

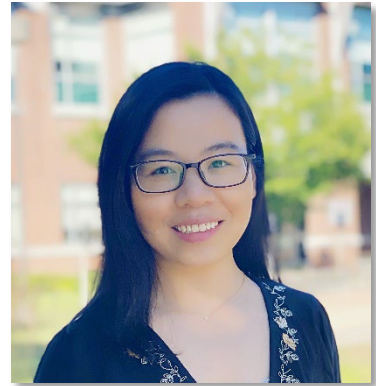
## The Department of Nutritional Sciences Fall 2024 Seminar Series

### "Unraveling the Gut-Bone Axis: Investigating Mechanisms of Bone Loss Post-Bariatric Surgery"

**Ziru Li, Ph.D.**

Faculty Scientist  
MaineHealth Institute for Research

Host: Harini Sampath, Ph.D.  
Professor of Nutritional Sciences, Rutgers



**Wednesday, November 6, 2024 @ 2:15 PM**  
FSNS Building, 65 Dudley Road, New Brunswick, Room 120



Zoom option: <https://go.rutgers.edu/Li-Seminar>

Bariatric surgery leads to durable weight loss, enhances quality of life and improves metabolic health; however, bone loss is a side effect. We have been using surgical mouse models to investigate mechanisms of bone loss and changes in bone marrow niche following vertical sleeve gastrectomy. Alterations in bone marrow adipose tissue have significant influence on bone homeostasis under conditions of energy deficit. In addition, we are defining novel molecular signaling pathways between the gut and bone that impact skeletal health, targeting endocrine cells in the stomach.