



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**
- 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
- Surgical Bowel Preparation Solution through Rationale Scientific Design*
John Alverdy, MD, Sara and Harold Lincoln Thompson Professor and Executive Vice Chair of Surgery, UChicago
- Novel oncology therapeutics from the immunobiome*
Jackie Papkoff, PhD, Senior Vice President of Research, Evelo Biosciences
- Session Chair: **Ranjani Parthasarthy**, PhD, Senior Scientist, 3M
- 12:30pm** **Lunch** with Informal Presentations from
- John Colson**, PhD, Director of Operations, ClostraBio
Monica Vajani, Business Lead, AVnovum
John Fennebresque Jr., 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 (in Promontory Point)**
- Lev Becker**, PhD, Assistant Professor of Ben May Department for Cancer Research, UChicago – **Deb Nguyen**, PhD, VP, Research, Cellular Approaches

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 (in Washington Park)

3:00pm

The Microbiome and Infant Development

Erika Claud, MD, Professor of Pediatrics, UChicago

*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.

*Harnessing the Microbiome in Drug Discovery: An AbbVie
Perspective*

F. Stephen Laroux, PhD, Senior Scientist, AbbVie

Session Chair: **Ashley Sidebottom**, PhD, Postdoctoral Fellow,
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, Investment Advisor, Seventure

10:00am Break

Session II Research Talks

10:30am *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.

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

Session Chair: **Arlene Ruiz de Luzuriaga**, MD, The University of Chicago

Session III Keynote Address:

11:45am *Assessing Business Strategies In The Microbiome Space*
Bob Kody, PhD, 3M Infection Prevention Division

12:15pm Lunch with Presentation from
Denise Kelly, PhD, Investment Advisor, Seventure

Session IV A Research Talks (in Promontory Point)

1:30 *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,
Siolta Therapeutics

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

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

Session Chair: **Jackie Papkoff**, PhD, Senior Vice President of
Research, Evelo Biosciences

Session IV B Research Talks (in Washington Park)

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

Session Chair: **Jay Cui**, PhD, Manager, AbbVie Ventures

3:00pm

Wrap up and Closing Remarks

3:15pm

Conference Concludes