

Christopher J. Rademacher, DVM

Clinical Professor - Swine Extension Veterinarian - Associate Director, Iowa Pork Industry Center

Department of Veterinary Diagnostic and Production Animal Medicine

College of Veterinary Medicine, Iowa State University, Ames, IA, 50011

Education

<u>Institution</u>	<u>Degree</u>	<u>Date</u>	<u>Major</u>
University of Minnesota	DVM	1998	Doctorate of Veterinary Medicine
University of Minnesota	B.S.	1996	Veterinary Science

Record of Professional Experience

Aug 2023-Present	Associate Director, Iowa Pork Industry Center. Iowa State University Ames, IA.
Jun 2018-July 2022	
Aug 2022-July 2023	Interim Director, Iowa Pork Industry Center. Iowa State University Ames, IA.
May 2019-Present	Clinical Professor, Department of Veterinary Diagnostic and Production Animal Medicine. College of Veterinary Medicine, Iowa State University, Ames, IA.
Jan 2017-April 2019	Clinical Associate Professor, Department of Veterinary Diagnostic and Production Animal Medicine. College of Veterinary Medicine, Iowa State University, Ames, IA.
Dec 2014-Dec 2016	Senior Clinician, Department of Veterinary Diagnostic and Production Animal Medicine. College of Veterinary Medicine, Iowa State University, Ames, IA.
Jun 2009-Nov 2014	Director of Production Improvement, Murphy-Brown Western Operations (Smithfield Foods), LLC. Ames, IA.
Jun 1998-Jun 2009	Director of Health Strategies, New Fashion Pork, Inc., Jackson, MN.

Professional Organization Membership and Activities

- American Association of Swine Veterinarians, Member (1994-present)
 - American Association of Swine Veterinarians Pharmaceutical Issues Committee (2015-present)
 - Chair, American Association of Swine Veterinarians Pharmaceutical Issues Committee (2017-2018, 2020-2023)
 - American Association of Swine Veterinarians Annual Meeting Organizing Committee (2004, 2009, 2012-2023)
 - Session Chair, Research Topics Section, American Association of Swine Veterinarians Annual Meeting (2010-present)
 - American Association of Swine Veterinarians Animal Welfare Committee (2015-2023)
 - AASV Subcommittee on Swine Depopulation (2020-present)
 - American Association of Swine Veterinarians Human Health Committee (2015-2022)
 - American Association of Swine Veterinarians Board of Directors - District 6 Director (2021-present)
- Swine Health Information Center Monitoring and Analysis Working Group (2016-current)
- Swine Health Information Center ASF Boar Stud Risk Assessment Working Group (2020-current)
- Swine Health Information Center Wean to Finish Proposal Reviewer (2022-current)
- United State Swine Health Improvement Plan Pilot Project Organizing Committee (2019-current)
- United State Swine Health Improvement Plan Biosecurity Site Plan Working Group (2021-current)

- National Pork Board PQA Version 6.0 Task Force (2023)
- National Pork Board PQA Version 5.0 Task Force (2020)
- National Secure Pork Supply – Implementation Task Force (2015-2018)
- Iowa Resource Coordination Center – Team Lead - Depopulation and Disposal (2020)
- Chairman, James D. McKean ISU Swine Disease Conference (2015-present)
- PAACO Foundation Trainer and Subject Matter Expert - Common Swine Industry Audit (2015-current)
- Iowa State University Precision Livestock Farming Committee (2018-current)
- Iowa Pork Producers Association, Member (2014-current)
 - IPPA Foreign Animal Disease Task Force (2019-current)
 - IPPA Exhibition Pig Task Force (2019-current)
 - IPPA Swine Health Committee (2015-current)
 - IPPA Elections Committee (2015-current)
 - IPPA Depopulation and Disposal Task Force (2021-current)
- Iowa Swine Day Organizing Committee (2014-current)
- Iowa Farm Animal Care Livestock Truck Rollover Task Force (2018-current)
- Global Vet Link Expert Council (2015-current)

University Service

- Iowa Pork Industry Center Extension Swine Field Specialist Committee Member (2023-2024)
- Iowa Pork Industry Center Program Specialist Search Committee Member (2023)
- Swine Production Medicine Search Committee (2023)
- Dairy Production Medicine Search Committee (2023)
- NIAMRRE One Health Pork Standards Committee (2020-2022)
- ISUEO Workgroup to Advance Faculty Scholarship in Extension and Outreach (2020-2023)
- CVM Term Faculty Advancement Committee (2019-present)
- Swine Medicine Education Center Advisory Board (2019-present)
- Iowa State University Antimicrobial Resistance Consortium Member (2018-present)
- Iowa Farm Animal Care (IFAC) - Investigative Team (2017-current)
- ISU Mycoplasma Research Interest Group (2014-2018)
- Experimental Course Reviewer, VDPAM 478a, VDPAM 463, and VDPAM478c (2017-2019)
- Iowa State University Content Coordinator, National Hog Farmer e-newsletter (2015-current)
- VDPAM Curriculum Committee Member (2017-present)
- Iowa Pork Industry Center Program Specialist Search Committee Member (2017)
- Iowa Pork Industry Center Extension Specialist Search Committee Member (2016)
- VDPAM Department Head 5-year Review Committee Member (2016)
- VDPAM Swine Entrepreneurship Faculty Position Search Committee (2015)

Peer reviewer of scientific manuscripts and grants

- Review Panel Member, 2021 USDA APHIS National Animal Disease Preparedness and Response Program
- Reviewer, Zoonosis and Public Health (2020)
- Reviewer, Research in Veterinary Science (2020-current)
- Reviewer, Computers and Electronics in Agriculture (2018-current)
- Reviewer, Journal Swine Health and Production (2006-2009, 2012-current)
- Reviewer, Transboundary and Emerging Diseases (2016-current)

Awards Received

- ISU CVM Award for Early Achievement in Extension or Professional Practice, 2020.
- Alex Hogg Memorial Scholarship, American Association of Swine Veterinarians, 2015
- Pfizer “10 under 40” Award Winner, 2011

Peer Reviewed Publications (Since appointment to ISU):

37. Crawford K, Saltzman R, Ellingson J, Thomas P, **Rademacher C**, Karriker L. Efficacy of ivermectin administration to growing pigs after a virulent porcine reproductive and respiratory syndrome virus 1-4-4 L1C challenge. *J Swine Health Prod.* 2024;32(4):164-172. <https://doi.org/10.54846/jshap/1368>
36. Harlow, M.; Torremorell, M.; **Rademacher, C.J.**; Gebhardt, J.; Holck, T.; Linhares, L.C.M.; Main, R.G.; Trevisan, G. Biosecurity Insights from the United States Swine Health Improvement Plan: Analyzing Data to Enhance Industry Practices. *Animals* 2024, 14, 1134. <https://doi.org/10.3390/ani14071134>
35. **Rademacher CJ**, Greiner LL, Radke SL. Management of sodium ion toxicosis - water deprivation syndrome. *J Swine Health Prod.* 2023;31(6):000-000. <https://doi.org/10.54846/jshap/1353>
34. Magalhaes ES, Zhang D, Wang C, Thomas P, Moura CAA, Holtkamp DJ, Trevisan G, **Rademacher C**, Silva GS, Linhares DCL. Field Implementation of Forecasting Models for Predicting Nursery Mortality in a Midwestern US Swine Production System. *Animals.* 2023; 13(15):2412. <https://doi.org/10.3390/ani13152412>
33. Paiva RC, Moura CA, Thomas P, Haberl B, Greiner L, **Rademacher CJ**, Silva APSP, Trevisan G, Linhares DCL, Silva GS. Risk factors associated with sow mortality in breeding herds under one production system in the Midwestern United States. *Prev Vet Med.* 2023;213:105883. doi:10.1016/j.prevetmed.2023.105883
32. Brown, J.Poonsuk, K. Cheng, T.-Y. **Rademacher, C.** Kalkwarf, E. Tian, L. McKeen, L.A. Wang, C. Gimenez-Lirola, L. Baum, D. Karriker, L.A. Comparison of Two Diagnostic Assays for the Detection of Serum Neutralizing Antibody to Porcine Epidemic Diarrhea Virus. *Animals* 2023, 13, 757. <https://doi.org/10.3390/ani13040757>
31. Dewell, G. A., **Rademacher, C. J.**, and Sato, Y. 2022. Review of regulations and indications for the use of in-feed antimicrobials for production animals. *Journal of the American Veterinary Medical Association.* <https://doi.org/10.2460/javma.22.07.0300>.
30. **Rademacher, C.**, Brown, J., and Karriker, L. 2022. Impact of human behavior on the spread of African swine fever virus: what every veterinarian should know. *Journal of the American Veterinary Medical Association* 260, 12, 1413-1417, available from: < <https://doi.org/10.2460/javma.22.06.0250>>
29. Elefson S, Ross JW, **Rademacher C**, Pollmann S, Greiner LL. PSVII-2 Effects of Oxidized Beta-Carotene on Sow Reproduction and Piglet Growth Performance. *J Anim Sci.* 2022;100(Supplement_2):171. doi:10.1093/jas/skac064.291.
28. Taylor WE, Romoser M, Stender D, **Rademacher C**, Ross JW, Stalder KJ. Body Condition Association with Production Records and Feed Management Decisions. *J Anim Sci.* 2022;100(Supplement_2):118. doi:10.1093/jas/skac064.199.
27. Johnson, A., **C. Rademacher**, J. Eggers, N. Gabler, L. Greiner, J. Kaisand, L. Karriker, S. Millman, J. Patience, B. Ramirez, L. Schulz, S. Webb and J. Ross. 2021. Innovative strategies for managing swine welfare during the COVID-19 pandemic in Iowa. *Translational Animal Science.* DOI:<https://doi.org/10.1093/tas/txab225>
26. Magalhães ES, Zimmerman JJ, Thomas P, Moura CAA, Trevisa G, Holtkamp DJ, Wang C, **Rademacher C**, Silva GS, Linhares DCL. Whole-herd risk factors associated with wean-to-finish mortality under the conditions of a Midwestern USA swine production system. *Preventive Veterinary Medicine.* 2021; 198:105545. doi: 10.1016/j.prevetmed.2021.105545..

