

# PROBIOTICS RESOURCE CENTER

## Theater Schedule

### Speakers Bio & Abstract

**DAY 1**

*Wednesday November 2, 2022*

**12:10 – 12:50**

*Dr. Zac Lewis, PhD  
Chief Science Officer*



#### **Bio**

Dr. Lewis is a probiotic scientist with 15 years of microbiome experience. He holds a PhD in Microbiology from the University of California, Davis, and has expertise in bifidobacteria, microbial ecology, and the dietary supplement market. He has developed dozens of probiotic products, including formulas which are on the shelves of every major retailer and consumed by millions of consumers around the world. He currently runs Synbiotic Health's strain discovery and R&D program

#### **Company**

Synbiotic Health is a leader in innovation and development for the highest quality of synergistic synbiotics – mixtures of probiotic and prebiotic combinations that modulate the microbiome and provide consistent and healthy outcomes supported by clinical evidence. Synbiotic Health's synergistic synbiotic ingredients, iVE, are branded ingredients for nutrition. Having a foundation in science and in alignment with other scientific experts in the gut health community, Synbiotic Health brings together globally renown multi-disciplinary team members with 100 years of cumulative experience in basic and applied research, including the development of synergistic synbiotics, synbiotic technology and strain development.



**Intelligently pairing probiotic strains with prebiotics for better synbiotic product development: A case study with Intrinsic Organics inulin.**

#### **Abstract**

Many people have microbiomes that do not naturally respond to prebiotic treatment without the help of a probiotic, and not every probiotic strain can take advantage of every prebiotic. This suggests the advantages of using an intelligently paired synbiotic approach in order to achieve the best consumer health outcomes. Synbiotic Health's proprietary In Vitro Enrichment (iVE) process mines the microbiome for strains that will pair most suitably with specific prebiotics once delivered to the human gut. Here we present a case study of how this process has been successfully used on a high-quality Jerusalem Artichoke-derived inulin prebiotic from Intrinsic Organics to find new adapted probiotic strains to aid in utilization of this commercially-available prebiotic.

#### **Key Elements**

- Standard solo prebiotic treatments show responder/non-responder patterns of health benefits where not all consumers are benefitting from the supplementation
- Intelligently paired synbiotic delivery systems help ensure microbiome response
- Intrinsic Organics and Synbiotic Health have teamed up to develop an inulin-based synbiotic pairing.