SUNDAY, FEBRUARY 13
Arrival and Registration

MONDAY, FEBRUARY 14
Welcome and Keynote Address (Q3)
Howard Ochman, University of Texas at Austin, USA
Evolution of the Human Microbiome

Welcome and Keynote Address (Q4)
Eric G. Pamer, University of Chicago, USA
Impact of Antibiotic Resistance Development, the Microbiome and Human Health

Host Factors and the Microbiome (Q3)
Alexandra Zhernakova, University Medical Center Groningen, Netherlands
Host Genetics in Relation to the Microbiome
C. Jessica Metcalf, Princeton University, USA
Demographics and the Human Microbiome
Nandita Garud, University of California, Los Angeles, USA
Comparative Population Genetics in the Human Gut Microbiome

Short Talk(s) Chosen from Abstracts
Expanding the Source of Chemical Space for Antimicrobial (Q4)
Man-Wah Tan, Genentech, Inc., USA
DNA Encoded Macrocycles and Metagenomic Mining for Antibiotic Discovery

David Bikard, Pasteur Institute and Eligo Bioscience, France
Engineering CRISPR-CAS Systems to Kill Bacteria

Davide Corti†, Vir Biotechnology, Switzerland
Talk Title to be Announced

Short Talk(s) Chosen from Abstracts
Workshop 1: Pathways to a Sustainable Antimicrobial Ecosystem (Q4)
Short Talks Chosen from Abstracts

Co-Evolution and Co-Diversification of Microbiota and their Hosts (Q3)
Andrew Moeller, Cornell University, USA
Co-evolution of Hominids and their Microbiomes
Katherine R. Amato, Northwestern University, USA
Diet and the Evolution of the Human Microbiome

Ran Blekhman, University of Minnesota, USA
Human Genomics and the Human Microbiome

Short Talk(s) Chosen from Abstracts

Novel Approaches to Discover Therapeutics and Overcome AMR (Q4)
Deborah T. Hung, Broad Institute of MIT & Harvard, USA
Systems Approach to Antimicrobial Discovery

Regina Barzily, Massachusetts Institute of Technology, USA
Talk Title to be Announced

Hora Merrikh, Vanderbilt University, USA
Blocking the Evolution of Resistance

David S. Weiss, Emory University, USA
Novel Ways to Treat MDR Microbes

Short Talk(s) Chosen from Abstracts
Poster Session 1

TUESDAY, FEBRUARY 15
Controlling the Microbiome for Health (Q3)
Fredrik Bäckhed, University of Gothenburg, Sweden
The Microbiome in Metabolic Disease

Lisa Maier, University of Tübingen, Germany
Microbe-Drug Interactions

Sandrine Claus, Ysopia Bioscience, France
A New Strain of Christensenella minuta as a Potential Biotherapy for Obesity and Associated Metabolic Diseases

Jens Walter, APC Microbiome Ireland. University College Cork, Ireland
Applying Ecological Theory in Controlling Microbiomes

Short Talk(s) Chosen from Abstracts
Alternatives Approaches to tackle AMR (Q4)
Annette Vogel, BioNTech, Germany
TB Vaccine based on mRNA Technology

Speaker to be Announced

Kimberly Kline, Nanyang Technological University, Singapore
Biofilm and AMR

Heather Pinkett, Northwestern University, USA
Transporters in AMR

Short Talk(s) Chosen from Abstracts

Host-Virus-Microbiome Interactions (Joint)
Andrew T. Gewirtz, Georgia State University / Frontiers, USA
Host-Virus-Microbiome Interactions

Alejandro Reyes, Los Andes University, Colombia
Bioinformatics Approaches to Phage-Host Interactions

Matthew Henn, Seres Therapeutics, USA
Microbiome Therapeutics to Combat Antimicrobial Resistance and Modulate Host Immunity

Short Talk(s) Chosen from Abstracts
Poster Session 2

WEDNESDAY, FEBRUARY 16

Microbe-Microbe Interactions in Shaping the Microbiome (Q3)
Britt Koskella, University of California, Berkeley, USA
How Microbial Interactions Maintain Diversity
Rachel Dutton, University of California, San Diego, USA
It’s not you, It’s Brie: Dissecting Species Interactions using in vitro Communities
Jeff Gore, Massachusetts Institute of Technology, USA
Modeling Interactions
Kevin Foster, University of Oxford, UK
Talk Title to be Announced
Short Talk(s) Chosen from Abstracts

Innovations in Rapid Diagnostic to Combat AMR (Q4)
Pierre Mahé, Biomerieux, France
Diagnosing AMR through Sequencing
Julie A. Segre, National Institutes of Health, USA
Tracking an Emerging Pathogen Candida auris in Nursing Homes with Genomic-Epidemiology
Kelly Flentie, Selux Diagnostics, Inc, USA
Rapid Phenotypic Antibiotic Susceptibility Testing
Short Talk(s) Chosen from Abstracts

Workshop 2: Lessons Learnt from Covid19 (Q4)
Short Talks Chosen from Abstracts

Molecular Cross Talk (Q3)
Elizabeth L. Johnson, Cornell University, USA
Sphingolipids in the Infant Gut Microbiome
Ruth E. Ley, Max Planck Institute for Developmental Biology, Germany
The Interactions between Bacterial Flagellins and Toll-Like Receptor 5
Eric C. Martens, University of Michigan Medical School, USA
The Bacteroides Capsule in Microbiome Interactions
Short Talk(s) Chosen from Abstracts

Challenges and Novel Pathways to Develop Alternative Therapies (Q4)
Sumathi Nambiar, U.S. Food and Drug Administration, USA
Regulatory Paths and Novel Clinical Endpoints
Laura Piddock, University of Birmingham, UK
Sustaining Antimicrobial Innovation

Timothy Jinks, Wellcome Trust, UK
Novel Antimicrobials to Patient: Creating Sustainable R&D and Marketplace for Antimicrobials
Short Talk(s) Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

THURSDAY, FEBRUARY 17

Departure