



# Department of Biochemistry and Molecular Biology

*Franklin College of Arts and Sciences*

**UNIVERSITY OF GEORGIA**

Announcing a seminar by  
Dr. Federico E. Rey  
Associate Professor of Bacteriology  
University of Wisconsin, Madison  
January 14, 4 p.m. via Zoom  
<https://zoom.us/j/99256336586>



## **“Exploring the causes and consequences of gut microbiome variation”**

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Humans studies have revealed consistent alterations in the gut microbiomes of patients with cardiometabolic and aging-associated diseases. A major focus of my group is to understand how variations in the gut microbiome modulate the effects of diet and host’s susceptibility to cardiometabolic disease.

To address these questions we use a combination of hypothesis-generating, sequencing-centered analyses of microbiomes from humans and mice, followed by proof-of-principle/proof-of-mechanism studies in gnotobiotic mouse models of disease and classic bacteriology experiments.

*- from Dr. Rey’s webpage*