King’s College London 3rd Physiological Oxygen Training Workshop on 9 April 2018
School of Cardiovascular Medicine & Sciences, Franklin-Wilkins Building, 150 Stamford Street, London SE1 9NH

Programme

Introductory Lectures – Room 2.40, 2nd 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                Oliver Carney, Senior Applications Scientist, BMG Labtech, UK
                              ‘Cutting edge gas control in high performance microplate reader with LVF monochromators’
10:30 – 11:00                Richard Fernandes, CEO Luxcel Biosciences, Ireland
                              ‘Measuring cellular oxygenation and metabolism in vitro’
11:00 – 11:30                Kara Held, Baker-Ruskinn, Sanford, Maine, USA
                              ‘How to better mimic cell physiology’
11:30 – 11:45                Giovanni E. Mann, BHF Centre of Research Excellence, King’s College London, UK
                              ‘Defining physiological normoxia in vitro for translation to animal models and man’
11:45 – 12:45                Lunch and informal discussion

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

13:00 – 15:00                Sarah J. Chapple, Gabriela Warpsinski, BHF Centre of Research Excellence, King’s College London, UK
                              Performing cell culture in Sci-tive 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 2.40, 3rd Floor Franklin-Wilkins Building

15:00 – 16:00                Prof Michael Duchen, University College London, UK
                              ‘Mitochondrial pathways as therapeutic targets in human disease’
16:00 – 16:15                Prof Giovanni E. Mann – Closing comments
16:15 – 17:15                Refreshments and discussion with speakers

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

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