25. Baysinger A, Senn M, Gebhardt J, **Rademacher C**, Pairis-Garcia M. A case study of ventilation shutdown with the addition of high temperature and humidity for depopulation of pigs. *J Am Vet Med Assoc.* 2021;259(4):415-424.
24. Almeida MN, Rotto H, Schneider P, Robb C, Zimmerman JJ, Holtkamp DJ, **Rademacher CJ**, Linhares DCL. Collecting oral fluid samples from due-to-wean litters. *Prev Vet Med.* 2020 Jan;174:104810. doi: 10.1016/j.prevetmed.2019.104810. Epub 2019 Nov 4. PMID: 31756669
23. Romoser MR, Hale BJ, Seibert JT, Gall T, **Rademacher CJ**, Stalder KJ, Baumgard LH, Keating AF, Ross JW. Methods for reproductive tract scoring as a tool for improving sow productivity. *Transl Anim Sci.* 2020;4(1):txz160. doi:10.1093/tas/txz160.
22. Johnson AK, Colpoys JD, Garcia A, Jass C, Millman ST, Pairis-Garcia MD, **Rademacher CJ**, Weimer SL, Azarpajouh S. A proactive blueprint to demonstrate on-farm animal welfare. *CAB Reviews.* 2019;14(037):1-8.
21. Brown J, **Rademacher C**, Baker S, et al. Efficacy of a commercial porcine epidemic diarrhea virus vaccine at reducing duration of viral shedding in gilts. *J Swine Health Prod.* 2019;27(5):256-264
20. Ramirez, B.C.; Xin, H.; Halbur, P.G.; Beermann, D.H.; Hansen, S.L.; Linhares, D.C.L.; Peschel, J.M.; **Rademacher, C.J.**; Reecy, J.M.; Ross, J.W.; Shepherd, T.A.; Koltes, J.E. At the Intersection of Industry, Academia, and Government: How Do We Facilitate Productive Precision Livestock Farming in Practice? *Animals* 2019, 9, 635
19. **Rademacher CJ**, Pudenz CC, Schulz LL. Impact assessment of new US Food and Drug Administration regulations on antibiotic use: A post-enactment survey of swine practitioners. *J Swine Health Prod.* 2019;27(4):210–220.
18. Mehling S, Henao-Diaz A, Maurer J, Kluber E, Stika R, **Rademacher C**, Zimmerman J, Giménez-Lirola L, Wang C, Holtkamp DJ, Main R, Karriker L, Linhares DCL, Breuer M, Goodell C, Baum D. Mortality patterns in a commercial wean-to-finish swine production system. *Vet Sci.* 2019;6(49):1-11.
17. Buckley, A., Montiel, N., Guo, B., Kulshreshtha, V., van Geelen, A., Hoang, H., **Rademacher, C.**, Yoon, K. J., Lager, K. (2018). Dexamethasone treatment did not exacerbate Seneca Valley virus infection in nursery-age pigs. *BMC veterinary research*, 14(1), 352. doi:10.1186/s12917-018-1693-8
16. Poonsuk, K., Giménez-Lirola, L. G., Magtoto, R. L., Ji, J., Baum, D. H., **Rademacher, C. J.**, Brown J.T., Zhang, J.Q., Wang, C., Main R., Zimmerman, J. J. (2018). The effect of chemical clarification of oral fluids on porcine epidemic diarrhea virus antibody responses. *Journal of Veterinary Diagnostic Investigation*, 30(6), 937–941. <https://doi.org/10.1177/1040638718798672>
15. Rawal G, Arruda P, **Rademacher C**, Ran Bi, Daniel C. L. Linhares. General overview of the detection of *Mycoplasma hyopneumoniae* DNA by quantitative polymerase chain reaction in diagnostic cases submitted to the Iowa State University Veterinary Diagnostic Laboratory from 2004 to 2016. *J Swine Health Prod.* 2018;26(6):309-315
14. Olsen, K.M, N.K. Gabler, **C.J. Rademacher**, K.J. Schwartz, W.P. Schweer, G.G. Gourley and J.F. Patience. 2018. The effects of group size and sub-therapeutic antibiotic alternatives on growth performance and morbidity of nursery pigs: a model for feed additive evaluation. *Trans. Anim. Sci* 2:298-310 doi: 10.1093/tas/txy068.
13. Schulz LL, **Rademacher CJ**. Food and Drug Administration Guidance 209 and 213 and Veterinary Feed Directive regulations regarding antibiotic use in livestock: A survey of preparation and anticipated impacts in the swine industry. *J Swine Health Prod.* 2017;25(5):247–255
12. Baker KL, Mowrer C, Canon A, Linhares DCL, **Rademacher C**, Karriker LA, Holtkamp DJ. Systematic Epidemiological Investigations of Cases of Senecavirus A in US Swine Breeding Herds. 2017. *Transboundary and emerging diseases* 64 (1), 11-18
11. Gimenez-Lirola LG, **Rademacher C**, Linhares D, Harmon K, Rotolo M, Sun Y, Baum DH, Zimmerman J, Piñeyro P. 2016. Serological and molecular detection of Senecavirus A associated with an outbreak of swine idiopathic vesicular disease and neonatal mortality. *J Clin Microbiol* 54:2082–2089.

10. M Pairis-Garcia, **C. J. Rademacher**. 2016. 0098 The Common Swine Industry Audit: Future steps to assure positive on-farm animal welfare utilizing validated, repeatable, and feasible animal-based measures. *J. Anim. Sci.* 94(Suppl5):45-45.
9. MD Pairis-Garcia, AK Johnson, S Azarpajouh, JD Colpoys, **CJ Rademacher**, ST Millman, SR Webb. 2016 The US swine industry; historical milestones and the future of on-farm swine welfare assessments. *CAB Rev.* 11 (25), 1-9.
8. AM Danielson, S Azarpajouh, RB Baker, **CJ Rademacher**, JS Dickson, AK Johnson, LA Karriker, TT Bigelow, KJ Stalder. 077 *Enterobacteriaceae* counts from livestock truck wash stations offering different service levels located in Iowa. *J. Anim. Sci.* 94(Suppl2):36-36.
7. EA Hines, JT Seibert, SK Stoakes, KL Graves, BJ Hale, M Abuajamieh, CL Hager, **C Rademacher**, LH Baumgard, AF Keating, JW Ross. 2016. 334 Evaluation of physiological indicators of heat stress and their association with seasonal infertility in first parity sows. *J. Anim. Sci.* 94(Suppl2):151-157.
6. Guo B, Piñeyro PE, **Rademacher CJ**, Zheng Y, Li G, Yuan J, Hoang H, Gauger PC, Madson DM, Schwartz KJ, Canning PE, Arruda BL, Cooper VL, Baum DH, Linhares DC, Main RG, Yoon K-J. 2016. Emergence of Senecavirus A genetically distinct from historical Seneca Valley viruses in US swine with vesicular disease. *Emerg Inf Dis* 2016 Jul;22(7):1325-7.
5. Montiel N, Buckley A, Guo B, Kulshreshtha V, VanGeelen A, Hoang H, **Rademacher C**, Yoon K, and Lager K. Vesicular disease in 9-week-old pigs experimentally infected with Senecavirus *Emerg Infect Dis.* 2016 Jul;22(7):1246-8.
4. Zhang JQ, Piñeyro P, Chen Q, Zheng Y, Li G, **Rademacher C**, Derscheid R, Guo B, Yoon KJ, Madson D, Gauger P, Schwartz K, Harmon K, Linhares DC, and Main R. Full-Length Genome Sequences of Senecavirus A from Recent Idiopathic Vesicular Disease Outbreaks in United States. *Genome Announcement* 2015 Nov 12;3(6).
3. Canning P, Canon A, Bates JL, Gerardy K, Linhares DC, Pineyro PE, Schwartz J, **Rademacher CJ**, Holtkamp D, Karriker L. Neonatal mortality, vesicular lesions and lameness associated with Senecavirus A in a U.S. sow farm. *Transboundary and Emerging Diseases* 2016 Aug;63(4):373-8.
2. White D, Rotolo M, Olsen C, Wang C, Prickett J, Kittawornrat A, Panyasing Y, Main R, **Rademacher C**, Hoogland M. 2014. Recommendations for pen-based oral-fluid collection in growing pigs. *J Swine Health Prod* 22(3): 138-141.
1. Pepin BJ, Kittawornrat A, Liu F, Gauger PC, Harmon K, Abate S, Main R, Garton C, Hargrove J, **Rademacher C**. 2013. Comparison of specimens for detection of Porcine Reproductive and Respiratory Syndrome Virus infection in boar studs. *Transboundary and emerging diseases.* 2015 Jun;62(3):295-304.

