



## 5<sup>th</sup> Physiological Oxygen and Metallomics Workshop – 25 September 2019

School of Cardiovascular Medicine & Sciences  
King's College London, 150 Stamford Street, London SE1 9NH

### Introductory Lectures – Franklin-Wilkins Building

09:30 – 09:45	Arrival and Registration
09:45 – 09:55	<b>Welcome - Dr Richard Siow</b> , School of Cardiovascular Medicine & Sciences, KCL
10:00 – 10:20	<b>Prof Giovanni Mann</b> , School of Cardiovascular Medicine & Sciences, KCL 'Defining physiological normoxia in cell physiology for improved clinical translation'
10.20 - 10.40	<b>Dr Krista Rantanen</b> , Director of Scientific Applications, Baker-Ruskinn 'Oxygenie: an innovative, portable O <sub>2</sub> -regulated 'incubator' enabling cell imaging'
10:40 - 11:00	<b>Oliver Carney</b> , Applications Scientist, BMG Labtech 'Cellular oxygenation and metabolism <i>in vitro</i> using BMG O <sub>2</sub> regulated plate readers'
11:00 – 11:20	<b>Dr Theodora Stewart</b> , London Metallomics Facility, King's College London 'Integrating multi-dimensional metal analytics for <i>in situ</i> metallomic imaging'
11:20 – 11:40	<b>Dr Matthew Smith</b> , School of Cardiovascular Medicine & Sciences, KCL 'Do alterations in oxygen influence metal fingerprints in cultured vascular cells?'
11.40 - 12:00	<b>Concluding remarks – Dr Richard Siow</b> , KCL <b>Andrew Skinn</b> – Founder and Director, Ruskinn Technology
12.00 - 13.00	Lunch and informal discussion

### Hands-on training using Baker-Ruskinn workstations, Oxygenie and BMG Labtech plate reader

13:00 – 15:30	<b>Physiological Oxygen Facility</b> Dr Matthew Smith & Gaby Warpsinski (King's College London) Dr Krista Rantanen & Adrian Grant (Baker Ruskinn) Oliver Carney & Manoja Rasamanikkam (BMG Labtech) Ahunna Onyenso (Lonza UK) - Demonstration of Lonza equipment & kits
	<b>London Metallomics Facility Demonstration</b> Dr Theodora Stewart and Charlie Beales (King's College London)
15:30 - 16:00	Coffee / Tea Break - Franklin-Wilkins Building

### Keynote Lecture – Franklin-Wilkins Building

16:00 – 16:45	<b>Dr Alison Brewer</b> , School of Cardiovascular Medicine & Sciences, KCL 'Dynamic regulation of epigenetic demethylation by oxygen availability'
16:45 – 17:30	Refreshments and discussion with speakers

We gratefully acknowledge support from HRUK, BHF and our R&D collaborators

