

## **Vitamin D: Analytical and Clinical Stories**

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

**Thursday 7<sup>th</sup> 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)<sub>2</sub>D<sub>3</sub>?  
*Prof Glenville Jones, Dept of Biomedical & Molecular Sciences, Queen's University Kingston, Ontario*

**12.00-13.00 Lunch**

**1<sup>st</sup> 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**

**2<sup>nd</sup> 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**



*CPD points are self-accredited*