



Preliminary Programme

KNO₂WLEDGE V

May 11th – 12th 2010

The Royal Society of Medicine, 1 Wimpole Street, London W1G 0AE

DAY 1:	<i>Tuesday May 11th 2010</i>
SESSION 1:	INTRODUCTION
9.00-9.30	John West: Research at altitude: a historical prospective
9.30-10.00	Mike Grocott: Caudwell Xtreme Everest: Aims and introduction
10:00-10:30	COFFEE
SESSION 2:	OXYGEN DELIVERY
10:30-11:00	Jim Milledge: The history of oxygen delivery at altitude
11:00-11:30	Dan Martin: Arterial oxygen content and oxygen delivery
11:30-12:00	Can Ince: The microcirculation at altitude
12:00-13:00	LUNCH
SESSION 3:	EXERCISE
13:00-13:30	Paolo Ceretelli: The history of exercise physiology at altitude
13:30-14:00	Denny Levett: The lactate threshold and efficiency
14:00-14:30	Brian Whipp: Limitations to exercise at altitude
14:30-15:00	COFFEE
SESSION 4:	SKELETAL MUSCLE
15:00-15:30	Hans Hoppeller: Structural changes in the muscle at altitude
15:30-16:00	Andrew Murray: Cellular metabolic changes at altitude
16:00-16:30	TBA: Muscle proteomics on exposure to hypoxia
16:30-17:30	PLENARY LECTURE: TBA
DAY 2:	<i>Wednesday 12th May 2010</i>
SESSION 1:	METABOLISM
09:00-09:30	TBA: Skeletal Muscle MRS
09:30-10:00	Kieran Clarke: Cardiac muscle magnetic resonance spectroscopy
10:00- 10:30	Martin Feelisch: Nitrate, nitrite and performance at altitude
10:30-11:00	COFFEE
SESSION 2:	THE BRAIN
11:00-11:30	Mark Wilson: Neurophysiological changes at altitude
11:30-12:00	Chris Imray: Cerebral blood flow at altitude
12:00-12:30	Jan Stygal: Neurocognitive changes on ascent to altitude

12:30-13:30 LUNCH

SESSION 3:

MISC

13:30-14:00 Mike Stroud: Weight, body composition and nutrition at altitude

14:00-14:30 Erik Swenson: Pulmonary function at altitude

14:30-15:00 TBA