5th Physiological Oxygen and Metallomics Training Workshop – 25 September 2019
School of Cardiovascular Medicine & Sciences
King’s College London, 150 Stamford Street, London SE1 9NH

Introductory Lectures – 3rd Floor Franklin-Wilkins Building (Rm to be confirmed)

09:30 – 09:45  Arrival and Registration
09:45 – 09:55  Welcome   Dr Richard Siow – King’s College London
10:00 – 10:20  Prof Giovanni Mann, School of Cardiovascular Medicine & Sciences, King’s College London
‘Defining physiological normoxia in cell physiology for improved clinical translation’
10.20 - 10.40 Dr Krista Rantanen, Director of Scientific Applications, Baker-Ruskinn
‘Oxygiene: an innovative, portable O₂-regulated ‘incubator’ enabling cell imaging’
10:40 - 11:00 Catherine Wark, Senior Applications Scientist, BMG Labtech
‘Cellular oxygenation and metabolism in vitro using BMG O₂-regulated plate readers’
11:00 – 11:20 Dr Theodora Stewart, London Metallomics Facility, King’s College London
‘Integrating multi-dimensional metal analytics for in situ metallomic imaging’
11:20 – 11:40 Dr Matthew Smith, School of Cardiovascular Medicine & Sciences, King’s College London
‘Do alterations in oxygen influence metal fingerprints in cultured vascular cells?’
11:40 - 12:00 Concluding remarks – Dr Richard C.M. Siow, King’s College London
Andrew Skinn – Founder and Director of Ruskinn Technology
12.00 - 13.00 Lunch and informal discussion

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

13:00 – 15:30 Dr Krista Rantanen and Catherine Wark
Physiological Oxygen Facility, King’s College London
Cell culture under defined O₂ levels in Baker Ruskinn Sci-tive and InVivo workstations
Dr Theodora Stewart and Bill Spence
London Metallomics Facility Demonstration, King’s College London
15:30 - 16:00 Coffee / Tea Break - Floor Franklin-Wilkins Building

Keynote Lecture – 3rd Floor Franklin-Wilkins Building (Rm to be confirmed)

16:00 – 16:45 Dr Alison Brewer, School of Cardiovascular Medicine & Sciences, King’s College London
‘Dynamic regulation of epigenetic demethylation by oxygen availability’
16:45 – 17:30 Refreshments and discussion with speakers

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