

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

Wellcome Genome Campus,  
Hinxton, Cambridge, UK

### Draft Conference Programme

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#### Wednesday, 23 October

- 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*
- 14:15-15:45      **Session I: Microbiome in early life – development and modulation**  
*Chair: Patricia Hibberd, Boston University, USA*
- 14:15    The paediatric microbiome – opportunities for diagnostics and treatment  
*Nigel Klein*  
*University College London, UK*
- 14:45    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 Metagenomes to therapeutics: the human skin microbiome

*Julia Oh*

*The Jackson Laboratory, USA*

16:45 Application of microbiome science to the development of new therapies for skin health

*Cath O'Neill*

*University of Manchester, UK*

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 I (odd numbers) with drinks reception**

19:45

**Dinner**

**Thursday, 24 October**

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

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**