Exploring Human Host-Microbiome Interactions in Health and Disease
23-25 October 2019

Wellcome Genome Campus,
Hinxton, Cambridge, UK

Draft Conference Programme

Wednesday 23 October 2019

12:00-13:00 Registration with lunch

13:00-13:15 Welcome and introduction
Programme Committee: Julian Marchesi, Imperial College London and Cardiff University, UK

13:15-14:15 Keynote lecture
Chair: Julian Marchesi, Imperial College London and Cardiff University, UK
Twins, food and the microbiome
Tim Spector
King's College London, UK

14:15-14:45 The paediatric microbiome – opportunities for diagnostics and treatment
Nigel Klein
University College London, UK

14:45-15:15 Microbiome development in early life
Catherine Stanton
Teagasc, Ireland

15:15 Short talk selected from abstracts

15:30 Short talk selected from abstracts

15:45-16:15 Afternoon tea
16:15-17:45  **Session 2: Skin microbiome**  
*Chair: Reetta Satokari, University of Helsinki, Finland*

16:15  Application of microbiome science to the development of new therapies for skin health  
*Cath O’Neill*  
*University of Manchester, UK*

16:45  Metagenomes to therapeutics: the human skin microbiome  
*Julia Oh*  
*The Jackson Laboratory, USA*

17:15  Short talk selected from abstracts

17:30  Short talk selected from abstracts

17:45-18:15  **Lightning talks**  
*Chair: Colin Hill, University College Cork, Ireland*

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

19:45  **Dinner**

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**Thursday 24 October 2019**

09:00-11:00  **Session 3: Cancer and the microbiome**  
*Chair: Julian Marchesi, Imperial College London and Cardiff University, UK*

09:00  Population-based studies of the human microbiome in health and disease  
*Lars Engstrand*  
*Karolinska Institute, Sweden*

09:30  Talk title TBC  
*Speaker TBC*

10:00  Short talk selected from abstracts

10:15  Short talk selected from abstracts

10:30  Short talk selected from abstracts

10:45  Short talk selected from abstracts

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

Language, logic and numeracy in microbiome science  
*Fergus Shanahan*  
*APC Microbiome, Ireland*

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

14:00-15:30  **Session 4: Immune influences on the microbiome**  
*Chair: Patricia Hibberd, Boston University, USA*

14:00  Gnotobiotic mice as a powerful model for studying host-microbe interactions  
*Jillian Waters*  
*Max Planck Institute for Developmental Biology, Germany*

14:30  Impact of the living environment on microbe-host interaction in immune homeostasis and its dysregulation in allergy  
*Harri Alenius*  
*University of Helsinki, Finland*

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 5: Next generation tools for microbiome analysis**  
*Chair: TBC*

16:00  A bioelectronic in vitro model of the microbiome-gut-brain axis  
*Roisin Owens*  
*University of Cambridge, UK*

16:30  Emergent behavior in a synthetic gut community  
*Karoline Faust*  
*KU Leuven, Belgium*

17:00  Short talk selected from abstracts

17:15  Short talk selected from abstracts

17:30-18:00  **Lightning talks**  
*Chair: Reetta Satokari, University of Helsinki, Finland*

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

19:30  **Conference Dinner**
Friday 25 October 2019

09:00-10:30  **Session 6: Gut phagome and virome / Emerging areas in the microbiome**  
**Chair:** TBC

09:00  Global phylogeography and ancient evolution of the widespread human gut virus crAssphage  
*Bas Dutilh*  
*Utrecht University, The Netherlands*

09:30  Talk title TBC  
**Speaker** TBC

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:** Julian Marchesi, Imperial College London and Cardiff University, UK

The ecology of respiratory infections: what’s well begun is half done  
*Debby Bogart*  
*University of Edinburgh, UK*

12:00-12:15  **Closing remarks**  
*Programme Committee: Patricia Hibberd, Boston University, USA, and Reetta Satokari, University of Helsinki, Finland*

12:15  **Take away lunch**

12:30  **Coaches to Cambridge and Heathrow airport via Stansted airport depart**