Agenda for Summit V

*Microbiome Research – from Methodology to Collaboration*

DoubleTree by Hilton Hotel Denver-Thornton
83 East 120th Avenue, Thornton, CO 80233
303-920-8000

*Wednesday, August 16, 2017*

8:00 am  
*Breakfast*

8:15 – 8:30 am  
*Introductions and Goals*
Ronald Sokol, MD, CCTSI Director
University of Colorado Anschutz Medical Campus

**Microbiome Research Highlights in Colorado – Part I**

8:30 – 8:45 am  
*Functional Microbiomics: Gut Bacteria and the Immune System*
Catherine Lozupone, PhD
Assistant Professor, School of Medicine
University of Colorado Anschutz Medical Campus

8:45 – 8:55 am  
Discussion

8:55 – 9:10 am  
*Waking up the Microbiome: Effect of Sleep on Cognition and the Microbiome*
Chris Depner, PhD
Post-Doctoral Fellow, Integrative Physiology
University of Colorado Boulder

9:10 – 9:20 am  
Discussion

**Visualization of Data and Statistical Analysis in Microbiome Research**

9:20 – 9:35 am  
*Biostatistical Analysis and Visualization of the Microbiome*
Brandie Wagner, PhD
Associate Research Professor, Colorado School of Public Health
University of Colorado Anschutz Medical Campus

9:35 – 9:45 am  
Discussion
Campus Resources and Microbiome Research Programs
9:45 – 10:30 am  Daniel Frank, PhD  
Associate Professor, School of Medicine  
University of Colorado Anschutz Medical Campus

Elizabeth Ryan, PhD  
Associate Professor, College of Veterinary Medicine and Biological Sciences  
Colorado State University

Noah Fierer, PhD  
Associate Professor, Ecology and Evolutionary Biology  
University of Colorado Boulder

10:30 – 10:45 am  Discussion

10:45 – 11:00 am  Poster Session/Networking/Coffee Break

Microbiome Research Highlights in Colorado – Part II
11:00 – 11:15 am  Coprolites to Corpses: Ancestral and Forensic Microbiomes  
Jessica Metcalf, PhD  
Assistant Professor, College of Agricultural Sciences  
Colorado State University

11:15 – 11:25 am  Discussion

11:25 – 11:55 am  3 x 5 Abstract Presentations (3 presentations of 5 minutes each)

11:55 – 1:00 pm  Lunch and Poster Session/Networking

1:00 – 2:00 pm  Breakout Sessions: Getting Started in Microbiome Research  
• Data Visualization and Statistical Analysis of the Microbiome  
  Miranda Kroehl, PhD  
  Assistant Director, Colorado Biostatistics Consortium  
  University of Colorado Anschutz Medical Campus  
  Brandie Wagner, PhD  
  Associate Research Professor, Colorado School of Public Health  
  University of Colorado Anschutz Medical Campus
• **Study Design and Specimen Specifics**
  Daniel Frank, PhD  
  Associate Professor, School of Medicine  
  University of Colorado Anschutz Medical Campus  
  Elizabeth Ryan, PhD  
  Associate Professor, College of Veterinary Medicine and Biological Sciences  
  Colorado State University

• **Immune System and the Microbiome**
  Catherine Lozupone, PhD  
  Assistant Professor, School of Medicine  
  University of Colorado Anschutz Medical Campus  
  Jessica Metcalf, PhD  
  Assistant Professor, College of Agricultural Sciences  
  Colorado State University

**Microbiome Research Highlights in Colorado – Part III**

2:05 – 2:20 pm  **Microbiome and Vascular Function**  
Tiffany Weir, PhD  
Assistant Professor, College of Health and Human Sciences  
Colorado State University  

2:20 – 2:30 pm  Discussion

2:30 – 2:45 pm  **Networking/Coffee Break/Poster Session**

**Microbiome Research Highlights in Colorado – Part IV**

2:45 – 3:00 pm  **Nutrient Modifications and the Infant’s Microbiome**  
Nancy Krebs, MD  
Professor of Pediatrics, School of Medicine  
University of Colorado Anschutz Medical Campus  

3:00 – 3:10 pm  Discussion

3:10 – 3:15 pm  Closing Remarks – Ronald Sokol, MD