

Transforming Medicine through the Gut/Microbiota Interface: Towards Microbial Therapeutics for Human Diseases

6th – 7th March 2025, Surgeons Quarter, Edinburgh

Event Sponsors to be confirmed

Programme – Day 1

13:30 - 14:00 Registration and welcome tea/coffee

Session 1: Applying Microbiome to clinical practice I

Chairs: Dr Richard Hansen, University of Glasgow & Dr Linda Thomas, GMfH Secretary

The gut microbiome and...

14:00 - 14:25 **Early life** Prof Lindsay Hall, University of Birmingham

14:25 - 14:50 **Liver disease** Prof Debbie Shawcross, King's College London

14:50 - 15:15 **Cancer** Dr James Kinross, Imperial College London

15:15 - 15:35 **Tea/coffee break and exhibition**

Session 2: Applying Microbiome to clinical practice II

Chairs: Prof Ian Rowland, University of Reading & Dr Tanya Monaghan, University of Nottingham

15:35 - 16:00 **The gut microbiome and IBS** Prof Anton Emmanuel, UCL

16:00 - 16:25 **The gut microbiome and IBD** Prof Tariq Iqbal, University Hospital Birmingham

Chairs: Dr Richard Hansen & Dr James Alexander, Imperial College London

16:25 - 17:00 **Integrating the gut microbiome into clinical practice**

Prof Harry Sokol, Saint-Antoine Hospital, Paris

Conference dinner (timings and location TBC)

Programme – Day 2

08:00 - 09:00 Registration and welcome tea/coffee

Session 3: Assessing the gut microbiome – “Tools of the trade” I

Chairs: Prof Georgina Hold, UNSW & St George Hospital, Australia & Prof Tariq Iqbal

09:00 - 09:35 Precision medicine and the gut microbiome Prof Rinse Weersma, University Medical Center Groningen

Chairs: Dr Indrani Mukhopadhyaya, University of Aberdeen & Prof Horace Williams, Imperial College London

09:35 - 10:00 “Dos and Don’ts” of microbiome research Dr Chrysi Sergaki, NIBSC, MHRA

10:00 - 10:25 Putting the ‘omics puzzle together - How do we do this? Prof Lesley Hoyles, Newcastle Trent University

10:25 - 10:55 Tea/coffee break and exhibition

Session 4: Assessing the gut microbiome – “Tools of the trade” II

Chairs: Dr Mona Bajaj-Elliot, UCL Great Ormond Institute of Child Health & Dr Tom Butler, University of Manchester

10:55 - 11:20 Towards standardising the GM Prof Georgina Hold

11:20 - 11:45 Manipulation of the GM and other therapies Dr James Alexander

11:45 - 12:10 The GM and AMR/infectious disease Dr Rohma Ghani, Imperial College London

12:10 - 13:10 Lunch break and exhibition

Session 5: Towards microbial therapeutics I

Chairs: Dr Franklin Nobrega, University of Southampton & Dr Vishal Patel, KCL Institute of Liver Studies

13:10 - 13:35 Using diet to manipulate the microbiome for therapeutic effect Prof Kostas Gerasimidis, University of Glasgow

13:35 - 14:00 Where is faecal microbiome transplant currently and where is it going? Dr Ben Mullish, Imperial College London

14:00 - 14:25 How far away is phage therapy as a microbiome-targeted therapy? Dr Lindsey Edwards, King’s College London

14:25 - 14:55 Tea/coffee break and exhibition

Session 6: Towards microbial therapeutics II

Chairs: Prof Chris Lamb, Newcastle University & Dr Blair Merrick, Guy’s & St Thomas’

14:55 - 15:20 Developing next-generation probiotics for targeted indications Dr Chris Stewart, Newcastle University

15:20 - 16:00 Debate session: Has the microbiome bubble burst? Dr James McIlroy (No) Prof Tanya Monaghan (Yes)