

PDB

## Oxygen Physiology and Respirometry in Biomedical Research

Euclides Pires Auditorium, UC-Biotech, Cantanhede

June 27<sup>th</sup>

2025



Physoxia D<sub>2</sub> InVivO2

Practical sessions

soquímica 🛛 Baker 🛴 Lucid Scientific

**Proteomics Applications** 

Mandatory Registration

**Free of Charge** 





Agilent



**Oxygen Physiology and Respirometry** in **Biomedical Research** June 27<sup>th</sup>, 2025

## Program

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9:30-10:00	Registration
10:00-10:10	Opening session   Organizing Committee
10:10-10:30	From normoxia to physoxia – Considerations for cell culturing
	in biomedical research   Petra Miikkulainen, PhD, Baker
10:30-10:50	Real-Time, Long-Term OCR Monitoring for Deeper
	Insights   Shaobin Mike Lu, PhD, Lucid Scientific, Inc
10:50-11:45	Seminar: High-resolution respirometry and redox biology -
	NADH and Coenzyme Q   Erich Gnaiger, PhD, Oroboros
11:45-12:00	Coffee Break
12:00-12:30	How Seahorse cell analysis technology measures both
	respiration and glycolysis in live cells   Nick Howe, Agilent
12:30-13:00	MSCs proteomics profiling under normoxia and physioxia
	Inês Caramelo, PhD, CIBB, III
13:00-14:00	Lunch
14:00-14:25	How Seahorse cell analysis technology measures both
	respiration and glycolysis in live cells – Part II   Nick Howe, Agilent
14:25-14:45	General Discussion
14:45-17:00	Practical session/Demo:
	- Seahorse (Running assay + Data analysis from June 26th)
	- InVivO2
17:00-19:00	Sun-set: Soft-drinks and interaction with all participants

Organizing Committee: Bruno Manadas | José Teixeira | Luís F. Grilo | Paulo J. Oliveira



SOLUTION SOQUÍMICA Baker Lucid Scientific



