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 – 9:45	**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-tive and InVivo workstations under defined ambient O_2 levels Measurements of intracellular O_2 levels in live cells using MitoXpress® Intra in a CLARIOstar O_2 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

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