

The Department of Nutritional Sciences Fall 2026 Seminar Series

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

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Hosts:

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Wednesday, October 7, 2026 @ 2:15 PM

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

Zoom option: <https://go.rutgers.edu/markbrown-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.