V1Draft Programme

Wednesday, 25 November 2020

11:30-12:30   Registration and Lunch
              Conference Centre Forum

12:30-12:45   Welcome and Introduction
              Rosalind Franklin Pavilion
              David Kelsell
              Queen Mary University of London, UK

12:45-14:45   Session 1: Introduction to DNA and Genomics
              Chair: David Kelsell, Queen Mary University of London, UK

12:45         Gene expression and regulation - Analysis of the transcriptome
              Hans Hennies
              University of Huddersfield, UK

13:45         Introduction to the Human Genome
              Andrew Read
              University of Manchester, UK

14:45– 15:15  Afternoon Tea

15:15– 17:15  Session 2: Genetic Variation
              Chair: Neil Rajan, Newcastle University, UK

15:15         Variation in the human genome
              Sara Brown
              University of Dundee, UK
16:15 Understanding psoriasis genetics and implications for patient management  
Catherine Smith  
King’s College London, UK

17:15-17:30 Comfort Break

17:30-18:45 Lightning talks (2 min short presentation)  
Chair: Neil Rajan, Newcastle University, UK

18:45 Welcome Drinks

19:15 Dinner

19:00 Cash Bar

Thursday, 26 November 2020

07:30-08:45 Breakfast  
Hall Restaurant

09:00-11:00 Session 3: Epigenetics  
Chair: Neil Rajan, Newcastle University, UK

09:00 Introduction to Epigenetics  
Enikő Sonkoly  
Karolinska Institute, Sweden

10:00 MicroRNAs in skin homeostasis and inflammation  
Enikő Sonkoly  
Karolinska Institute, Sweden

11:00-11:30 Morning coffee

11:30-13:30 Session 4: Gene function  
Chair: Sara Brown, University of Dundee, UK

11:30 Mosaicism in Dermatology  
Veronica Kinsler  
Great Ormond Street Hospital for Children, UK

12:30 Zebrafish models of mosaic syndromes and melanoma  
Liz Patton  
University of Edinburgh, UK
13:30-14:30 Lunch

14:30-16:30 Session 5: Molecular mechanisms of disease
Chair: Edel O’Toole, Queen Mary University of London, UK

14:30 Beyond gene discovery in monogenic skin disorders
David Kelsell
Queen Mary University of London, UK

15:30 Genetic drivers in familial skin tumours
Neil Rajan
Newcastle University, UK

16:30-17:00 Afternoon Tea

17:00-19:00 Session 6: GWAS and Bioinformatics
Chair: Sara Brown, University of Dundee, UK

17:00 Linking non-coding GWAS variants to impaired immune system
Gosia Trynka
Wellcome Sanger Institute, UK

18:00 Workshop
Gosia Trynka
Wellcome Sanger Institute, UK

19:00-19:30 Pre dinner drinks

19:30 prompt Course dinner
Hall Restaurant

19:30 Cash Bar

Friday, 27 November 2020

07:30-08:45 Breakfast
Hall Restaurant

09:00-11:00 Session 7: Monogenic skin disease
Chair: David Kelsell, Queen Mary University of London, UK

09:00 Elucidation of monogenic hair disorders
Regina Betz
University of Bonn, Germany
10:00  Interesting cases from 100K Genomes
   Edel O’Toole
   Queen Mary University of London, UK

11:00 -11:30  Morning coffee - Group photograph in the Conference Centre Forum

11:30-13:30  Session 8: State of the art technologies
   Chair: Neil Rajan, Newcastle University, UK

   11:30  Single cell sequencing and the skin
   Marta Polak
   University of Southampton, UK

   12:30  The 100,000 Genomes Project and its legacy in clinical genomics
   Ellen Thomas
   Genomics England, UK

13.30-14:30  Lunch

14.30-15:00  Quiz/consolidation of learning
   Neil Rajan, Newcastle University, UK
   Sara Brown, University of Dundee, UK

15:00-16:00  Keynote speaker
   Introduced by Edel O’Toole, Queen Mary University of London, UK

   Insights from the Human Cell Atlas
   Fiona Watt
   King’s College London, UK

16:00-16:15  Closing Remarks
   Edel O’Toole, Queen Mary University of London, UK

16:30  Return shuttle to Cambridge Train Station and City Centre