**FUJIFILM Irvine Scientific Industry Educational Session**

**Tuesday 25 June 2024**
**12:40 – 13:40**
**Room – Lammermuir 1**

**Developing Optimal Cell Culture Media and Processes for Enhanced Biologics Production**

and therapies. Therefore, media development and optimization are a key area of focus for the biopharmaceutical industry to deliver therapies faster to market with reduced manufacturing cost.

Streamlining the development of biotherapeutic processes includes using the right media and understanding the relationship between media components, the cell culture process, and the final product.

In this presentation, we will highlight three areas of innovation that provide end-to-end cell culture media solutions for: CHO perfusion processes for mAbs production, high-throughput media formulation screening workflow tailored for human embryonic kidney 293 (HEK293), and the use of DMSO-free cryopreservation medium for successful preservation of a range of primary cells and cell lines.

You will discover:

- How to improve productivities with a rationale designed perfusion medium in a continuous steady-state tabletop bioreactor without maintaining peak cell densities.
- How to design and implement a customizable, streamlined process for the development of cell culture media to facilitate the production of desired biological products in diverse cell lines.
- How to achieve media design and optimization using high-throughput screening methods while reducing time and cost.

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