

# ANIMAL SCIENCES FACULTY CANDIDATE

APRIL 21, 2025

9:30 A.M.

CRTN 1042

ZOOM: <https://purdue-edu.zoom.us/j/95785218121>

## RESEARCH SEMINAR: INTEGRATED APPROACHES TO UNDERSTANDING THE FUNCTIONALITY OF AMINO ACIDS AND FEED ADDITIVES IN NON-RUMINANT NUTRITION AND MANAGEMENT.

### Synopsis:

Proteins and amino acids constitute a significant portion of feed ingredients that are used in non-ruminant diets to improve animal growth and health. Feed additives are also provided in animal rations to improve nutrient digestibility and productivity, thus warranting the need to better understand their roles and potential interactions. This seminar will examine the functional roles of amino acids and various feed additives in meeting the nutritional, production, health, and sustainability goals of non-ruminant animals.

### Background:

Dr. Victoria Uyanga is an Assistant Professor of Animal Science at Lincoln University of Missouri. She earned her Ph.D. in Animal Nutrition and Physiology from Shandong Agricultural University, China, with research focused on L-citrulline's role in heat-stressed and immune-challenged chickens. She completed postdoctoral training in animal nutrition and immunology at Iowa State University. Dr. Uyanga's work explores the intersection of nutrition, environment, and immunity in animal production, with research interests in amino acid nutrition, alternative feed ingredients, heat stress, and nutrient-gene interactions. She provides mentorship to students in nutrition, physiology, production, and animal health.



**Dr. Victoria Uyanga**

*Assistant Professor, Lincoln University, MO*