

Vitamin D: Analytical and Clinical Stories

Lecture Theatre 408, 3rd Floor, Dept. of Electrical and Electronic Engineering,
Imperial College, South Kensington Campus, SW7 2AZ

Thursday 7th July 2016

9.30-10.05 Registration

Morning Session: Chair Dr. Emma Walker

10.05-10.15 Welcome and Introduction

10.15-10.50 25-Hydroxyvitamin D assay performance
Graham Carter, DEQAS Organiser, Imperial College Healthcare NHS Trust

10.50-11.25 VDSP- standardization issues with 25-OHD
Prof Christopher Sempos, VDSP Director, Office of Dietary Supplements, NIH, Bethesda

11.25-12.00 What can we learn from measuring 24,25-(OH)₂D₃?
Prof Glenville Jones, Dept of Biomedical & Molecular Sciences, Queen's University Kingston, Ontario

12.00-13.00 Lunch

1st Afternoon Session: Chair Dr Jacqueline Berry

13.00-13.35 The vitamin D metabolome: analysis of multiple vitamin D metabolites in serum & tissue
Prof Martin Hewison, Dept. of Molecular Endocrinology, University of Birmingham

13.35-14.10 Free 25-OHD and physiology of Vitamin D Binding Proteins
Dr. Inez Shoenmakers, Senior Investigator Scientist, MRC Human Nutrition Research, Cambridge

14.10-14.45 Measurement of vitamin D binding protein and its' isoforms by LC-MS/MS
Dr. Karen Phinney, Leader, Bioanalytical Science Group, Biomolecular Measurement Division, NIST

14.45-15.15 Tea

2nd Afternoon Session: Chair Graham Carter

15.15-15.50 Vitamin D Requirements for the UK: Deliberations and Decisions from SACN
Prof Susan Lanham-New, Head of the Dept. of Nutritional Science, University of Surrey

15.50-16.25 Vitamin D in under-researched population groups: the ODIN approach.
Prof. Mairead Kiely, Professor of Human Nutrition, University College Cork

16.25-17.00 Maternal vitamin D supplementation during pregnancy.
Prof Cyrus Cooper, Director, MRC Lifecourse Epidemiology Unit, University of Southampton

17.00-17.10 Closing Remarks

17.10 Drinks Reception