Abnormal cellular bioenergetics is central to the pathophysiology of obesity, diabetes, cancer, neurodegenerative and cardiovascular disease. Yet the ability to measure bioenergetics in vitro, quickly and reliably continues to be a key challenge for researchers.

Seahorse Bioscience will be presenting a 60-minute seminar on how Extracellular Flux (XF) allows you to quantify physiological changes in cellular bioenergetics by measuring the two major energy yielding pathways, mitochondrial respiration and glycolysis, in a sensitive and convenient microplate format.

Seahorse scientists will present customer data showing the ability of XF technology to profile:

- **Mitochondrial Function**
  - uncoupled and coupled respiration rate & capacity
- **Energy Expenditure**
  - energy pathway utilization and ATP turnover
- **Substrate Utilization**
  - catabolization of carbon sources
- **Cell Health**
  - viability, reproducibility and functionality of cells