



## King's College London Physiological Oxygen Training Workshop

### Programme

#### Introductory Lectures

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| 9:30 – 9:45   | <b>Prof Giovanni E. Mann</b> – Welcome  |
| 9:45 – 10:10  | <b>Andrew Skinn</b> , Founder and Director of Ruskin Technology – Physiological oxygen: a passion for innovation  |
| 10:10 – 10:30 | <b>Catherine Wark</b> , Senior Applications Scientist, BMG Labtech<br>'Cutting edge gas control in a high performance microplate reader with LVF monochromators'                  |
| 10:30 - 11:00 | <b>Dr James Hynes</b> , Head of Research & Development, Luxcel Biosciences 'Measuring cellular oxygenation and metabolism <i>in vitro</i> '                                       |
| 11:00 - 11:30 | <b>Dr Thomas Keeley</b> , BHF Centre of Research Excellence, KCL<br>'Defining physiological normoxia in cell physiology <i>in vitro</i> for translation to animal models and man' |
| 11:30 – 11:45 | <b>Prof Giovanni E. Mann</b> , BHF Centre of Research Excellence, KCL<br>'PromoCell cell culture under physiological normoxia'  |
| 11:45 – 12:45 | Lunch and informal discussion   |

#### Hands-on laboratory training using Baker-Ruskin workstations and BMG Labtech plate reader

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| 12:45 – 16:00 | <b>Dr Thomas Keeley</b> - Performing cell culture in dual Sci-tive and InVivo workstations under defined ambient O <sub>2</sub> levels<br><br>Measurements of intracellular O <sub>2</sub> levels in live cells using MitoXpress® Intra in a CLARIOstar O <sub>2</sub> regulated plate reader |
| 16:00 – 17:00 | Keynote Seminar<br><br><b>Prof Chris Peers</b> , Leeds Institute Cardiovascular & Metabolic Medicine, Univ. Leeds, UK<br>'Oxygen sensing <i>in vitro</i> and <i>in vivo</i> : insights for ion channel regulation'  |
| 17:00 – 17:15 | <b>Prof Giovanni E. Mann</b> – Closing comments and questions   |
| 17:15 – 18:00 | Refreshments and discussion with speakers   |

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

