

## Join Us in Leipzig: UMN Showcases Top Swine Health Studies at IPVS 2024

For those attending the 27th International Pig Veterinary Society (IPVS) Congress in Leipzig, Germany on June 4-7, 2024, we are excited to invite you to support the University of Minnesota! Join us as we present groundbreaking scientific works in collaboration with swine veterinarians, producers and experts from various institutions. Here's the schedule of our presentations:

### June 5, Wednesday:

- **Rapid evolution of PRRSV. Is it possible to predict the emergence of new PRRSV variants?** (17:00, Plenary)  
Dr. Kim VanderWaal at the Zoetis Symposium
- **Predicting PRRSV-2 Variant Emergence: Insights From A Decade Of Genomic Analysis** (10:30, Plenary)  
N. Pamornchainavakul, M. Kikuti, I.A. Paploski, C. Corzo, K. Vanderwaal (oral presentation)
- **Percolation Of Virus: A Possible Transmission Route For PRRS Virus** (11:15, Plenary)  
J. Alvarez-Norambuena, A. Quinonez, S. Goyal, C. Corzo (oral presentation)
- **Repeat Offenders: PRRSV-2 Clinical Re-Breaks From A Whole Genome Perspective** (12:25, E-poster station n. 3)  
J. Baker, A. Rovira, K. Vanderwaal (chaired poster)
- **A Decade-Long Retrospective Study On Porcine Epidemic Diarrhea Virus (PEDV) Associated Factors To Time-To-Stability And Time-In-Positive In United States Breeding Herds** (12:30, E-poster station n. 3)  
X. Yue, M. Kikuti, M. Melini, C. Corzo (chaired poster)
- **The Evolution Of Antimicrobial Resistance Of *Streptococcus suis* Isolated From The Nervous System** (14:15, Hall 1)  
S. Rodrigues Chagas, E. Paladino, C. Gebhart, L. Mendonça Pascoal, R. Singer, F. Vannucci (oral presentation)
- **Detection Of Multiple Porcine Viruses Using Target Enrichment And Real-Time Long-Read Sequencing From Oral Fluid Field Samples Through Telsvirus Workflow** (15:50, Plenary)  
M. Meneguzzi, J. Bravo, C. Boucher, M. Torremorell, N. Noyes (oral presentation)

### June 6, Thursday:

- **Evaluation Of PRRSV Onset Of Infection Using Oral Fluids And Air Emissions Sampling** (11:30, Hall 1)  
M. Schwartz, C. Snow, M. Torremorell, A. Rendahl, S. Krebs, M. Pieters (oral presentation)
- **Prediction Of Piglet Throughput After Live Virus Exposure In Breeding Herds Undergoing PRRS Elimination** (12:30, E-poster station n. 2)  
E. Paladino, C. Corzo, A. Betlach, A. Rendahl, M. Pieters, R. Singer (chaired poster)
- **Characterization Of Circulating *Mycoplasma hyopneumoniae* Variants Using Multiple-Locus Variable Number Tandem Repeat Analysis And P146 Gene Sequencing** (12:50, E-poster station n. 2)  
A. Betlach, D. Marthaler, E. Fano, M. Pieters (chaired poster)
- **Environmental Viability Of *Mycoplasma hyopneumoniae* And Its Potential For Indirect Transmission** (13:30, Plenary)  
C. Cordon, A. Canturri, R. Evelsizer, M. Pieters (oral presentation)
- **Evaluation Of Cleaning Compounds To Minimize Sample Cross-Contamination For Detection Of *Mycoplasma hyopneumoniae* By PCR** (13:45, Plenary)  
C. Snow, A. Canturri, M. Pieters (oral presentation)
- **Evidence Of *Mycoplasma hyopneumoniae* Recirculation In Previously Exposed Immune Sows** (14:00, Plenary)  
P. Yeske, A. Betlach, E. Fano, M. Schwartz, J. Schwartz, M. Pieters (oral presentation)

### June 7, Friday:

- **Lifetime RFID Ear Tag Retention In A Commercial & Field-Based Research Trial** (10:45 Hall 1)  
H. Schwecke, M. Pieters (oral presentation)

We also thrilled to tell you that the University of Minnesota Swine Group will be presenting the - *IPVS Minneapolis 2028*- bid in Leipzig. Visit us at the booth and help us support IPVS Minneapolis 2028! Check the full list of poster presentations on the MSHMP website (<https://mshmp.umn.edu>).

