



The Chicago Microbiome Conference 2017
Propelling Research towards Applications

September 26-27, 2017

Polsky Exchange at the University of Chicago
1452 E. 53rd St, Chicago

Agenda

September 26, 2017

- 10:00am** **Welcome: Matthew Martin**, PhD, Microbiome Innovation and Ventures Lead, Polsky Center for Entrepreneurship and Innovation, UChicago
- 10:10am** **Keynote Address: Translating Microbiome Science**
Jack Gilbert, PhD, Faculty Director, The Microbiome Center; Professor of Surgery, UChicago, Group Leader, Argonne National Laboratory, Senior Scientist, the Marine Biological Laboratory
- Session I**
10:30am **Panel - Probiotics, regulation, and the roles of science and marketing**
Moderator: **Steve Gould**, MD, Operating Partner, Abundant Venture Partners
- Josh Stevens**, Chief Business Officer, DayTwo, Ltd.
- Gregory Lambert**, PhD, CEO, TargEDys
- Martha Carlin**, CEO, The BioCollective
- Larry Weiss**, MD, Chief Medical Office, AOBiome

Image of the hedgehog consortium in dental biofilms courtesy of Jessica Mark Welch, Marine Biological Laboratory and Gary Borisy, The Forsyth Institute.

Session II
11:30am

Research Talks

The Microbiome and Infant Development

Erika Claud, MD, Professor of Pediatrics, UChicago

Peripartum antibiotics – bad news for long term risk for disease in the genetically prone?

Eugene B. Chang, MD, Martin Boyer Professor of Medicine – Section of Gastroenterology, Director, Microbiome Medicine Program, UChicago

Harnessing the Microbiome in Drug Discovery: An AbbVie Perspective

F. Stephen Laroux, PhD, Senior Scientist, AbbVie

Session Chair: **Ranjani Parthasarthy**, PhD, Senior Scientist, 3M

12:30pm

Lunch with Informal Presentations from

John Colson, PhD, Director of Operations, ClostraBio

Monica Vajani, AVnovum

Mark Spizer, Gusto Global

Session III

1:45pm

Areas of Interest and Partnering Strategy

Jack Chen, PhD, Director, Scientific Assessment, Licensing and Acquisitions at AbbVie

Dario Gutierrez, PhD, Immuno-biology Lead at Merck Research Labs

Bryan (Bo) Barnhart, PhD, Senior Director in Immuno-oncology, Bristol-Myers Squibb

Session Chair: **Steve Kummerle**, PhD, Senior Director of Industry Relations, Polsky Center for Entrepreneurship and Innovation, UChicago

2:45pm

Break

Session IVA
3:00pm

Models of Collaboration: Opportunities and Lessons Learned from Spinouts and Licenses

Howard Shuman, PhD, Professor of Microbiology, UChicago – **Lev Becker**, PhD, Assistant Professor of Ben May Department for Cancer Research, UChicago

Brian Goodman, PhD, Head of Scientific Strategy, Evelo Biosciences – **Thomas Gajewski**, MD, PhD, AbbVie Foundation Professor of Cancer Immunotherapy, UChicago

Conversation Facilitator: **Nancy Harvey**, PhD, Managing Director, Polsky Center for Entrepreneurship and Innovation, UChicago

Session IVB Research Talks

3:00pm

Novel oncology therapeutics from the immunobiome

Jackie Papkoff, PhD, Senior Vice President of Research, Evelo Biosciences

Approaches to understand the functions of the soil microbiome at different scales and potential applications

Philippe Noirot, PhD, Division Director, Biosciences, Argonne National Laboratory

Realizing the Promise of the Microbiome: Using Rigorous Pharmaceutical Principles of Drug Development

Chris Howerton, PhD, Head of Microbiome Discovery Platform, Assembly Biosciences, Inc.

Surgical Bowel Preparation Solution through Rationale Scientific Design

John Alverdy, MD, Sara and Harold Lincoln Thompson Professor and Executive Vice Chair of Surgery, UChicago

4:30 – 6pm Poster Session and Networking Reception

September 27, 2017

8:30

Recap of Day One: Erin Lane, Executive Director, The Microbiome Center

Innovation Ecosystems

John Flavin, Associate Vice President for Entrepreneurship and Innovation, UChicago

Session I

9:00am

Panel – Solving Common Challenges to Commercialize Microbiome Therapeutics

Moderator: **Arpita Maiti**, PhD, Senior Director, External Science & Innovation (ES&I), Inflammation & Immunology and Microbiome at Pfizer

Jonathan Freeman, PhD, Chief Business Officer at Vedanta Biosciences, Inc.

Gary Wu, MD, Professor of Medicine, Ferdinand G. Weisbrod Chair in Gastroenterology, Co-Director, PennCHOP Microbiome Program,

University of Pennsylvania

Micah Mackison, SVP, Corporate Development at Assembly Biosciences

Denise Kelly, PhD, Seventure

10:00am Break

Session II Research Talks

10:30am

Commensalism Microbiota and Cancer Immunotherapy Efficacy

Thomas Gajewski, MD, PhD, AbbVie Foundation Professor of Cancer Immunotherapy, UChicago

Regulation of Allergic Responses to Food by Commensal Bacteria

Cathryn Nagler, PhD, Bunning Food Allergy Professor of Pathology, Medicine, and Pediatrics, UChicago

Microbiome-based strategies for treating skin diseases

Travis Whitfill, PhD, COO and Founder, Azitra Inc.

Session III Keynote Address:

11:45am

Assessing Business Strategies In The Microbiome Space

Bob Kody, PhD, 3M Infection Prevention Division

12:15pm Lunch with Informal Presentation from

Denise Kelly, PhD, Seventure

Session IV A Research Talks

1:30

Towards Host Pathogen Interactions and Single Cell Microbial Transcriptomics

Anindita (Oni) Basu, PhD, Assistant Professor of Genetic Medicine, UChicago, Assistant Scientist, Center for Nanoscale Materials, Argonne National Laboratory

Microfluidic Single Cell Analysis to Study the Microbiome and Pathogen-host Interactions

Savas Tay, PhD, Associate Professor, Institute of Molecular Engineering, UChicago

Moving Toward a Next-Generation Bacterial Therapeutic for Asthma

Ricardo Valladares, PhD, Director of Research & Development, Solta Therapeutics

From structure to function: spatial organization of microbiomes at the micron scale

Jessica Mark Welch, PhD, Associate Scientist, the Marine Biological Laboratory

Session IV B Research Talks

1:30

The Exposome and the Microbiome: The case and need for better data collection and analysis through software automation

John Slattery, Director of Research and Innovation, Aces Health

Anvi'o: A comprehensive platform for high-resolution microbiome informatics

A. Murat Eren (Meren), PhD, Assistant Professor of Medicine, UChicago, MBL Fellow

Microbiome Characterization using Transfer RNA Sequencing

Tao Pan, PhD, Professor of Biochemistry and Molecular Biology

3:00pm **Wrap up and Closing Remarks**

3:15pm **Conference Concludes**