

# ANIMAL SCIENCES FACULTY CANDIDATE

APRIL 29, 2025

9:30 A.M.

CRTN 1042

ZOOM: <https://purdue-edu.zoom.us/j/92626298907>

## RESEARCH SEMINAR: NON-RUMINANT NUTRITION AND SUSTAINABILITY RESEARCH PROGRAM FOR SUSTAINABLE LIVESTOCK PRODUCTION AND ONE HEALTH

### Synopsis:

This research seminar presents a vision for non-ruminant nutrition and nutrient management program through interdisciplinary research, innovation, and collaboration. Drawing on experiences from graduate and postdoctoral programs, current research program, and future research plans at Purdue University, it outlines short- and long-term research goals, funding strategies, and industry partnerships. Emphasis will be placed on sustainable livestock production systems to improve animal productivity and health, environmental stewardship, and One Health.

### Background:

Dr. Jinsu Hong is a Researcher in Animal Science at the University of Minnesota, specializing in monogastric nutrition and sustainable livestock production. His work focuses on using alternative feed ingredients and agro-industrial byproducts to enhance animal performance and reduce environmental impacts. He applies life cycle assessment and systems-level thinking to develop nutrient management strategies that support circular agriculture and One Health. Through interdisciplinary research and global collaboration, Dr. Hong advances sustainable and resilient food animal systems.



**Dr. Jinsu Hong**

*Research Scientist, University of Minnesota,*

*St. Paul*