## UMN Poster presentations at IPVS 2024

- **Evaluation of Sanger sequencing limitations on the detection of PRRS co-infections.**  
J. Álvarez-Norambuena, M. Kikuti, A. Rovira, C.A. Corzo
- **How many PRRS outbreaks are there? An early warning tool for disease occurrence in the U.S. breeding herds**  
X. Yue, M. Kikuti, C.M. Melini, C.A. Corzo
- **Monitoring the Emergence of PRRSV Variants**  
M. Kikuti, C.M. Melini, X. Yue, I.A.D. Paploski, N. Pamornchainavakul, J. Baker, D. Makau, K. VanderWaal, C. A. Corzo
- **Accuracy of tongue tips and other welfare-friendly postmortem samples for detecting PRRSV**  
M. Kikuti, C.M. Melini, X. Yue, M. Culhane, C.A. Corzo
- **Assessment of Porcine Reproductive and Respiratory Syndrome virus (PRRSv) farm surface contamination through environmental sampling**  
C.M. Melini, M. Kikuti, M. Torremorell, L. Bruner, C. Stahl, B. Roggow, P. Yeske, B. Leuwerke, M. Allerson, K. O'Brien, M. Schwartz, C.A. Corzo
- **Evaluation of the infectivity of three wild-type porcine reproductive and respiratory syndrome virus (PRRSV) variants**  
C.M. Melini, M. Kikuti, M. Torremorell, K. VanderWaal, S. Rossow, C.A. Corzo
- **Forecasting outbreaks of PEDV for near real-time data-informed decision making**  
K. VanderWaal, I.A.D. Paploski, R. Bhojwani, C.A. Corzo
- **Weathering the storm: extreme weather events and their association with PED and PRRS occurrence**  
I.A.D. Paploski, G. Kiesel, D.N. Makau, N. Pamornchainavakul, J.P. Baker, M. Kikuti, C.A. Corzo, K. VanderWaal
- **Risk factor analysis for PRRS virus in Minnesota's alternative pig farms (APFs)**  
M.B. Medrano, M.R. Culhane, C.A. Corzo
- **Pigs co-infected with multiple influenza A virus subtypes under field conditions**  
J. Alvarez-Norambuena, C. Li, M. Yang, M. Culhane, M. Torremorell
- **Evaluation of hand washing hygiene procedures to mitigate risk of influenza A virus transmission**  
M. Torremorell, L. Davis, J. Alvarez-Norambuena, M. Culhane, M. Yang
- **Estimation of Mycoplasma hyopneumoniae transmission parameters using expert knowledge elicitation**  
A. Sponheim, J. Alvarez, E. Fano, M. Pieters
- **Development of an accessible, practitioner-focused outreach tool for Mycoplasma hyopneumoniae eradication**  
A. Sponheim, E. Fano, M. Pieters
- **Tonsillar detection of Mycoplasma hyosynoviae in growing pigs based on vaccination status**  
H. Schwecke, E. McDowell, A. Sponheim, J. Nerem, E. Fano, R. Valeris-Chacin, M. Pieters
- **Detection of Mycoplasma hyopneumoniae by PCR in feral swine in North Carolina**  
M. Pieters, C. Harris, C. Cordon, A. Loucks
- **Antimicrobial resistance in Streptococcus suis from pigs: should we be concerned?**  
S. Chagas, E. Paladino, R. Singer, L. Mendonça Pascoal, F. Vannucci
- **Ileitis vaccination: assessment of immune response and clinical signs in pigs co-infected with Lawsonia intracellularis and Brachyspira hyodysenteriae**  
S. Chagas, P. Jensen, E. Paladino, L. Mendonça Pascoal, S. Von Berg, C. Gebhart, F. Vannucci
- **The evolution of antimicrobial resistance of Streptococcus suis isolated from the central nervous system**  
S. Chagas, E. Paladino, C. Gebhart, L. Mendonça Pascoal, R. Singer, F. Vannucci