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  Session 1: The role of genomics in healthcare

The role in the NHS
Nicki Taverner Cardiff University and All Wales Medical Genetic Service, UK
Catherine Houghton Liverpool Women’s NHS Foundation Trust, UK

Outside the NHS
Gemma Chandratilake
University of Cambridge, UK

An international perspective – Melbourne Genomics Health Alliance
Lyndon Gallacher
Victorian Clinical Genetics Service, Australia

Q&A with speakers

13:45 – 14:45  Lunch

14:45 – 16:00  Session 2: Variant interpretation

Introduction to a genome browser
Gemma Chandratilake
University of Cambridge, UK

Variant interpretation: going from millions to one of interest that could be the answer
Helen Firth
Cambridge University Hospitals, UK
<table>
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<tr>
<th>Time</th>
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<tr>
<td>16:00 – 16:20</td>
<td>Afternoon tea</td>
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<tr>
<td>16:20 – 18:20</td>
<td>Workshop: Variant interpretation using DECIPHER (and other approaches) Julia Foreman WSI, UK + Gemma Chandratillake University of Cambridge, UK</td>
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<td>18:29 – 19:00</td>
<td>Consolidating learning for Day 1, Q+A Led by programme committee</td>
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<td>19:00</td>
<td>Dinner</td>
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**Tuesday 4 February**

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<th>Time</th>
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<tr>
<td>09:00 – 10:00</td>
<td>Session 3: Cancer genomics</td>
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<td>Cancer Genomics: bridging from the tumour to the germline in variant interpretation Clare Turnbull The Institute of Cancer Research, UK</td>
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<td>10:00 – 12:00</td>
<td>Workshop: Cancer variant interpretation Heather Pierce Cambridge University Hospitals, UK</td>
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<td>12:00 – 13:00</td>
<td>Functional studies – when is a variant pathogenic? Nicki Taverner Cardiff University and All Wales Medical Genetic Service, UK</td>
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<td>13:00 – 14:00</td>
<td>Lunch</td>
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<td>14:00 – 15:00</td>
<td>Session 4: Testing in the real world</td>
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<td>Clinical genomics, acute care diagnostics and undiagnosed disease programmes in Melbourne, Australia Lyndon Gallacher Victorian Clinical Genetics Service, Australia</td>
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<td>15:00 – 16:00</td>
<td>Pharmacogenetics and (Future) Clinical Practice Richard Turner University of Liverpool, UK</td>
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<td>16:00 – 17:00</td>
<td>Genetic counselling to Genomic Counselling: 100,000 Genomes and beyond Chris Patch Genomics England, UK</td>
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<td>17:00 – 17:45</td>
<td>Consolidating learning for Day 2, Q+A Led by programme committee</td>
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<td>17:45 – 18:30</td>
<td>Free time</td>
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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