Peer-Reviewed Publications published prior to appointment at Iowa State University:

6. Olsen C., Wang C., Christopher-Hennings J., Doolittle K., Harmon, K., Abate, S., Kittawornrat A., Lizano S., Main R., Nelson, E., Otterson T., Panyasing Y., **Rademacher C**, Rauh R, Shah R, Zimmerman J. 2013, Probability of detecting Porcine reproductive and respiratory syndrome virus infection using pen-based swine oral fluid specimens as a function of within-pen prevalence. *Journal of Veterinary Diagnostic Investigation*, 2013 May;25(3):328-35.
5. Olsen C, Wang C, Christopher-Hennings J, Doolittle K, Harmon K, Abate S, Kittawornrat A, Lizano S, Main R, Nelson E, Otterson T, Panyasing Y, **Rademacher C**, Rauh R, Shah R, Zimmerman J. 2013. Probability of detecting Porcine reproductive and respiratory syndrome virus infection using pen-based swine oral fluid specimens as a function of within-pen prevalence. *Journal of Veterinary Diagnostic Investigation* 25(3):328-335.
4. Kittawornrat A, Prickett J, Wang C, Irwin C, Panyasing Y, Ballagi A, Rice A, Main R, Johnson J, **Rademacher C**, Hoogland M, Rowland R, Zimmerman J. 2012. Detection of Porcine reproductive and respiratory syndrome virus (PRRSV) antibodies in oral fluid specimens using a commercial PRRSV serum

antibody enzyme-linked immunosorbent assay, *Journal of Veterinary Diagnostic Investigation* 24(2): 262-269.

3. Ramirez A, Wang C, Prickett JR, Pogranichniy R, Yoon KJ, Main R, Johnson JK, **Rademacher C**, Hoogland H, Hoffmann P, Kurtz A, Kurtz E, Zimmerman J. Efficient surveillance of pig populations using oral fluids. *Prev Vet Med.* 2012;104(3-4):292-300.
2. **Rademacher C**. Use of Statistical Process Control in Finishing Records. *J Swine Health Production* 2001;12(1):158-159.
1. **Rademacher C**. Diagnostic Approaches to Swine Central Nervous System Disorders. *J Swine Health Production* 2001;9(1):31-33.

Invited Presentations/Proceeding Papers:

International:

12. **Rademacher C**. A practical approach to early intervention to reduce sow mortality. *26th International Pig Veterinary Society Meeting*. Rio de Janeiro, Brazil. June 21, 2022.
11. **Rademacher C**. Update on Sow Mortality Demonstration Research. *International Conference on Swine Survivability*. Omaha, Nebraska. October 28, 2021.
10. **Rademacher C**. Industry Successes and Failures (Opportunities) in Post-Weaning Survivability. *International Conference on Swine Survivability*. Omaha, Nebraska. October 27, 2021.
9. **Rademacher C**. Detection of PRRSv at low prevalence – Improvement in Monitoring Methods. *3rd Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. December 1, 2018
8. **Rademacher C**. Pelvic Organ Prolapse. *3rd Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. December 1, 2018
7. **Rademacher C**. Control Methods for Influenza A Viruses (IAV) in the U.S. *Asociacion Mexicana de Veterinarios Especialistas en Cerdos*. Querertaro, Querertaro, Mexico. July 19, 2017
6. **Rademacher C**. Swine Bacterial Disease Control Methods. *2nd Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. June 21, 2017
5. **Rademacher C**. Vaccination and Medication Strategies to Optimize Swine Health and Production. *1st Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. September 20, 2016.
4. **Rademacher C**. What we know about PEDV impact and what we can do to minimize it. *2016 International Congress Profitable Pig Production*. Kyiv, Ukraine. June 30, 2016.
3. **Rademacher C**. PRRS Update in the US Swine Industry. *Chinese Veterinary Medical Association Meeting*. Fuzhou City, Fujian, China. November 9, 2015.
2. **Rademacher C**. Meta-Analysis of Efficiencies of Distinct Production Systems. *VII Congreso GITEP 2015*. Rosario, Santa Fe, Argentina. October 22nd, 2015.
1. **Rademacher C**. Prevention and Biosecurity for PRRS and PEDV, my experiences with 330,000 sows. *VII Congreso GITEP 2015*. Rosario, Santa Fe, Argentina. October 22nd, 2015.

National:

19. **Rademacher C**. Past, present, and future challenges for the swine veterinary profession. *Alex Hogg Lecture- American Association of Swine Veterinarian Annual Meetings*. Nashville, TN. February 26, 2024.
18. **Rademacher C**. Swine vet retention survey: What are our colleagues telling us about what's important to them as a swine veterinarian. *Swine Savvy: Mastering the Art of Swine Business Pre-Conference Session-American Association of Swine Veterinarian Annual Meetings*. Nashville, TN. February 24, 2024.

17. **Rademacher C.** Are the bugs or people changing more quickly? Implications of missed execution on health. *Translational Science Symposium-Midwest Animal Science Meetings*. Madison, WI. March 13, 2023.
16. **Rademacher C.** A practical approach to early intervention to reduce sow mortality. *2023 American Association of Swine Veterinarians Annual Meeting – Pig Survivability Pre-Conference Session*. Denver, CO. March 3, 2023.
15. **Rademacher C.** Two-step pneumatic captive bolt euthanasia. *2021 American Association of Swine Veterinarians Annual Meeting – Mass Depopulation Pre-Conference Session. Virtual*. February 28, 2021.
14. **Rademacher C.** Veterinary Feed Directive: Past, Present and Future. *2020 American Association of Swine Veterinarians Annual Meeting*. Atlanta, GA. March 9, 2020.
13. **Rademacher C.** Impact of antibiotic treatment of piglets at processing. *2019 Lemn Conference*. St. Paul, MN. September 17, 2019.
12. **Rademacher C.** Potential risk factors for pelvic organ prolapses: Survey of 104 US commercial breeding farms. *2019 American Association of Swine Veterinarians Annual Meeting*. Orlando, FL. March 10, 2019.
11. **Rademacher C.** Veterinarian oversight of prescriptions and treatment plans. *2019 American Association of Swine Veterinarians Annual Meeting*. Orlando, FL. March 10, 2019.
10. **Rademacher C.** On-farm welfare audits: Preparing your clients. *2017 Pig Welfare Symposium*. Des Moines, IA. September 21, 2017.
9. **Rademacher C, Pairis-Garcia, M.** The Common Swine Industry Audit: Future steps to assure positive on-farm welfare. *2016 American Association of Animal Science - Joint Animal Meetings*. Salt Lake City, UT. July 22, 2016.
8. **Rademacher C.** Antibiotic Use in Animal Agriculture- Where are we going? *2016 National Pork Board Pork Management Conference*. Tampa, FL. July 14, 2016.
7. **Rademacher C.** On-farm welfare audits: Preparing your clients. *2016 American Association of Swine Veterinarians Annual Meeting*. New Orleans, LA. February 29, 2016.
6. **Rademacher C.** Case Reports from Senecavirus A. *American Association of Swine Veterinarians. SMEC Cast Webinar*. October 27, 2015.
5. **Rademacher C.** Use of antibiotics in swine production in the light of new FDA guidelines. *Allee Symposium-Midwest Animal Science Meetings*. March 16, 2015.
4. **Rademacher C, Bradley G, Pollmann S, Coffelt B, Baumgartner M, Baumgartner J.** Electrostatic particle ionization (EPI) improves nursery pig performance and air quality. *Proceedings American Association of Swine Veterinarians Annual Meeting* pp. 257-258. March 2012.
3. **Rademacher C, Schmidt C, Hansen E.** Growth performance benefits of Microbmix® (an environment enhancement agent) in 25-50 pound nursery pigs. *Proceedings of the American Association of Swine Practitioners*. March 2004. pp 163-165.
2. **Rademacher C.** Cost:Benefit analysis of autosort facilities. *Case Studies: Take your thinking cap out of the box. American Association of Swine Veterinarians, Pre-Conference Session #3*. March 2004.
1. **Rademacher C, Dial G, Roker J, and Koketsu Y.** Benchmarking: Building a regional database and establishing performance targets for the growing pig. *Proceedings of the American Association of Swine Practitioners* 1997 pp 271-282.

Regional:

27. **Rademacher C, Brown J, Doughan G, Petersen M, Jayaraman S, Linhares D, Karriker L.** Sow Mortality: A Practical Approach to Early Intervention – *2021 ISU James D. McKean Swine Disease Conference*. Ames, IA. November 4th, 2021. pp. 67-69.

