bioinformatics and the standardisation of ctDNA analysis



Day Two – 11th October

Immuno-oncology formats	Case Studies & Strategies	Cellular Analysis & Applications in Oncology	Quantification of TMB and neoantigen load	Clinical Applications
Engineering novel antibody formats (TCR mimics, antibody fragments, and more)	Success case studies in blood cancers	Evaluating the use of flow cytometry in immuno-oncology research: improving drug design and the detection of new biomarkers and targets	Tools and technologies for identifying neoantigens and measuring TMB in human cancer	Liquid biopsy as a cancer screening tool for patient selection
Challenges in constructing antibodies targeting tumor inhibitory checkpoints	Overcoming the challenge of targeting solid tumors	Applying flow cytometry for determining cell characteristics and function	Next-Generation Sequencing (NGS)	Novel cancer biomarkers and companion diagnostics
Identifying new checkpoint biomarkers	Efficacy & safety considerations	Surface and interior protein expression analysis	Whole Exome Sequencing (WES)	Detection of minimal residual disease
Successes in inhibiting PD-1, PDL-1 and CTLA4	The regulatory landscape	Integrating with liquid biopsy technology for CTC detection	Comprehensive genomic profiling	Monitoring treatment response and drug resistance
		Advancing cell sorting	Calculating neoantigen load and the response to immunotherapies	Moving towards early disease stages
Exploring the role of combination therapies	Advancing to the clinic and public engagement	Applications in validating cell health and cell viability	Bioinformatic approaches to epitope identification and prediction	Using liquid biopsy in conjunction with tissue biopsy
Approaches to enhance efficacy			The importance of standardisation in TMB calculation	

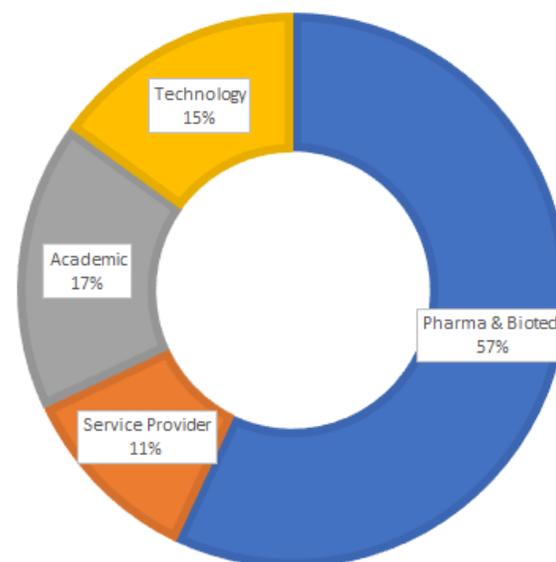
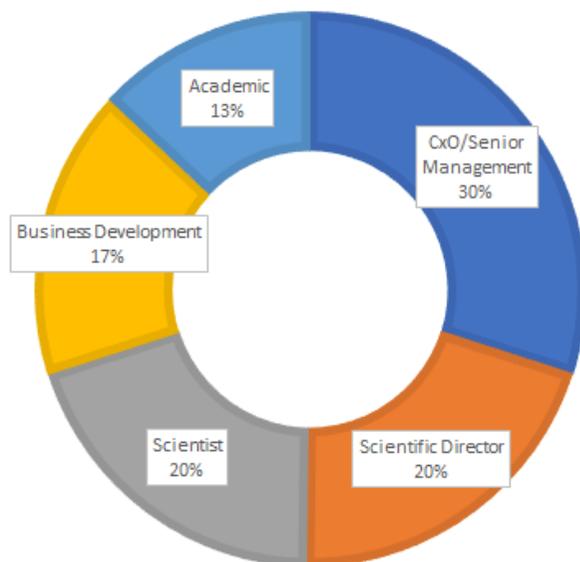
Further Information

SEE THE FULL AGENDA

The 5 conference tracks are in production and will be released soon. To be the first to see a copy of the agenda, sign up for updates at:

www.global-engage.com/event/research-technology-series/#newsletter-a

ATTENDEE PROFILE:



HOTEL ACCOMMODATION

Hotel accommodation will be available at a group rate. The venue will be announced shortly.

FREE RESOURCES

We have just started to load free resources and presentations onto, amongst others, our Precision Medicine and Biologics resources pages:

www.global-engage.com/resources/

SPONSORSHIP AND EXHIBITION OPPORTUNITIES AVAILABLE

For more details contact Tony Couch at

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www.global-engage.com/event/research-technology-series/