

Advancing Microbiome Research Symposium: Microbiome & Disease



November 3, 2016 | Bolger Center, Potomac, MD

Agenda

8:00 – 8:45am Registration and Light Breakfast

8:45 – 9:00am Welcome and Introduction

SESSION 1: METABOLIC DISEASE & THE MICROBIOME

9:00 – 9:20am Deciphering the Biofilm-Macrophage Interactome
Mary Cloud B. Ammons, Montana State University

9:20 – 9:40am Influence of Extrinsic Factors on the Gut and Seminal Fluid
Microbiome in Various Rodent Models
Cheryl Rosenfeld, University of Missouri

9:40 – 10:00am The Role of Gut Microbiota and Innate Immunity in Mouse Model
of Autoimmune Diabetes
Ningwen Tai, Yale University

SESSION 2: INFECTIOUS DISEASE & THE MICROBIOME

10:00 – 10:25am A “Gut” Feeling About Malaria
Nathan W. Schmidt, University of Louisville

10:25 – 10:40am Break

10:40 – 11:00am Triangulating Immune Responses, the Microbiota and Infection
Outcomes in Giardiasis
Steven Singer, Georgetown University

PRACTICAL CONSIDERATIONS — PART I

11:00 – 11:15am Benefits and Pitfalls of Microbiome Research
Mohan Iyer, Second Genome

11:15 – 11:35am Complex Microbiota Targeted Rederivation – A New Paradigm in
Gnotobiology
Aaron Ericsson, University of Missouri

11:35 – 11:55am Common Assumptions and Pitfalls of Microbiome Analysis
Robert Beiko, Dalhousie University

11:55 – 1:00pm Lunch & Exhibits

KEYNOTE TALK

1:00 – 1:30pm Microbiome, Disease and Therapeutics
Odile Engel, US Food and Drug Administration

Agenda Continued

SESSION 3: IMMUNITY & AUTOIMMUNITY

- 1:30 – 1:50pm Microbiota-Dependent Activation of an Autoreactive T Cell Receptor Provokes Autoimmunity in an Immunologically Privileged Site
Reiko Horai, National Institutes of Health
- 1:50 – 2:10pm Microbiome-Dependent Modulation of Mucosal Immunity at the Ocular Surface
Tony St. Leger, National Institutes of Health
- 2:10 – 2:25pm Break

SESSION 4: CANCER & THE MICROBIOME

- 2:25 – 2:55pm The Fiber-Microbiota-Butyrate Axis in Tumor Suppression
Scott Bultman, University of North Carolina
- 2:55 – 3:10pm High-Resolution Taxonomic Profiling to Enhance Translational Microbiome Research
James Robert White, Resphera Biosciences

PRACTICAL CONSIDERATIONS – PART II

- 3:10 – 3:30pm Diversity of Murine Lung Microbiome
Julia Scheiermann, National Cancer Institute
- 3:30 – 3:55pm Gut Dysbiosis Impairs Recovery After Spinal Cord Injury
Kristina A. Kigerl, The Ohio State University
- 3:55 – 4:00pm Wrap up
- 4:00 – 5:00pm Networking Reception

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