26. **Rademacher C.** Foreign Animal Disease Preparation for Swine Veterinarians and Producers. *2020 Iowa Veterinary Medical Association Winter Meetings*. Des Moines, IA. February 12, 2020.
25. **Rademacher C.** What are we learning about antibiotic use after implementation of FDA Guidances. *2019 Iowa Pork Congress*. Des Moines, IA. January 24, 2019.
24. **Rademacher C.** PED and Senecavirus A Updates. *2018 Iowa Veterinary Medical Association Winter Meetings*. Des Moines, IA. February 14, 2018
23. **Rademacher C.** Euthanasia Workshop. *2018 Iowa Pork Congress*. Des Moines, IA. January 25, 2018
22. **Rademacher C.** VFD: On Farm Implementation. *2017 Iowa Veterinary Medical Association Winter Meetings*. Des Moines, IA. February 8, 2017
21. **Rademacher C,** Linhares D, Pineyro P Gimenez-Lirola L. Senecavirus A Update: What Have We Learned Over the Past 18 Months – *2016 ISU James D. McKean Swine Disease Conference*. Ames, IA. November 4th, 2016. pp. 68-71.
20. **Rademacher C.** Swine Biosecurity Audits. *Iowa State University Egg Symposium*. Ames, IA. October 27, 2016. pp. 9-16.
19. **Rademacher C.** Senecavirus A Update. *2016 Pig Ski Meeting*. Copper Mountain, CO. February 4, 2016.
18. **Rademacher C.** Common Swine Industry Audit. *2016 Pig Ski Meeting*. Copper Mountain, CO. February 4, 2016.
17. **Rademacher C.** Senecavirus A Update. *2016 Iowa Pork Congress*. Des Moines, IA. January 27, 2016.
16. **Rademacher C.** Common Swine Industry Audit – What you need to be prepared for. *2015 ISU James D. McKean Swine Disease Conference*. Ames, IA. November 6th, 2015 pp. 52-54.
15. **Rademacher C.** Case Reports from Senecavirus A. *2015 Allen D. Leman Swine Conference* St. Paul, MN September 22nd, 2015.
14. **Rademacher C.** Practical Considerations for Group Sow Housing. *2015 Allen D. Leman Swine Conference* St. Paul, MN. September 21st, 2015.
13. **Rademacher C.** PEDV Update – What we have learned over the past 2 years. *25th Annual Carthage Veterinary Services Swine Conference* Macomb, IL. September 1st, 2015.
12. **Rademacher C.** The Common Swine Industry Audit – Here’s what is coming. *Iowa Pork Producer Magazine*. July, 2015
11. **Rademacher C.** What you need to be prepared for with the common swine industry audit. *Iowa Swine Day*. June 25, 2015.
10. **Rademacher C.** Coordinated Efforts to Control PRRS within an Internal Region – System Perspective. *Leman Conference, Pre-Conference Session* September 2013.
9. **Rademacher C,** Pollmann, S. Sow Housing Perspective: Murphy-Brown Western Operations. *Leman Conference Pre-Conference Session*. September 2012.
8. **Rademacher C,** Pollmann, S. Seasonal Effects on Sow Herds: Industry Experience and Management Strategies. *Leman Pre-Conference Session-University of Alberta Reproduction Session*. September 2010.
7. **Rademacher C.** Ileitis Control: Still Elusive? *Proceedings Allen D. Leman Swine Conference* 36:91-92. September 2009.
6. **Rademacher C,** Murray D, Oliveira S. Using molecular characterization and genotyping to control neonatal and postnatal diarrhea. *Proceedings Allen D. Leman Swine Conference* 34:72-73. September 2008.
5. **Rademacher C,** Davies P. An in-depth analysis of the effects of facility types on production parameters in a large production system. *Proceedings Allen D. Leman Swine Conference* 33:168. September 2006.
4. **Rademacher C,** Davies P. Factors associated with the incidence of mortality during transport of market hogs. *Proceedings A.D. Leman Swine Conference* 32:186-191. September 2005.
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2. Dial GD, Duangkaew C King V, **Rademacher C**. (1996). The influence of gilt pool on weaned pig output *Proceedings Allen D. Leman Swine Conference*. St. Paul, MN September 1996.
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Media Interviews/Lay Publications

68. **Rademacher, C**. Successful pig farrowing starts at gestation. *Farm & Ranch Guide*. 01/31/2024
67. **Rademacher, C**. Pork quality advisor certification session set. *Southeast Iowa Union*. 1/8/24.
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64. **Rademacher, C**. Gene edited pigs for Porcine Reproductive and Respiratory Syndrome (PRRS). *Ag News Daily*. 10/26/2023
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56. **Rademacher, C.** A Swine Vaccination Administration Plan is More Than a Good Idea, IPIC Says. *Farms.com*. 07/17/2023.
55. **Rademacher, C.** New IPIC swine vaccination guidelines a conversation starting point. *National Hog Farmer*. 07/17/2023.
54. **Rademacher, C.** Biosecurity trailer provides awareness and real-life experience for youth and adults. *Iowa Pork Producer Magazine*. 07/15/2023.
53. **Rademacher, C.** Applications due soon for Iowa PQA Advisor certification. *National Hog Farmer*. 07/06/2023.
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46. **Rademacher, C.** Foreign Animal Disease Preparation Workshops Planned for Iowa Pork Producers. *Farm Journal's Pork*. 08/05/2022.
45. **Rademacher, C.** Iowa workshops to focus on next steps in FAD preparedness on farm. *National Hog Farmer*. 08/04/2022.
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42. **Rademacher, C.** Why We Need a New Partnership Between Swine Farms and Packing Plants. *Farm Journal's Pork*. 02/23/2022.
41. **Rademacher, C.** African Swine Fever Reaches the Caribbean. *JAVMA News*. 09/15/21.
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39. **Chris Rademacher, Tyler Holck.** Compliance and efficiency in swine health documentation. INSIGHT – Livestock Edition. Spring 2020 edition. March 2020.
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33. Amanda Chipman, **Chris Rademacher**, Daniel Linhares, Gustavo Silva, Jason W. Ross. What can 400,000 sows tell us about potential risk factors for pelvic organ prolapses? *National Hog Farmer Magazine – Blueprint Series*. October 2018
32. Gustavo S. Silva, Derald J. Holtkamp, **Chris J. Rademacher**, Alejandro Ramirez, Locke Karriker and Daniel C. L. Linhares. Biosecurity at your hands: measure your risks to control your losses. *National Hog Farmer Magazine – Blueprint Series*. October 2018.
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29. **Chris Rademacher**, Amanda Chipman, Jason Ross. Iowa Pork Industry Center Leading Swine Industry Effort to Address Pelvic Organ Prolapses in Swine Breeding Herds. *National Hog Farmer Website*. 4/03/18.
28. **Rademacher C.** What's in Season. *Pig Health Today*. Issue No. 1. February 2018. pg 26.
27. Gaurav Rawal, Paulo Arruda, **Christopher Rademacher**, Ran Bi, Daniel C L Linhares. Trends of *Mycoplasma hyopneumoniae* detection by qPCR at the Iowa State University Veterinary Diagnostic Laboratory from 2004-2016. *National Hog Farmer Website*. 12/7/17.
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25. Michael Zeller, **Chris Rademacher**, Phil Gauger. Transmission of human seasonal strains of influenza A virus to swine influences viral genetic diversity. *National Hog Farmer Website*. 10/3/17.
24. Scott Radke, **Chris Rademacher**, Steve Ensley. Beware: Ionophore toxicity shows up in swine when it shouldn't. *National Hog Farmer Website*. 6/5/17.
23. **Rademacher C.** VFD paper chase doesn't have to be a chaotic process. *National Hog Farmer*. Vol 62 (3). March 2017. pg 10-15.
22. **Rademacher C.** New Federal Rules for Using Antibiotics On the Farm May Fall Short. *KCUR Radio 89.3*. Kansas City, MO. January 7, 2017.
21. Madson D, Chalupsky E, **Rademacher C.** PCV2 Update. *National Hog Farmer Website*. 10/1/16.
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19. **Rademacher C**, Kraft J, Linhares DCL, Pineyro P, Main R. Senecavirus A Cases Recent Outbreak in Packing Plants. *National Hog Farmer Website*. 08/01/16.
18. **Rademacher C**, Gauger P, Lin K, Zhang JQ, Pineyro P, Harmon K. Porcine Parainfluenza Virus type 1 (PPIV-1): member of the porcine respiratory disease complex? *National Hog Farmer Website*. 05/30/16.
17. Bjustrom-Kraft J, Gimenez-Lirola L, Zimmerman J, Main R, **Rademacher C.** Understanding PEDV shedding and immune response to aid in implementing effective gilt acclimation procedures. *National Hog Farmer Website*. 03/28/16.
16. **Rademacher C.** Antibiotic Regulation Changes for Livestock. *Market to Market*. Iowa Public Television Des Moines, IA. February 26, 2016.
15. **Rademacher C.** Best practices guide farmers in protecting effectiveness of antibiotics. *Iowa Farm Bureau Spokesman*. Des Moines, IA. February 24, 2016. pg. 3
14. **Rademacher C.** Farmers, vets work together on antibiotic stewardship. *Iowa Farm Bureau Spokesman*. Des Moines, IA. February 17, 2016. pg 2.
13. **Rademacher C.** Emerging diseases pose threat to Iowa swine herds. *Iowa Farm Bureau Spokesman*. Des Moines, IA. February 3, 2016. pg.5

