## Wednesday 5 December 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
</tr>
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<tbody>
<tr>
<td>12:00-13:00</td>
<td>Registration with lunch</td>
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<tr>
<td>13:00-13:15</td>
<td>Welcome and introduction</td>
<td>Chair: Colin Hill, University College Cork, Ireland</td>
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<td>13:15-14:15</td>
<td>Keynote lecture</td>
<td>Chair: Colin Hill, University College Cork, Ireland</td>
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<td>13:15-14:15</td>
<td>Systems ecology of the human microbiome: which functions are key in</td>
<td>Paul Wilmes, University of Luxembourg, Luxembourg</td>
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<td>host-microbe interactions?</td>
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<td>14:15-15:45</td>
<td>Session 1: Translation between model organisms to humans</td>
<td>Chair: Julian Marchesi, Imperial College London and Cardiff University, UK</td>
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<td>14:15</td>
<td>Exploring the host-microbe dialogue: bile acid cross talk in metabolism for health and in inflammatory bowel disease (IBD)</td>
<td>Susan Joyce, University College Cork, Ireland</td>
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<tr>
<td>15:15</td>
<td>Short talk selected from abstracts</td>
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<td>15:30</td>
<td>Short talk selected from abstracts</td>
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15:45-16:15  Afternoon tea

16:15-17:45  Session 2: Microbiota based interventions
Chair: Patricia Hibberd, Boston University School of Public Health, USA

16:15  Exploring probiotic effector molecules: past, present and future
      Sarah Lebeer
      University of Antwerp, Belgium

16:45  Treating the gut microbiome with faecal microbiota transplantation to
       improve outcomes in chronic liver disease
       Debbie Shawcross
       King’s College London, UK

17:15  Short talk selected from abstracts

17:30  Short talk selected from abstracts

17:45-18:15  Lightning talks
Chair: Catherine O’Neill, University of Manchester, UK

18:15-19:45  Poster session 1 (odd numbers) with drinks reception

19:45  Dinner
       Hall Restaurant

Thursday 6 December 2018

09:00-11:00  Session 3: Gut brain access
Chair: John Cryan, University College Cork, Ireland

09:00  Targeted modulation of the gut microbiota with dietary fibre fractions for
       prevention of Alzheimer’s disease
       Frida Hållenius
       Lund University, Sweden

09:30  Bacterial peptidoglycans as novel signaling molecules from microbiota to
       brain
       Rochellys Diaz Heijtz
       Karolinska Institute, Sweden

10:00  The gut-brain axis in acute stroke
       Arthur Liesz
       Institute for Stroke and Dementia Research, Germany

10:30  Short talk selected from abstracts

10:45  Short talk selected from abstracts

11:00-11:30  Morning coffee
11:30-12:30  **Session 4: Keynote debate**  
*Chair: Colin Hill, University College Cork, Ireland*  

Invisible influence: the microbiome and human health  
*Jack Gilbert*  
*University of Chicago, USA*

12:30-14:00  **Lunch and meet the speakers**  
*Hall Restaurant*

14:00-15:30  **Session 5: Cancer and the microbiome**  
*Chair: Catherine O’Neill, University of Manchester, UK*

14:00  Gut microbiome and cancer therapeutics  
*Laurence Zitvogel*  
*INSERM, France*

14:30  The gut microbiome and colon cancer: Passenger or driver?  
*James Kinross*  
*Imperial College London, UK*

15:00  Short talk selected from abstracts

15:15  Short talk selected from abstracts

15:30-16:00  **Afternoon tea**

16:00-17:30  **Session 6: Data analysis approaches**  
*Chair: Moran Yassour, The Hebrew University, Israel*

16:00  Exploring 16S composition and health in a large human cohort: Data analysis approaches  
*Claire Steves*  
*King’s College London, UK*

16:30  Shotgun metagenomics: the pros and cons  
*Lesley Hoyles*  
*Imperial College London, UK*

17:00  Short talk selected from abstracts

17:15  Short talk selected from abstracts

17:30-18:00  **Lightning talks**  
*Chair: Colin Hill, University College Cork, Ireland*

18:00-19:30  **Poster session 2 (even numbers) with drinks reception**

19:30  **Conference Dinner**  
*Hall Restaurant*
Friday 7 December 2018

09:00-10:30  Session 7: Microbiome and drug interactions

09:00  Strain-level identification of mother-to-child bacterial transmission
Moran Yassour
The Hebrew University, Israel

09:30  The interface of drugs and the human gut microbiome
Nassos Typas
EMBL, Germany

10:00  Short talk selected from abstracts

10:15  Short talk selected from abstracts

10:30-11:00  Morning coffee

11:00-12:00  Keynote lecture
Chair: Catherine O’Neill, University of Manchester, UK

Human skin microbiome: trans-kingdom, host-immune interactions
Julie Segre
National Institutes of Health, USA

12:00-12:15  Closing remarks
Programme Committee:
Catherine O’Neill, University of Manchester, UK
and
Patricia Hibberd, Boston University School of Public Health, USA

12:15  Take away lunch

12:30  Coaches to Cambridge and Heathrow Airport via Stansted Airport depart
Outside the Conference Centre