**FRCPath Genomics/Omics Training Day - November 8th 2018**

**Glenister Lecture Theatre, Charing Cross Campus, W6 8HA**

**To register please use the link: https://www.surveymonkey.co.uk/r/56CQBCP**

9:35 – 9:45 **Welcome and Introduction**

Prof Tricia Tan, Consultant in Endocrinology and Metabolic Medicine. Imperial College Healthcare NHS Trust

9:45 – 10:00 **MSc genomic medicine – what it can offer you**

Dr Louise Blakemore, Senior Teaching Fellow, Imperial College & Dr Julia Kenkre, Chemical Pathology/Metabolic Medicine trainee Imperial College Healthcare NHS Trust

10:00 – 10:55 **Current Whole Genome Sequencing technologies**

Dr Mick Jones, Reader in Molecular Medicine, Imperial College

10:55 – 11:10 Coffee break

11:10-11:50 **100,000 genomes project and the new genomic medicine service in the NHS**

Dr Ellen Thomas, Consultant clinical geneticist, Imperial College Healthcare NHS Trust

11:50 – 12:30 **Assigning pathogenicity to genetic variants of unknown significance**.

Dr Shivani Misra, Consultant in Chemical Pathology (Metabolic Medicine), Imperial College Healthcare NHS Trust

12:30 – 13:15 **Lunch break**

13:15 - 14:00 **Familial hypercholesterolaemia**

Dr Jaimini Cegla, Consultant in Chemical Pathology (Metabolic Medicine), Imperial College Healthcare NHS Trust

14:00 – 14:40 **Understanding the genetics of phaechromocytoma**

Dr Ruth Casey,  Cambridge University Hospital NHS Foundation Trust.

14:40-15:00 Tea break

15:00 – 15:40 **Studying the metabolome: techniques and applications**

Dr Matt Lewis, Director of Metabolic Profiling, MRC-NIHR National Phenome Centre

15:40 – 16:20 **Cell free DNA and Non-Invasive Prenatal Testing**

Sandra Moore, Clinical Scientist, Great Ormond Street Hospital

16:20 - 16:30 **Close and feedback**