

Optimized Cell Culture for Quality Metabolic Data



25 Jul 2023 (Tuesday), 10-12pm



NTU SBS Building, Classroom 2 (CR2)



Register

Tips and tricks for Cell culture

Cell culture techniques and optimization are essential components in numerous research fields, including cell biology, drug discovery, tissue engineering, and biotechnology. This seminar aims to facilitate the exchange of knowledge, experience, and insights pertaining to diverse facets of cell culture. The objective is to enhance participants' laboratory skills and improve the outcomes of their experiments. The seminar will cover fundamental concepts, emphasize best practices to minimize contamination risks, and provide guidance on selecting appropriate media and reagents tailored to individual research requirements.

Speaker:

Chong Da TAN, PhD, *Lead Field Application Specialist, Cell Culture & Cell Therapy – ASEAN, Cytiva*

Exploring Cellular Metabolism with Agilent Seahorse XF

Cellular metabolism plays a fundamental role in a wide range of biological processes, from energy production, nutrient utilization to disease progression. Understanding the intricate metabolic pathways within cells has become crucial for unravelling the underlying mechanisms of various diseases and identifying potential therapeutic targets.

Agilent Seahorse XF technology offers a powerful and comprehensive approach to studying cellular bioenergetics. With the capability to simultaneously measure two major energy producing pathways - mitochondrial respiration and glycolysis of live cells in real time, Seahorse XF technology can provide valuable insights on cellular metabolic profile.

For this seminar, we will provide a comprehensive overview of the Agilent Seahorse XF technology and the key applications in various research domains, including cancer biology, immunology, neurobiology, and drug discovery.

Speaker:

Chin Chieh LOH (JJ), *Cell Analysis Field Application Scientist, Agilent Technologies Singapore (Sales) Pte. Ltd.*