



UPCOMING SEMINAR

Mitochondrial Function or Dysfunction?

When: 4 to 5 pm, Wednesday 28th July

Where: Large Conference room, Kerry Packer Building,
Kids Research Institute, Children's Hospital at Westmead

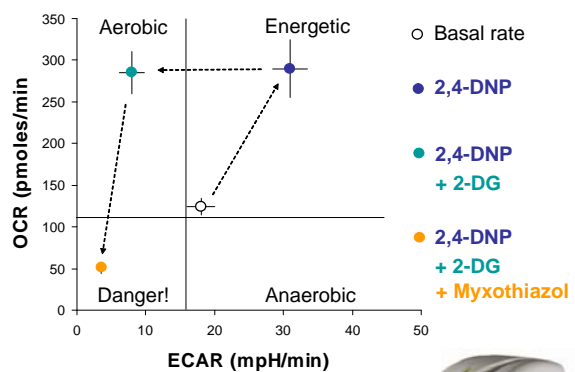
Abnormal cellular bioenergetics is central to the pathophysiology of obesity, diabetes, cancer, neurodegenerative and cardiovascular disease. Yet the ability to measure bioenergetics *in vitro*, quickly and reliably continues to be a key challenge for researchers.

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

Seahorse Bioenergetics Chart



 **Seahorse Bioscience**