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Cytomos showcases groundbreaking new platform for advanced cell analytics at ISCT 2024

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Cytomos will be showcasing its novel technology at its kiosk in the Innovation Zone of the ISCT (Stand 5)



At this year's annual meeting of the International Society for Cell & Gene Therapy (ISCT), TechBio company Cytomos will be showcasing Celledonia™ – its flagship technology that utilises the company's patented AuraCyt™ platform and is set to revolutionise complex biologics.

Cytomos‘ AuraCyt™ platform closely monitors a broad range of cell features simultaneously and collects data on intrinsic cellular properties in near-real-time, delivering label-free, unbiased, consistent, accurate and reliable cell analytics. This has the potential to improve cell and gene therapies (CGTs) process control, which is key to increasing the speed and accuracy of decision-making, as well as enabling earlier predictions of failure or success, and signalling optimal time for various bioprocessing decisions such as harvest.

Cytomos will be showcasing its novel technology at its kiosk in the Innovation Zone of the ISCT (Stand 5), which takes place in Vancouver, Canada on 29 May to 1 June, 2024.

The ISCT conference is focused on the future of CGTs, with thought-provoking discussions and presentations involving esteemed CGT leaders from across the globe. This year’s sessions will include breakthroughs in the research, development and manufacturing of induced pluripotent stem cells (iPSCs), CAR-Ts, gene-edited extracellular vesicles (EVs), NK cells, and regulatory T cells (Tregs).

Highlighting Cytomos’ involvement at the cutting edge of CGT, Dr Fernanda Masri, the company’s Chief Commercial and Innovation Officer, and former Head of Innovation Manufacturing and Collaborations at CGT Catapult, will chair a panel discussion on “*Industry 4.0: The Future Role of Process Analytical Tools (PATs)”* on 29 May. Confirmed panellists for her session include renowned experts Stephen Ward (Chief Manufacturing Officer, CGTC), Jason Foster (CEO, Ori Biotech) and Phil Vanek (CTO, Gamma Biosciences).

Dr Masri will also participate in a panel discussion on the *“Current state and future directions of process analytical technologies in the CGT space”* on 29 May, and she will be speaking specifically about Cytomos’ flagship instrument Celledonia™ and how it enables scientists to easily turn data into actionable insights (*“Science and Innovation”* session) on 30 May. Cytomos will also be presenting the technology during the *Innovation Zone Pitch Session 2* on 31 May.

Cytomos CEO David Rigterink commented, “We are excited to provide a preview of Celledonia™ prior to its launch in June 2024. Cytomos has been building on its past decade’s deep tech R&D progress, and this new benchtop instrument will unlock exponential value for the CGT industry, enabling rapid decision making and process control. The technology fits into an evolving landscape of next-generation therapies that are driving the need for radical advances in PAT and in-process controls with near-real-time, automated capabilities.”

“ISCT connects global CGT experts and key opinion leaders from academia and industry, and it is a key event for thought provoking debates on addressing sector challenges and advancing CGTs, so it is the ideal place to showcase our new technology to end-users in the both the iPSC and CAR T cells space,” added Dr Fernanda Masri. “The true potential of these complex therapeutics is about to be unlocked by next generation technologies like Celledonia™ that overcome the limitations of conventional tools and provide simplicity whilst enhancing insight. We want to help revolutionise CGT processes thanks to insightful analytics, from development to manufacturing.”