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11. **Rademacher C**, Pineyro P, Linhares DCL, Kraft J, Main R. Senecavirus strain change has industry watching closely. *National Hog Farmer – Veterinarians On Call*. February 2016. pg. 38.
10. **Rademacher C**. Current State of PEDV in Swine Industry Interview. *Market Day. RFD Television*. January 8, 2016
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8. **Rademacher C**. ISU veterinarian tells pork producers to keep an eye on virus strain. *Ames Tribune*. Ames, IA January 3, 2016 pg. A3
7. **Rademacher C**. Pig farmers invited to discuss new antibiotic guidelines. *Pork Network Online Version*. December 29, 2015.
6. **Rademacher C**. Vigilance urged as Senecavirus strain hits more pigs. *Feedstuffs Online*. December 15, 2015
5. **Rademacher C**. Stay vigilant for Seneca Valley Virus as cases hit 100. *Pork Network Online Version*. December 15, 2015.
4. **Rademacher C**, Pineyro P, Linhares DCL, Kraft J, Main R. Senecavirus A Case Update. *National Hog Farmer Website*. 12/02/15
3. Arruda P, Arruda B, Schwartz K, **Rademacher C**. Iowa State University and Justin Kuecker, East Fork Swine Veterinary Services (2015). A. pleuropneumonia and A. suis: Diagnostic trends in North America. *National Hog Farmer Website*. 8/3/15.
2. Wilberts B, Schwartz K, **Rademacher C**. The Growing Concern and Impact of Mycoplasma Associated Arthritis. *National Hog Farmer Website*. 6/1/15.
1. **Rademacher C**. Swine Lameness. *DocTalk. RFD Television* May 4, 2015.

Other Invited Presentations, Extension, and Producer Meetings

International:

31. **Rademacher C**. Sow mortality initiatives to reduce sow mortality. JBS-Brazil Veterinary Meeting. September 20, 2023.
30. **Rademacher C**. A practical approach to early intervention to reduce sow mortality. 2022 Saskatchewan Pork Conference. November 15, 2022.
29. **Rademacher C**. Update on Sow Mortality in U.S. *Swine Tech Workshop-Alberta Pork*. Edmonton, Alberta, Canada. October 21, 2021.
28. **Rademacher C**. Roles and Responsibilities of a U.S. Swine Veterinarian. *Joint KSU-DVM Lectureship Series*. Virtual. May 23, 2021
27. **Rademacher C**. E.Coli – The U.S. Experience. *Hipra University*. Toronto, Ontario, Canada. October 2, 2019.
26. **Rademacher C**. Current Trends in Animal Health Webinar. *3rd Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. December 1, 2018
25. **Rademacher C**. PRRS and PEDV Control Methodologies *Muyuan Technical Team Meeting*. Nanyang, China. November 30, 2018
24. **Rademacher C**. Internal Biosecurity Considerations - PEDV. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. November 27, 2018
23. **Rademacher C**. Gilt Development. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. November 28, 2018
22. **Rademacher C**. PEDV Clean Up – Case Presentation. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. November 28, 2018

21. **Rademacher C.** PRRS Control Methodologies. *Muyuan Veterinary Team Meeting*. Nanyang, China. January 19, 2018
20. **Rademacher C.** Batch Farrowing for Disease Control. *Muyuan Veterinary Team Meeting*. Nanyang, China. January 19, 2018
19. **Rademacher C.** How to Train a Qualified Swine Veterinarian. *2nd Annual Sino – U.S. Swine Health Forum*. Nanjing, Jiangsu, China. Nanjing, Jiansu, China. June 20, 2017
18. **Rademacher C.** Swine Veterinarian Case Report Writing. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. June 18, 2017
17. **Rademacher C.** Swine Necropsy Process and Sampling. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. June 18, 2017
16. **Rademacher C.** Swine Disease Surveillance Sampling Designs and Methodologies. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. June 17, 2017
15. **Rademacher C.** 4 Circle Observations Methodologies. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. June 17, 2017
14. **Rademacher C.** Swine Biosecurity. *Boehringer-Ingelheim Elite Campus Technical Team Meeting*. Nanjing, Jiansu, China. June 17, 2017
13. **Rademacher C.** Opportunities for Improved Performance at Wens Multiplication Farms. *Wens Technical Team Meeting*. Guangdong Province, China. June 15, 2017
12. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim- China 30 Years of PRRS Producer Meeting*. Guangzhou, China. June 13, 2017.
11. **Rademacher C.** PEDV Control Methods in the U.S. *CP-China Technical Team Meeting*. Guangdong Province, China. September 27, 2016.
10. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Wens Technical Team Meeting*. Guangdong Province, China. September 27, 2016.
9. **Rademacher C.** PEDV Control Methods in the U.S. *CP-China Technical Team Meeting*. Xian Province, China. September 23, 2016.
8. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *CP-China Technical Team Meeting*. Xian Province, China. September 23, 2016.
7. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim Technical Team Meeting*. Nanjing, Jiansu, China. September 20, 2016.
6. **Rademacher C.** Role of a Veterinarian in a Large Swine Operation. *CP China-Boehringer-Ingelheim Joint Meeting*. Nanjing, Jiansu, China. September 19, 2016.
5. **Rademacher C.** PEDV Update in the U.S. *Boehringer-Ingelheim Smithfield Foods Meeting* Guadalajara, Jalisco Mexico. April 18, 2015
4. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim Producer Meetings* Hermosillo, Sonora Mexico. April 21, 2015
3. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim Producer Meetings* Obregon, Sonora Mexico. April 21, 2015
2. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim Producer Meetings* Tepitlan, Jalisco Mexico. April 22, 2015
1. **Rademacher C.** PRRS Stabilization and Control Methods in the U.S. *Boehringer-Ingelheim Producer Meetings* La Piedad Michoacán Mexico. April 23, 2015

National:

25. **Rademacher C.** PRRS Outbreak Management Program (POMP) Update. *Boeheringer Ingelheim Sales Team Update*. Ames, IA. February 15, 2024.
24. **Rademacher C.** PRRS Outbreak Management Program (POMP) Update. *Boeheringer Ingelheim Technical Service Team Update*. Ames, IA. January 11, 2024.
23. **Rademacher C.** Update on swine retention survey. *AASV Early Career Committee Virtual Presentation*. December 15, 2023.
22. **Rademacher C.** A practical approach to early intervention to reduce sow mortality. *Sow Bridge Virtual Presentation*. Ames, IA. October 4, 2023.
21. **Rademacher C.** US-SHIP Feral Swine Working Group Summary. *US-Swine Health Improvement Plan House of Delegate Meeting*. Bloomington, MN. September 6, 2023.
20. **Rademacher C.** Swine FAD Preparedness in Iowa. *National Association of County Agriculture Agents Annual Meeting*. Des Moines, IA. August 16, 2023.
19. **Rademacher C.** Sow Mortality Applied Research. *National Pork Industry Council Annual Meeting*. Wisconsin Dells, WI. July 9, 2023.
18. **Rademacher C.** PRRS Outbreak Management Program (POMP). *PRRS Management Workshop – James D. McKean ISU Swine Disease Management Pre-Conference Workshop*. Ames, IA. June 27, 2023.
17. **Rademacher C.** NPB-WPX Pig Survivability Update. *Iowa Pork Producer Association-World Pork Expo*. Des Moines, IA. June 8, 2023
16. **Rademacher C.** Key Sow Mortality and Sow Herd Health Correlation Findings. *National Hog Farmer Global Hog Industry Virtual Conference*. Virtual. May 24, 2023.
15. **Rademacher C.** Improved sow livability through refocused individual attention. *Leman Conference*. St. Paul, MN. September 20, 2022.
14. **Rademacher C.** US-SHIP Site Biosecurity Working Group Summary. *US-Swine Health Improvement Plan House of Delegate Meeting*. Bloomington, MN. September 7, 2022.
13. **Rademacher C.** Update on CVI for Production Animal Veterinarians. *Global Vet Link Webinar*. August 24, 2022
14. **Rademacher C.** Iowa Pork Industry Center Update. *Iowa Pork Producer Association-World Pork Expo*. Des Moines, IA. June 8, 2022
12. **Rademacher C.** Update on Ivermectin for PRRSv. *PRRS Management Workshop – World Pork Expo*. June 7, 2022
11. **Rademacher C.** FAD Preparation and Secure Pork Supply Plan Development. *NPB SPS Extension Specialist Trainer Call*. Virtual Meeting. January 10, 2022.
10. **Rademacher C.** Swine Health and Disease. *Swine Across Kansas 4-H Development Series*. Virtual Meeting. May 10, 2021
9. **Rademacher C.** African Swine Fever: Current Status and Producer Preparation. *Neogen Animal Safety Advisory Committee*. Virtual Meeting. December 9, 2020
8. **Rademacher C.** African Swine Fever: Current Status and Producer Preparation. *National Institute of Animal Agriculture Animal Health Emergency Management Council*. Virtual Meeting. July 30, 2020
7. **Rademacher C.** ASF and FAD Producer Preparation. *BioMin Women in Veterinary Medicine Leadership Forum*. Nashville, TN. October 11, 2019
6. **Rademacher C.** Distributor / Feed Mill VFD Q&A Update. *Global Vet Link Webinar Series*. Ames, IA. May 16, 2019
5. **Rademacher C.** Common Swine Industry Audit 3rd Party Auditor Training. *PAACO Training*. Waseca, MN. April 25-26, 2018.
4. **Rademacher C.** Common Swine Industry Audit 3rd Party Auditor Training. *PAACO Training*. Waseca, MN. December 6-8, 2016.

