



MMI 291 Seminar Series

Current Theme: Interdisciplinary Research

Spring Quarter 2020 – CRN 73287

Friday Seminar – 12:10-1 p.m.



“Impacts of a Zinc Transporter on the Microbiota and Physiology of the Colon: Findings from a *Znt7*^{-/-} Mouse Model”

Research

Dr. Kable is interested in the interaction between microbial communities, food and human health. Using in vitro digestion/fermentation models and sequence-based characterization of microbial community structures during human and animal dietary interventions, the Kable Lab investigates how foods rich in complex carbohydrates and polyphenols can influence the structure of the gut microbial community and its metabolic products. Dr. Kable collaborates closely with the Lemay and Stephensen labs to characterize how gut microbial characteristics influence human health. This presentation will focus on the potential impact of dietary zinc absorption on the microbial and physiological composition of the colon.

Publications

Effects of Arabinoxylan and Resistant Starch on Intestinal Microbiota and Short-Chain Fatty Acids in Subjects with Metabolic Syndrome: A Randomised Crossover Study. Hald S, Et al. PLoS One. 2016 Jul

The Effects of Moderate Whole Grain Consumption on Fasting Glucose and Lipids, Gastrointestinal Symptoms, and Microbiota. Cooper DN, Et al. Nutrients. 2017 Feb

The Role of the Gut Microbiome in Predicting Response to Diet and the Development of Precision Nutrition Models-Part I: Overview of Current Methods. Hughes RL, Et al. Adv Nutr. 2019 Nov

The Role of the Gut Microbiome in Predicting Response to Diet and the Development of Precision Nutrition Models. Part II: Results. Hughes RL, Et al. Adv Nutr. 2019 Nov

April
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**April 10, 2020
12:10 – 1 p.m.
ZOOM Meeting**

Medical Microbiology
& Immunology
School of Medicine

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We hope to see you there!