



CRWAD 2025 - 3 Minute Thesis (3MT) Competition

Saturday, January 18, 2025 – 4 to 6pm

Salon II – Chicago Marriott Downtown Magnificent Mile

Start Time*	Name	Institution	Title
4:00 PM	Let's Get Ready to Rumble!! Introductions and opening remarks.		
4:05 PM	Ursula Abou-Rjeileh	Michigan State University	Fueling Dairy Cows: A Simple Fat for Better Health and Performance
4:10 PM	Sara Dolatyabi	The Ohio State University	Nanovaccine and probiotic integration: pioneering a new era in <i>Salmonella</i> prevention in poultry
4:15 PM	Kayla Hazlett	Texas A&M University	Uncovering hidden origins: using alternative sequencing methods to map strain-level populations of prevalent liver abscess taxa along the gut-liver axis
4:20 PM	Niloufar Ghahari	Purdue University	Inflammatory pathways contribute to pathology of <i>Clostridioides difficile</i> infection in a murine model.
4:25 PM	Mahamudul Hasan	Kansas State University	Understanding the epidemiology and mortality-associated factors of atypical canine infectious respiratory disease complex
4:30 PM	Bala M. Reddi	Iowa State University	Integration of automation with 384-well RT-qPCR assay advances high-volume diagnostic testing for Porcine Reproductive and Respiratory Syndrome Virus (PRRSV)
4:35 PM	Madison Myers	Michigan State University	The fat of the matter: The role of endocannabinoids in dairy cow health
4:40 PM	Jodie Allen	University of Connecticut	From Farm to Fork: Eugenol nanoemulsion as a safe and effective approach to control <i>Salmonella Enteritidis</i> in poultry
4:45 PM	Klao Runcharoon	University of Georgia	Defending Poultry: Unraveling APEC's Virulence to drive new innovations in vaccine strategies against colibacillosis
4:50 PM	Alaina Macdonald	University of Guelph	Emerging disease at the global wildlife-livestock-human interface
4:55 PM	Hudson McAllister	Texas A&M University	Challenging paradigms: how management decisions effect long term health outcomes.
5:00 PM	Vignesh Palanisamy	Texas A&M University	Coevolutionary Protein arms-race Between Phages and Bacteria in Beef-Processing Plant Drains
5:05 PM	Ana F. Castillo Espinoza	Iowa State University	Air-liquid cultured porcine-derived primary respiratory epithelial cells (ALI-PRECs) as a model for studying <i>Mycoplasma hyopneumoniae</i>
5:10 PM	Pankaj Gaonkar	Auburn University	Tracking antibiotic resistance from poultry farms to our plate
5:15 PM	Bradly Ramirez	Texas A&M University	Host-environment omics and interactions for health prediction and outcomes
5:20 PM	Samuel Ajulo	Texas Tech University	Unraveling the Antibiotic-dependent Evolutionary Changes in Globally Emerging Multidrug-resistant <i>Salmonella</i>
5:25 PM	Kirsten Zwally	Texas A&M University	Microbial Gatekeeping: Understanding and Preventing the Spillover of Zoonotic Disease
5:30 PM	Leya S. Viju	University of Connecticut	Enhancing Poultry Safety: Linalool as a One-Step Solution to Combat <i>Salmonella</i> and <i>Campylobacter</i> in Chickens
5:35 PM	Yamima Tasnim	Texas Tech University	Beware of goose dropping at the recreational parks: The carriage of beta-lactamase-producing <i>Escherichia coli</i> in migratory geese
5:40 PM	Bryanna Fayne	University of Tennessee	Are mice resistant to leptospirosis? I doubt it!
5:45 PM	Valeria Lugo-Mesa	Texas A&M University	Diving into the <i>Salmonella</i> Saga: Linking populations in feedlot holding ponds to those in cattle feces and the overall microbial metropolis
5:50 PM	Janice O'Brien	Virginia Tech University	Barking Up the Right Tree: Nutrition Lessons from Dogs
6:00 PM	Awards Presentations		

*Start times are approximate; presentations will begin after transitioning from teh previous presentation is completed.