

**Warwick Medical School 2nd International Symposium on
Advances in Human Metabolism Research**

Training Workshop: 'Energetics: from eukaryotes to man'

**Scarman House, University of Warwick, UK
and
Clinical Sciences Building, University Hospitals Coventry and Warwickshire, UK
17 May 2013**

8.00	REGISTRATION, COFFEE
8.15	Welcome Professor Victor Zammit, Warwick Medical School, UK
8.30	Mitochondrial diagnosis Professor Orián Shirihai, Boston University School of Medicine, USA
9.15	Cellular Bionergetics Professor David Nicholls, Buck Institute for Research on Aging, USA
10.00	Probing the insulin sensitivity of skeletal muscle cells with Seahorse extra cellular flux technology Dr Charles Affourtit, Plymouth University, UK
10.50	TRANSPORT TO CLINICAL SCIENCES BUILDING, UHCW, COVENTRY
11.15	Introduction to the XFe Wave Software Experimental design for intact cells, isolated mitochondria and permeabilized cells using the Seahorse XF Stress Test kits and Reagents Dr Alex Liversage, Seahorse Bioscience, UK
12.00	PRACTICAL SESSION: Running an experiment using adherent cells on the XF24 analyser
13.00	LUNCH
13.40	Tour of HMRU (optional) Dr Tom Barber, Warwick Medical School & University Hospitals Coventry and Warwickshire, UK
14.00	Assay Optimizations – Key items to ensure XF Assay success Dr Alex Liversage, Seahorse Bioscience, UK
15.30	COFFEE and QUESTIONNAIRE
16.00	One-on-one session: Consulting participants about their specific needs for research projects
17.00	CLOSING REMARKS