King’s College London Physiological Oxygen Training Workshop

School of Cardiovascular Medicine & Sciences, Franklin-Wilkins Building,
150 Stamford Street, London SE1 9NH

Programme

Introductory Lectures – Room 3.146, 3rd Floor Franklin-Wilkins Building

9:30 – 9:45ari
Prof Giovanni E. Mann – Welcome

9:45 – 10:10
Andrew Skinn, Founder and Director of Ruskinn Technology
‘Physiological oxygen: a passion for innovation’

10:10 – 10:30
Catherine Wark, Senior Applications Scientist, BMG Labtech, UK
‘Cutting edge gas control in high performance microplate reader with LVF monochromators’

10:30 - 11:00
Dr Richard Fernandes, CEO Luxcel Biosciences, Ireland
‘Measuring cellular oxygenation and metabolism in vitro’

11:00 - 11:30
Dr Thomas Keeley, BHF Centre of Research Excellence, King’s College London, UK
‘Defining physiological normoxia in cell physiology in vitro for translation to animal models and man’

11:30 – 11:45
Prof Giovanni E. Mann, BHF Centre of Research Excellence, King’s College London, UK
‘PromoCell cell culture under physiological normoxia’

11:45 – 12:45
Lunch and informal discussion

Hands-on laboratory training using Baker-Ruskinn workstations and BMG Labtech plate reader – Lab 3.26

12:45 – 16:00
Dr Thomas Keeley, BHF Centre of Research Excellence, King’s College London, UK
Performing cell culture in Sci-tee and InVivo workstations under defined ambient O2 levels
Measurements of intracellular O2 levels in live cells using MitoXpress® Intra in a CLARIOstar O2 regulated plate reader

Keynote Workshop Seminar – Room 3.52, 3rd Floor Franklin-Wilkins Building

16:00 – 17:00
Prof Prem Kumar, Institute of Clinical Sciences, University of Birmingham, UK
‘Oxygen sensing in vitro and in vivo’

17:00 – 17:15
Prof Giovanni E. Mann – Closing comments and questions

17:15 – 18:00
Refreshments and discussion with speakers

We gratefully acknowledge support-in-kind from our R&D collaborators

Map of Waterloo Campus: https://www.kcl.ac.uk/study/campus/waterloo.aspx