3. **Rademacher C.** VFD: What It Means to Me. *All-Tech Webinar Series for Producers*. Ames, IA. October 13, 2016.
2. **Rademacher C.** VFD's and Swine Production. *Global Vet Link Survival Strategy Webinar Series for Producers*. Ames, IA. August 16, 2016.
1. **Rademacher C,** Linares D. Case Reports from Senecavirus A. *PIC focus group discussion on Swine Idiopathic Vesicular Disease (SIVD) and Seneca Valley Virus (SVV)*. Chicago, IL. September 11, 2015

Regional:

171. **Rademacher C.** What can beef producers learn from swine about biosecurity. *Driftless Region Beef Conference*. Dubuque, IA. January 25, 2024.
170. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. January 18, 2024.
169. **Rademacher C.** Overview of farrowing and early pig management. *University of Montana Extension Webinar Series*. November 6, 2023.
168. **Rademacher C.** Swine Health and Biosecurity. *Women in Ag Workshop Series*. Washington, IA. November 6, 2023.
167. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. October 2, 2023.
166. **Rademacher C.** PRRS Outbreak Management Protocol (POMP). *2023 Carthage Veterinary Service Swine Conference*. Quincy, IL. August 29, 2023
165. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. July 17, 2023.
164. **Rademacher C.** Health Updates from ISU Swine Disease Conference. *2023 Iowa Swine Day*. Ames, IA. June 29, 2023.
163. **Rademacher C.** Sow Mortality – Key Findings. *Hanor Technical Team Meeting*. June 5, 2023.
162. **Rademacher C.** How the Iowa Pork Industry Center Works With Producers. *Iowa Pork Producer Association Producer Meeting*. May 30, 2023.
161. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. April 21, 2023.
160. **Rademacher C.** Swine Health Update - PRRS, PEDV, E.coli. *Purina Technical Group Conference*. West Des Moines, IA. April 18, 2023.
159. **Rademacher C.** FAD Preparation - US SHIP Program. *Iowa Pork Congress*. Des Moines, IA. January 26, 2023.
158. **Rademacher C.** Careers in Swine Veterinary Medicine. *ISU Swine Industry Experience*. Ames, IA. January 12, 2023
157. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. December 20, 2022.
156. **Rademacher C.** A practical approach to early intervention to reduce sow mortality. *2022 Missouri Swine Institute*. November 9, 2022.
155. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. October 10, 2022.
154. **Rademacher C.** FAD Preparedness. *Iowa Pork Industry Center FAD Preparedness Workshop*. Marshalltown, IA. September 21, 2022.
153. **Rademacher C.** FAD Preparedness. *Iowa Pork Industry Center FAD Preparedness Workshop*. Garner, IA. September 13, 2022.
152. **Rademacher C.** FAD Preparedness. *Iowa Pork Industry Center FAD Preparedness Workshop*. Independence, IA. September 12, 2022.
151. **Rademacher C.** FAD Preparedness. *Iowa Pork Industry Center FAD Preparedness Workshop*. Washington, IA. September 1, 2022.
150. **Rademacher C.** FAD Preparedness. *Iowa Pork Industry Center FAD Preparedness Workshop*. Orange City, IA. August 31, 2022.
149. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training*. August 29, 2022.

148. **Rademacher C.** Value of Sow Farm Chores. *2022 Carthage Veterinary Service Swine Conference.* Quincy, IL. August 23, 2022
147. **Rademacher C.** Sow Mortality Risk Factors. *2022 Carthage Veterinary Service Swine Conference.* Quincy, IL. August 23, 2022
146. **Rademacher C.** Next Step in FAD Preparedness – How to Integrate Available Resources. *2022 Iowa Swine Day.* Ames, IA. June 30, 2022
145. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training.* June 29, 2022.
144. **Rademacher C.** PQA Plus Version 5.0 Advisor Training. *PQA Advisor Training.* June 27, 2022.
143. **Rademacher C.** Individual Pig Care Update. *Survivability Intern Workshop.* Ames, IA. June 1, 2022
142. **Rademacher C.** Experiences with Early Identification of At Risk Sows. *PIC Technical Group Conference.* Ames, IA. May 31, 2022.
141. **Rademacher C.** Swine Health Update - PRRS, PEDV, E.coli, APP. *Purina Technical Group Conference.* West Des Moines, IA. May 18, 2022.
140. **Rademacher C.** Sow Mortality Project Update. *2022 Iowa Select Sow Mortality Task Force Meeting.* Iowa Falls, IA. March 31, 2022.
139. **Rademacher C.** Diagnostic Trends – How to apply on the farm. *2022 Hubbard Regional Swine Conference.* Okoboji, IA. March 30, 2022.
138. **Rademacher C.** Swine Health Topics. *2022 Smithfield Grower Meeting.* Schleswig, IA. March 16, 2022.
137. **Rademacher C.** Hot Topics in Swine Health. *2022 Iowa Pork Regional Conference.* Washington, IA. February 24, 2022.
136. **Rademacher C.** Hot Topics in Swine Health. *2022 Iowa Pork Regional Conference.* Nashua, IA. February 23, 2022.
135. **Rademacher C.** Hot Topics in Swine Health. *2022 Iowa Pork Regional Conference.* Osceola, IA. February 22, 2022.
134. **Rademacher C.** Hot Topics in Swine Health. *2022 Iowa Pork Regional Conference.* Orange City, IA. February 21, 2022.
133. **Rademacher C.** Tips for Raising Gilts-Maximizing Breeding Herd Longevity. *Ohio Pork Congress.* Lima, OH. February 9, 2022.
132. **Rademacher C.** Update on Sow Mortality in the U.S. *Ohio Pork Congress.* Lima, OH. February 9, 2022.
131. **Rademacher C.** Update on the US-Swine Health Improvement Plan. *Ohio Pork Congress.* Lima, OH. February 9, 2022.
130. **Rademacher C.** FAD Prep Update. *Iowa Pork Congress.* Des Moines, IA. *January 27, 2022.*
129. **Rademacher C.** Careers in Swine Veterinary Medicine. *ISU Swine Industry Experience.* Ames, IA. January 11, 2022.
128. **Rademacher C.** ASF in Caribbean Update. *JBS Veterinary and Production Team Update.* Virtual. October 22, 2021
127. **Rademacher C.** COVID19 Supply Chain Disruption Lessons Learned about Mass Depopulation and Disposal. *Minnkota AgriBuilders Meeting.* Virtual. March 4, 2021
126. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training.* Virtual. February 21, 2021
125. **Rademacher C.** Hot Topics in Swine Health. *2021 Iowa Pork Regional Conference.* Washington, IA. February 18, 2021
124. **Rademacher C.** Hot Topics in Swine Health. *2021 Iowa Pork Regional Conference.* Waverly, IA. February 17, 2021
123. **Rademacher C.** Hot Topics in Swine Health. *2021 Iowa Pork Regional Conference.* Osceola, IA. February 16, 2021
122. **Rademacher C.** Hot Topics in Swine Health. *2021 Iowa Pork Regional Conference.* Orange City, IA. February 15, 2021
121. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training.* Virtual. December 4, 2020

120. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Virtual. October 16, 2020
119. **Rademacher C.** Veterinarian Perspective of Depopulation due to COVID 19 Supply Chain Interruption. *University of Florida CVM Welfare Club Inaugural Meeting*. Virtual. August 20, 2020
118. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Virtual. August 7, 2020
117. **Rademacher C.** Mass Depopulation and Disposal Experiences. *Montana Board of Animal Health Meeting*. Virtual. July 18, 2020
115. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Virtual. June 7, 2020
114. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Virtual. March 20, 2020
113. **Rademacher C.** FAD Preparation 101. *Furst-McNess Producer Forum*. Des Moines, IA. February 25, 2020
112. **Rademacher C.** FAD Preparation 101. *Many Hats Pork Conference*. Ames, IA. February 25, 2020
111. **Rademacher C.** African Swine Fever – 2020 Edition. *2020 Iowa Pork Regional Conference*. Nashua, IA. February 21, 2020.
110. **Rademacher C.** African Swine Fever – 2020 Edition. *2020 Iowa Pork Regional Conference*. Washington, IA. February 20, 2020.
109. **Rademacher C.** African Swine Fever – 2020 Edition. *2020 Iowa Pork Regional Conference*. Ames IA. February 19, 2020.
108. **Rademacher C.** African Swine Fever – 2020 Edition. *2020 Iowa Pork Regional Conference*. Audubon, IA. February 18, 2020.
107. **Rademacher C.** African Swine Fever – 2020 Edition. *2020 Iowa Pork Regional Conference*. Sheldon, IA. February 17, 2020.
108. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. January 24, 2020
106. **Rademacher C.** FAD Preparation 101. *Iowa Pork Congress Workshop*. Des Moines, IA January 22, 2020
105. **Rademacher C.** FAD Preparation 101. *POET FAD Preparedness Meeting*. Ames, IA December 13, 2019
104. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Tipton, IA December 11, 2019
103. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Audubon, IA December 10, 2019
102. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Ames, IA December 9, 2019
101. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Oskaloosa, IA December 4, 2019
100. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Dike, IA December 2, 2019
99. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. November 22, 2019
98. **Rademacher C.** Update on African Swine Fever. *Interstate Veterinary Meeting*. Sioux City, IA October 3, 2019
97. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. September 20, 2019
96. **Rademacher C.** FAD Preparation 101. *Pig Hill Grower Meeting*. Lester, IA September 10, 2019
95. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Marshalltown, IA August 13, 2019
94. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. August 9, 2019
93. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Washington, IA August 7, 2019
92. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Garner, IA August 6, 2019
91. **Rademacher C.** Update on PRRS Research at ISU. *Form A Feed Summer Meeting*. Okoboji, IA July 31, 2019
90. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. Independence, IA July 30, 2019
89. **Rademacher C.** FAD Preparation 101. *ISU FAD Preparedness Workshop*. LeMars, IA July 29, 2019
88. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. July 2, 2019
87. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. June 4, 2019
86. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Nashua, IA. May 10, 2019

85. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Washington, IA. May 9, 2019
84. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Audubon, IA. May 8, 2019
83. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Orange City, IA. May 7, 2019
82. **Rademacher C.** PQA Level 4.0 Advisor Training. *Smithfield PQA Advisor Training*. Algona, IA. April 10, 2019
81. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. April 9, 2019
80. **Rademacher C.** PQA Level 4.0 Advisor Training. *PQA Advisor Training*. Ames, IA. March 26, 2019
79. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Smithfield Foods Regional Meeting*. Nevada, IA. March 20, 2019
78. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Smithfield Foods Regional Meeting*. Denison, IA. March 19, 2019
77. **Rademacher C.** African Swine Fever and U.S. Preparedness. *Kemin Panel Discussion*. Des Moines, IA. February 25, 2019
76. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Iowa Pork Regional Conference*. Nashua, IA. February 22, 2019.
75. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Iowa Pork Regional Conference*. Washington, IA. February 21, 2019.
74. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Iowa Pork Regional Conference*. Ames IA. February 20, 2019.
73. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Iowa Pork Regional Conference*. Audubon, IA. February 19, 2019.
72. **Rademacher C.** African Swine Fever and U.S. Preparedness. *2019 Iowa Pork Regional Conference*. Sheldon, IA. February 18, 2019.
71. **Rademacher C.** What did PEDV teach us about Biosecurity. *Pork Bridge Webinar*. Ames, IA. December 5, 2018
70. **Rademacher C.** Practical FAD preparedness tips for producers. Iowa Pork Producer Association FAD Webinar. Clive, IA. September 24, 2018.
69. **Rademacher C.** Gilt Development. *BISA Gold Training for Swine Veterinarians*. Ames, IA. September 7, 2018.
68. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Ames, IA. September 10, 2018
67. **Rademacher C.** Use of Antibiotics at Processing. *National Pork Board Producer/Public Health and Workplace Safety (PPHWS) Committee Summer Meeting*. Clive, IA. July 31, 2018
66. **Rademacher C.** Post-Weaning Profit Robbers. *ISU Summer Short Course*. Ames, IA. June 6, 2018
65. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Des Moines, IA. June 6, 2018
64. **Rademacher C.** Current Diseases of Swine. *2018 Southwest Iowa Veterinary Medical Association Spring Meeting*. Osceola, IA. April 4, 2018.
63. **Rademacher C.** VFD and Antibiotic Use: What have we seen during year one of implementation. *2018 Ohio Swine Health Symposium*. Plain City, OH. March 21, 2018.
62. **Rademacher C.** Alternatives to Sub-Therapeutic Growth Promoting Antibiotics. *2018 Ohio Swine Health Symposium*. Plain City, OH. March 21, 2018.
61. **Rademacher C.** Vaccines & Antibiotic Changes in the New Regulatory Environment. *2018 Iowa Pork Regional Conference*. Washington, IA. February 22, 2018.
60. **Rademacher C.** Vaccines & Antibiotic Changes in the New Regulatory Environment. *2018 Iowa Pork Regional Conference*. LeMars, IA. February 21, 2018.
59. **Rademacher C.** Vaccines & Antibiotic Changes in the New Regulatory Environment. *2018 Iowa Pork Regional Conference*. Nashua, IA. February 19, 2018.
58. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Ames, IA. February 13, 2018

57. **Rademacher C.**, Johnson A. Euthanasia Workshop. *Iowa Pork Producers Congress*. Des Moines, IA. January 25, 2018.
56. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Orange City, IA. September 11, 2017.
55. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Des Moines, IA. June 8, 2017.
54. **Rademacher C.** Strategies for Fewer or No Antibiotics. *2017 Vita Plus Swine Summit*. Morton, MN. March 29, 2017.
53. **Rademacher C.** Managing Pigs in an Unhealthy World. *2017 Okoboji Swine Meeting*. Okoboji, IA. March 23, 2017.
52. **Rademacher C.** Vaccine Efficacy for Swine Producers. *2017 Iowa Biotechnology Assn - Partnering for Growth Meeting*. Ankeny, IA. March 22, 2017.
51. **Rademacher C.** PRRS, PEDV and VFD. *2017 Smithfield Foods Regional Meeting*. Nevada, IA. March 15, 2017.
50. **Rademacher C.** PRRS, PEDV and VFD. *2017 Smithfield Foods Regional Meeting*. Denison, IA. March 14, 2017.
49. **Rademacher C.** Swine Health Update. *2017 Iowa Pork Regional Conference*. Nashua, IA. February 24, 2017.
48. **Rademacher C.** Swine Health Update. *2017 Iowa Pork Regional Conference*. Washington, IA. February 22, 2017.
47. **Rademacher C.** Swine Health Update. *2017 Iowa Pork Regional Conference*. Carroll, IA. February 21, 2017.
46. **Rademacher C.** Understanding Seneca Valley Virus. *2017 Iowa Pork Regional Conference*. Orange City, IA. February 20, 2017.
45. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Ames, IA. February 7, 2017.
44. **Rademacher C.** VFD: On Farm Implementation. *Iowa Pork Industry Center PorkBridge*. Ames, IA. February 2, 2017.
43. **Rademacher C.** VFD: On Farm Implementation. *Iowa Pork Industry Center SowBridge*. Ames, IA. February 1, 2017.
42. **Rademacher C.** VFD: On Farm Implementation. *2017 Iowa Pork Congress*. Des Moines, IA. January 25, 2017.
41. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Ames, IA. December 14, 2016.
40. **Rademacher C.** VFD FAQ. *Global Vet Link Meeting*. Ames, IA. December 9, 2016.
39. **Rademacher C.** VFD Update and Strategies for Judicious Antibiotic Usage. *NW Iowa Producer Meeting*. LeMars, IA. December 2, 2016.
38. **Rademacher C.** VFD: What It Means to Me. *Fayette County Producer Meeting*. Fayette, IA. November 21, 2016.
37. **Rademacher C.** VFD: What It Means to Me. *Howard County Producer Meeting*. Cresco, IA. November 22, 2016.
36. **Rademacher C.** VFD: What It Means to Me. *Butler County Producer Meeting*. Allison, IA. November 22, 2016.
35. **Rademacher C.** Veterinary Feed Directive: What You Need to Know. *Iowa Farm Bureau-ISU Extension and Outreach and IVMA VFD Meetings*. Carroll, IA. August 29, 2016.
34. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training*. Audubon, IA. August 26, 2016.
33. **Rademacher C.** Veterinary Feed Directive: What You Need to Know. *Iowa Farm Bureau-ISU Extension and Outreach and IVMA VFD Meetings*. Independence, IA. August 25, 2016.
32. **Rademacher C.** Veterinary Feed Directive: What You Need to Know. *Iowa Farm Bureau-ISU Extension and Outreach and IVMA VFD Meetings*. Storm Lake, IA. August 22, 2016.

