

Conference Day 1

Monday, October 11
1:00 – 5:30 pm US Central Time



AGRICULTURE & HEALTH SUMMIT

Cultivating Gut Health at the Crossroads of Food & Medicine

October 11-13, 2021 Virtual Event
@AgHealthSummit

Welcome

1:00 – 1:30

Plenary Session: Food for Health and Why it Matters

1:30 – 3:00



Moderator: Andrew Benson, University of Nebraska-Lincoln



Bruce German, Director, UC Davis Food for Health Institute
Foods for Health: The Joy is in the Details



Yolanda Sanz, Coordinator, MyNewGut Research Consortium, Spain
Understanding how food and gut microbe ties influence metabolic health



Paul Ross, Director, Alimentary Pharmabiotic Center, Cork Ireland
[Title]

Plenary Session: Cautionary Tales – Diet-microbiome interactions contributing to disease

3:00 – 4:30



Moderator: Peter Mannon, University of Nebraska Medical Center



Eugene B. Chang, University of Chicago
Diet-induced pathobionts and dietary constituent effects on host-microbe models of inflammation



Wendy Garrett, Harvard T.H. Chan School of Public Health
Sulfur amino acids, the gut microbiota, chronic kidney disease and colon cancer



Bernd Schnabl, UC San Diego School of Medicine
Microbiota-based therapies for liver disease

Poster Session I

4:30 – 5:30

Conference Day 2

Tuesday, October 12
8:00 – 4:00 pm US Central Time



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Poster Session II

8:00 – 9:00

Speaker Roundtable: Dietary Components and Modulation of the Gut Microbiome—what does the catalogue look like?

9:00 – 10:00



Moderator: Devin Rose, University of Nebraska-Lincoln



Eric Martens, University of Michigan Medical School
Dietary fiber offsets mucosal damage and colitis progression



Mark Morrison, University of Queensland
A little bit can go a long way: food additives and the gut microbiota



Arie Levine, Tel Aviv University
Translating the effect of diet on the microbiome into interventions in IBD

Plenary Session: Complexity of the problem I – the challenge of understanding complex interactions between diet, microbiome, host, and health/disease across populations of humans

10:00 – 11:30



Moderator: Jennifer Auchtung, University of Nebraska-Lincoln



Laure Bindels, UC Louvain, Belgium
Harnessing the gut microbiome to tackle metabolic disorders associated with cancer



Jens Walter, Alimentary Pharmabiotic Center, Cork, Ireland
Elucidating the role of the gut microbiota in the physiological effects of diet



Vince Young, University of Michigan
The microbiome in gastrointestinal infectious diseases: translation from model systems to patients

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Break

11:30 – 1:00

Panel Discussion: From Seed to Success – Understanding the Opportunities and Barriers to Product Commercialization

1:00 – 2:00



Moderator: Eileen Murphy, PrecisionBiotics Group, Ireland



Gareth Asten
Co-Founder and
Managing Partner of
Acre Venture Partners



Ivan Wasserman
Managing Partner, Amin
Talati Wasserman, LLP



Charlie Arnot
CEO, Center for
Food Integrity



Zac Lewis
CSO, Synbiotic
Health

Panel discussion: Substantiation, standardization, and regulatory—what is the proper space for “Food for Health” products?

2:00 – 3:00



Moderator: Amy Smith, IFF



Dan Merenstein
Georgetown University



Mary Ellen Sanders
Dairy & Food Culture
Technologies



Colleen Cutcliffe
CEO, Pendulum
Therapeutics



Sibyl Swift
Vice President Scientific
& Regulatory Affairs,
cbdMD, Inc.

Poster Session III

3:00 – 4:00

Conference Day 3

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Poster Session IV

8:00 – 9:00

Speaker Roundtable: Complexity of the problem II – what are the best dietary components for targeting the microbiome to improve human health?

9:00 – 10:00



Moderator: Mark Morrison, University of Queensland



Deanna Gibson, University of British Columbia Okanagan
A Mediterranean-like fat blend protects against the development of severe colitis in the mucin-2 deficient murine model



Bruce Hamaker, Director, Whistler Center for Carbohydrate Research
Alignment of fermentable dietary fibers with key gut bacteria



Joël Doré, Research Director, French National Research Institute for Agriculture, Food and the Environment (INRAE)
[Title]

Plenary Session: Integrating prevention in susceptible individuals into disease management strategies

10:00 – 11:30



Moderator: Amanda Ramer-Tait, University of Nebraska-Lincoln



Tiffany Weir, Colorado State University
Diet-induced Modulation of the Gut Microbiota for Cardiovascular Disease Prevention



Alan Walker, Rowett Institute, University of Aberdeen, UK
Challenges and prospects for stratified microbiome-based interventions in susceptible individuals



Nathalie Delzenne, President, Louvain Drug Research Institute (LDRI)- UCLouvain
New approaches to evaluate gut microbiome-nutrition interactions in health and diseases

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Break

11:30 – 1:00

Speaker Roundtable: Opportunities and challenges for microbiome active trait breeding in crop plants

1:00 – 2:30



Moderator: David Hyten Jr, University of Nebraska-Lincoln



Seth Murray, Texas A&M University
Breeding for commercialization of whiskey terroir



Jianming Yu, Iowa State University
Uncovering the Intertwined Relationships among Gene, Environment, Crop, and Human



Sherry Flint-Garcia, University of Missouri
The Genetics and Consequences of Maize Domestication and Breeding



Andrew Benson, University of Nebraska-Lincoln
The human gut microbiome as a target for crop breeding: Mapping Microbiome-Active Traits in Food Crops

Panel discussion: Taking it to the streets — commercializing innovation in the diet-microbiome space

2:30 – 3:30



Moderator: Bob Hutkins, University of Nebraska Lincoln



Alan Murray
Former CEO of NextFoods Inc, Consultant



Patrick Veiga
Danone Nutricia Research



Susan Mitmesser
Pharmavite Nurish