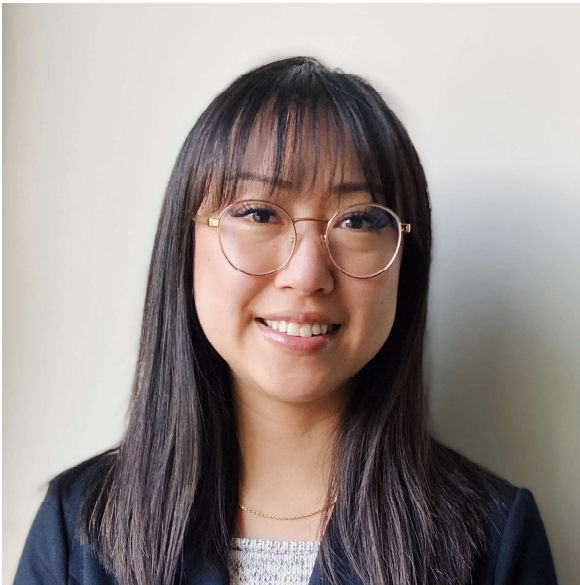


## Exit Seminar (Hybrid):

# Impact of *Lacticaseibacillus casei* and milk on the intestinal epithelium



### Glory Bui

Ph.D. Candidate, Marco Lab,  
gtbui@ucdavis.edu

**Monday, May 22, 2023**

**12:10 – 1:00 PM**

**1207 RMI South**

**Zoom URL:** <https://ucdavis.zoom.us/j/96794994623>

**BIO:** Glory joined the UC Davis Microbiology Graduate Group after graduating from UC San Diego with a B.S. degree in Microbiology. Her doctoral research was performed in the lab of Dr. Maria Marco's and focused on host-microbe interactions with probiotic *Lacticaseibacillus casei*. Glory earned several awards for her research, including the ISAPP Student Fellow Association Poster Award and the TFA FERMENTATION Poster Award. She also received a Science Communication Fellowship from the Powerhouse Science Center and directed the Research e-Mentorship Program at Sheldon High School for 5 years. Glory completed her Designated Emphasis in Biotechnology (DEB) internship with Samba Scientific as a content writer.

**SUMMARY:** *Lacticaseibacillus* species are known to benefit human health, both as indigenous members of the gut microbiome and as transient intestinal colonists as probiotics. For *Lacticaseibacillus*, as well as other members of the gut microbiome, the molecular mechanistic basis for their effects on human health is not well understood. *Lacticaseibacillus casei* is frequently provided as a probiotic in fermented dairy products has been investigated as a probiotic in numerous human studies. Glory's project sought to identify specific *Lacticaseibacillus* compounds and corresponding host response pathways that result in improvements to intestinal barrier function.