

## The Department of Nutritional Sciences Spring 2026 Seminar Series

### "Metaorganismal Endocrinology: Microbe-Derived Signals Shape Host Metabolic Homeostasis"

**J. Mark Brown, Ph.D.**

Associate Staff  
Director of Research, Center for Microbiome & Human Health  
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Hosts:

Christy Gliniak, Ph.D.  
Assistant Professor of Nutritional Sciences, Rutgers

Tracy Anthony, Ph.D.  
Professor of Nutritional Sciences, Rutgers

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Associate Professor of Nutritional Sciences, Rutgers

**Wednesday, March 4, 2026 @ 2:15 PM**

**FSNS Building, 65 Dudley Road, New Brunswick, Room 120**

Zoom option: <https://go.rutgers.edu/mark-brown-seminar>



Following a meal resident bacteria living our intestine metabolize macro- and micronutrients to generate unique small molecule, protein, and lipid metabolites that can systemically circulate at high levels. Gut microbe-derived nutrient metabolites can act very much like endocrine hormones where they engage host receptors to elicit meal-related physiologic responses in the host. This talk will cover emerging evidence that metaorganismal (i.e. microbe-host) endocrine pathways are associated with cardiometabolic disease and will discuss drug discovery strategies targeting the gut microbial endocrine organ.