



PhD Defense

Advisor: Dr. Kaustav Majumder

Emerson Nolasco

Egg White Hydrolysate in Hypertension: A Mechanistic Investigation of Gut Microbiota-Dependent and -Independent Pathways

Date: June 24, 2025

Time: 9:30 AM

Location: Food Innovation Center, Room 277

Zoom Link: <https://unl.zoom.us/j/7647690037?omn=99045757127>

Zoom Meeting ID: 764 769 0037 (No Password)

Originally from Honduras, Emerson obtained his bachelor's degree from Zamorano University and his master's degree in food science and technology from the University of Nebraska-Lincoln (UNL). He gained two years of experience as a production supervisor in a Honduran palm oil refinery, aimed at extracting bioactive compounds from palm oil, sparking his interest in the direct impact of food components on human health. This experience led him to transition to academia, where he researched the health benefits of bioactive compounds derived from whole foods. His doctoral research evaluates the anti-hypertensive activity of egg white hydrolysate, the impact of its digestion-resistant protein on the gut microbiome, and its subsequent effects in hypertension. Emerson is currently a Ph.D. Candidate in the Department of Food Science and Technology at UNL.