

# SEMINAR SERIES

Supported by The Department of Biomechanics and  
The Center for Research in Human Movement Variability (MOVCENTR)



## BRINGING TECHNOLOGY TO ANIMAL PRODUCTION FACILITIES

Featuring Dr. Tami Brown-Brandl  
University of Nebraska-Lincoln



October 11, 2019 | 12:00 - 1:15 pm | BRB 167  
Parking Available in Lot T

### ABSTRACT

Understanding the needs of our current animal facilities highlights gaps and opportunities for innovation within our animal facilities. Currently, animal production facilities are under pressure to increase animal welfare, decrease antibiotic use, reduce their environmental footprint, all while maintaining a high-quality and safe food product with the added challenge of not being able to find employees. While understanding the building in which we house livestock, animal behavior and response, technology, consumer wants, and producer constraints, we can create the next generation of animal production facilities. During this talk, the basics of swine production, the challenges producers face, and some research results that show promise in changing the way we do business.

### ABOUT DR. BROWN-BRANDL

Dr. Tami Brown-Brandl is a professor and Dr. William E. and Eleanor L. Splinter Chair at the University of Nebraska-Lincoln. She received her BS in Biological Systems Engineering at University of Nebraska Lincoln, a dual MS degree in Animal Science and Biological Systems Engineering also from UNL, and a Ph.D. in Agricultural engineering from University of Kentucky. She spent many years at the US Meat Animal Research Center, and recently transitioned to the University of Nebraska-Lincoln. Her research program has been focused on engineering approaches to improve animal well-being and production efficiency. This is accomplished employing by several uniquely focus areas including: *Understanding and prediction animal heat stress, Calorimetry and animal energetics*, and the newest area *Precision Animal Management*.

more info at [cobre.unomaha.edu](http://cobre.unomaha.edu)

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