



MMI 291 Seminar Series

Current Theme: Interdisciplinary Research

Winter Quarter 2020 – CRN 65452

Friday Seminar – 12:10-1 PM



“Eating for Two Trillion: Reciprocal interactions between Diet and the Human Gut Microbiome”

Research

Our lab is an interdisciplinary group of microbiome researchers committed to understanding host-associated microbes, reducing these complex microbial ecologies to molecular mechanism, and applying these lessons to improve the practice of medicine. We are currently focused on two major areas: pharmacology and nutrition. We use a variety of interdisciplinary approaches ranging from the molecular (biochemistry and bacterial genetics) to the organismal (gnotobiotic mice, conventional animals, and human cohorts) to the ecological (synthetic microbial communities and metagenomic sequencing).

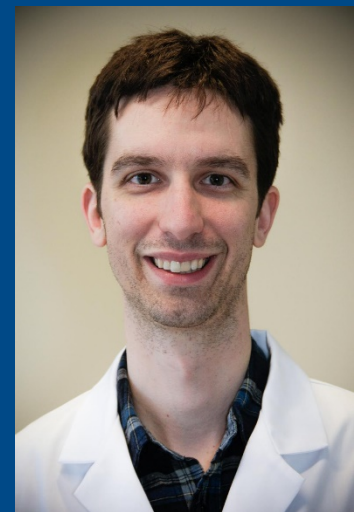
Publications

Genetic basis for the cooperative bioactivation of plant lignans by *Eggerthella lenta* and other human gut bacteria. Bess et al. *Nature Microbiology*. 2020 January.

Cooking shapes the structure and function of the gut microbiome. Carmody RN1,2,3, Bisanz et al. *Nature Microbiology*. 2019 December.

Meta-Analysis Reveals Reproducible Gut Microbiome Alterations in Response to a High-Fat Diet. Bisanz et al. *Cell Host Microbe*. 2019 August.

February 14



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Chan Zuckerberg Biohub

University of California, San Francisco

February 14, 2020

12:10 – 1 PM

GBSF 1005

Medical Microbiology &

Immunology

School of Medicine

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We hope to see you there!