

Genomic Practice for Genetic Counsellors

Wellcome Genome Campus
Hinxton, Cambridge, UK

3 - 5 February 2020

Draft Programme

Monday 3 February

11:00 – 11:00	Registration with coffee
11:30 – 12:00	Welcome and introduction to the course
12:00 – 13:45	<p>Session 1: The role of genomics in healthcare</p> <p>The role in the NHS <i>Nicki Taverner Cardiff University and All Wales Medical Genetic Service, UK</i> <i>Catherine Houghton Liverpool Women's NHS Foundation Trust, UK</i></p> <p>Outside the NHS <i>Gemma Chandratillake</i> <i>University of Cambridge, UK</i></p> <p>An international perspective – Melbourne Genomics Health Alliance <i>Lyndon Gallacher</i> <i>Victorian Clinical Genetics Service, Australia</i></p> <p>Q&A with speakers</p>
13:45 – 14:45	Lunch
14:45 – 16:00	<p>Session 2: Variant interpretation</p> <p>Introduction to a genome browser <i>Gemma Chandratillake</i> <i>University of Cambridge, UK</i></p> <p>Variant interpretation: going from millions to one of interest that could be the answer <i>Helen Firth</i> <i>Cambridge University Hospitals, UK</i></p>

16:00 – 16:20 **Afternoon tea**

16:20 – 18.20 **Workshop: Variant interpretation using DECIPHER {and other approaches}**
Julia Foreman
WSI, UK
+ *Gemma Chandratillake*
University of Cambridge, UK

18:29 – 19:00 Consolidating learning for Day 1, Q+A
Led by programme committee

19:00 **Dinner**

Tuesday 4 February

09:00 – 10:00 **Session 3: Cancer genomics**

Cancer Genomics: bridging from the tumour to the germline in variant interpretation
Clare Turnbull
The Institute of Cancer Research, UK

10:00 – 12:00 **Workshop: Cancer variant interpretation**
Heather Pierce
Cambridge University Hospitals, UK

12:00 – 13:00 Functional studies – when is a variant pathogenic?
Nicki Taverner
Cardiff University and All Wales Medical Genetic Service, UK

13:00 – 14.00 **Lunch**

14:00 – 15:00 **Session 4: Testing in the real world**

Clinical genomics, acute care diagnostics and undiagnosed disease programmes in Melbourne, Australia
Lyndon Gallacher
Victorian Clinical Genetics Service, Australia

15:00 – 16:00 Pharmacogenetics and (Future) Clinical Practice
Richard Turner
University of Liverpool, UK

16:00 – 17:00 Genetic counselling to Genomic Counselling: 100,000 Genomes and beyond
Chris Patch
Genomics England, UK

17:00 – 17:45 Consolidating learning for Day 2, Q+A
Led by programme committee

17:45 – 18:30 Free time

18:30 – 19:00 **Pre-dinner drinks**

19:00 **Course Dinner**

Wednesday 5 February

07:30 – 09.00 **Breakfast**

09:00 – 10:00 Session 5: Cardiac genomics

Cardiac genomics
Colleen Caleshu
Stanford University, USA

10:00 – 10:30 **Morning Coffee**

10:30 – 12:30 Workshop: cardiac genetics

Colleen Caleshu
Stanford University, USA

12:30 – 12:45 **Group Photo**

12.45 – 13:45 Lunch

13:45 – 14:30 **Direct-to-Consumer testing – a primary care perspective**

Imran Rafi
St George's, University of London, UK

14:30 – 15:15 The role of GCs in the genomic era - MDTs, practice development etc.
Led by Programme Committee

15:15 – 15:45 **Next steps: applying what you have learned on this course**

Format: Panel discussion Q&A session

Led by Programme Committee

15:45 **Course wrap-up, closing comments**

16:00 **Coach depart to Cambridge Station and City Centre**