31. **Rademacher C.** Veterinary Feed Directive: What You Need to Know. *Iowa Farm Bureau-ISU Extension and Outreach and IVMA VFD Meetings.* Orange City, IA. August 22, 2016.
30. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Orange City, IA. May 10, 2016.
29. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Atlantic, IA. May 5, 2016.
28. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Washington, IA. May 4, 2016.
27. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Nashua, IA. May 3, 2016.
26. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Ames, IA. April 14, 2016.
25. **Rademacher C.** PQA Level 3.0 Advisor Training. *PQA Advisor Training.* Algona, IA. April 13, 2016.
24. **Rademacher C.** Use of antibiotics in livestock production in light of new FDA guidelines. *Smithfield Foods Producer Meeting.* Nevada, IA. March 24, 2016.
23. **Rademacher C.** Use of antibiotics in livestock production in light of new FDA guidelines. *Mahaska County Extension Office.* Oskaloosa, IA. March 23, 2016.
22. **Rademacher C.** Use of antibiotics in livestock production in light of new FDA guidelines. *Cherokee County Extension Office.* Cherokee, IA. March 4, 2016.
21. **Rademacher C.** Understanding Seneca Valley Virus. *2016 Iowa Pork Regional Conference.* Nashua, IA. February 24, 2016.
20. **Rademacher C.** Understanding Seneca Valley Virus. *2016 Iowa Pork Regional Conference.* Carroll, IA. February 23, 2016.
19. **Rademacher C.** Understanding Seneca Valley Virus. *2016 Iowa Pork Regional Conference.* Sheldon, IA. February 22, 2016.
18. **Rademacher C.** Use of antibiotics in livestock production in light of new FDA guidelines. *Washington County Extension Office.* Washington, IA. January 19, 2016.
17. **Rademacher C,** Linares D. Case Reports from Senecavirus A. *Pipestone Veterinary Clinic Client and Producer Webinar.* Pipestone, MN. September 25, 2015.
16. **Rademacher C** Linares D, Case Reports from Senecavirus A. *Pipestone Veterinary Clinic Veterinary and Production Meeting.* Pipestone, MN. September 18, 2015.
15. **Rademacher C.** Recent Cases of Seneca Valley Virus. *Boehringer-Ingelheim Technical Team Meeting* Ames, IA. August 14, 2015.
14. **Rademacher C.** How to prepare for the Common Swine Industry Audit. *Common Swine Industry Audit Preparation Training* Clive, IA. August 13, 2015.
13. **Rademacher C.** How to prepare for the Common Swine Industry Audit. *Common Swine Industry Audit Preparation Training* Washington, IA. July 10, 2015.
12. **Rademacher C.** How to prepare for the Common Swine Industry Audit. *Common Swine Industry Audit Preparation Training* Ames, IA. July 8, 2015.
11. **Rademacher C.** PEDV Update – What we have learned over the past 2 years. *Choice Genetics Producer Meeting* West Des Moines, IA. June 5, 2015.
10. **Rademacher C.** PEDV Update – What we have learned over the past 2 years. *4H Extension Webinar* Ames, IA. May 6, 2015.
9. **Rademacher C** (2015) Use of antibiotics in swine production in the light of new FDA guidelines *Iowa State University Extension Professional Development Days.* March 31, 2015.
8. **Rademacher C** (2015) PEDV Update *Joint Iowa State and Federal Animal Health Officials Meeting* Iowa Department of Agriculture and Land Stewardship. Des Moines, IA. March 24, 2015.
7. **Rademacher C,** PEDV Update *Badger Swine Symposium.* Arlington, WI. March 12, 2015.
6. **Rademacher C,** Identifying and Understanding Swine Disease *Dwayne Cave Grower Meeting Sponsored by Hubbard Feeds, Inc.* Cherokee, IA. March 11, 2015.
5. **Rademacher C** (2015) PEDV Update *Iowa Pork Producers Regional Meetings.* Sheldon, IA. February 23, 2015.

4. **Rademacher C** (2015) PEDV Update *Iowa Pork Producers Regional Meetings*. Carroll, IA. February 24, 2015.
3. **Rademacher C** (2015) PEDV Update *Iowa Pork Producers Regional Meetings*. Borlaug Learning Center Nashua, IA. February 25, 2015.
2. **Rademacher C** (2015) PEDV Update *Iowa Pork Producers Regional Meetings*. Iowa City, IA. February 26, 2015.
1. **Rademacher C**, PEDV Update *Virginia Pork Congress Annual Meeting*. Arlington, VA. January 29, 2015.

Grants awarded:

33. Linhares, Poeta Silva, Trevisan, Silva, Brown, **Rademacher**, Rupasinghe, Wang, Zhu. *Enabling rapid and effective response to disease outbreaks in swine populations*. USDA-NIFA. 2023. **\$999,438.95**
32. Trevisan G, Linhares D, Silva G, **Rademacher C**, Petersen T, Zeller M. Further characterization of PRRSV diversity and other pathogens in Live Virus Inoculation (LVI) material used in breeding herd stabilization programs. AASV Foundation Call for Proposals. 2023. **\$18,000.**
31. Main R, Trevisan, G, Roth J, **Rademacher C**, Zimmerman J. Development and Demonstration of a US Swine Health Improvement Plan modeled after the National Poultry Improvement Plan. USDA-APHIS. 2023. **\$250,000.**
30. Gabler Nick, Lamm, Alexandra, Ross, Jason, Retallick, Michael, See, Todd, Hayes, Dermot, Lonergan, Elizabeth, Johnson, Anna, Karriker, Locke, **Rademacher, Christopher**, Burrough, Eric, Qu, Shuyang, Masambucka-Kanchawa, Fally Urriola, Pedro, Coble, Derek, Sanders, Catherine, Pairis-Garcia, Monique. *Enhancing Trust in Pork Production and Products Through Strengthening Communications, Research and Training*. National Pork Board. 2023. **\$8,498,350**
29. Zhang Jianqiang, Gauger, Phil, Almeida, Marcelo, Zimmerman, Jeff, **Rademacher, Christopher**, Rawal, Gaurav. *Evaluate the protective efficacy of commercial PRRSV MLV vaccines against the recently emerged PRRSV 1-4-4 L1C variant strain in weaned pigs*. Iowa Pork Producers Call for Proposals. 2022. **\$69,989.**
28. Clavijo, Maria, Mugabi, Robert, Silva, Ana Paula, Karriker, Locke, **Rademacher, Christopher**, Schmitt, Cameron, Tucker, Alexander, Wells, Jerry. *Dynamics of infection of disease associated S. suis (DASS) in sows and piglets*. Iowa Pork Producers Call for Proposals. 2022. **\$75,000.**
27. Silva G, Linhares D, Trevisan G, Holtkamp D, **Rademacher C**, Arruda A, Silva APP. *Wide-industry assessment of bioexclusion practices in wean-to-harvest sites, and development and validation of a rapid risk assessment bioexclusion tool*. 2022 SHIC-FFAR-NPB wean to harvest biosecurity Call for Proposals. 2022. **\$128,499.**
26. Linhares D, Silva GS, Trevisan G, **Rademacher C**, Moraes D, Silva APP. *Assessment of manure pumping effects on disease onset in wean-to-finish pig sites*. 2022 SHIC-FFAR-NPB wean to harvest biosecurity Call for Proposals. 2022. **\$93,594.**
25. Linhares D, Corzo C, Arruda A, Magalhaes ES, Swaminathan J, **Rademacher C**, Trevisan G, Silva GS. *Creating a truck automated sanitation classification (TASC) platform using multiple data recording approaches currently used in the swine industry – a pilot and scalable study*. 2022 SHIC-FFAR-NPB wean to harvest biosecurity Call for Proposals. 2022. **\$73,206.**
24. Main R, Trevisan, G, Roth J, **Rademacher C**, Zimmerman J. Development and Demonstration of a US Swine Health Improvement Plan modeled after the National Poultry Improvement Plan. USDA-APHIS. 2022. **\$1,018,000.**
23. Trevisan, Linhares, Silva, Cezar, Chu, Zhu, Eulenstein, Anderson, Main, Rovira, Matias-Ferreyra, Prarat, Pilatzki, Rupasinghe, **Rademacher**, Burrough, Magalhães. *Usage of diagnostic data to rapidly detect and raise stakeholder awareness of emerging biological animal health and production threats*. USDA-NIFA. 2022. **\$1,000,000.**

22. Main R, Roth J, Zimmerman JJ, **Rademacher CJ**. Development and demonstration of a US Swine Health Improvement Plan modeled after the National Poultry Improvement Plan. USDA APHIS VS.2020. **\$495,000**
21. Peschel J, Johnson A, Gabler N, **Rademacher C**, Ross J. *SNORT: Swine Nutritional Observation and Routing Technology*. Iowa Pork Producers Call for Proposals. 2020. **\$57,000**
20. Brett Ramirez, **Chris Rademacher**, Kris Kohl, Dave Stender, Jason Ross, Danelle Bickett-Weddle. *Exploring Heat Treatment for Swine Facilities to Conduct Virus Elimination and Increase Mass Carcass Disposal Options*. USDA-APHIS National Animal Disease Preparedness and Response Program (NADPRP) 2020 Projects. 2020. **\$194,248**.
19. Locke Karriker, **Chris Rademacher**, Justin Brown, Kristin Skoland. *USDA Work Plan to Design, Build, Operate and Evaluate Two AVMA Approved Euthanasia Methods at Mass Depopulation Scale*. USDA-APHIS. 2020. **\$266,176**.
18. Brett Ramirez, **Chris Rademacher**, Anna Johnson, Laura Greiner, Joshua Peschel, Dan Anderson, Justin Brown, Kent Schwartz. *Validation of Ventilation Shut Down Plus (VSD+) Methodology for Mass Depopulation*. National Pork Board Animal Well Being Call for Proposals. 2020. **\$168,000**.
17. Locke Karriker, Daniel Linhares, Derald Holtkamp, **Christopher Rademacher**, Alex Ramirez, Kristin Skoland. *Telehealth for Swine Medicine: Tools to Support Shortage Situations, Expand Surge Capacity, and Teach Students with Less Biosecurity Risk*. USDA - National Institute of Food & Agriculture. 2019. **\$236,750**
16. Brett Ramirez, Dan Anderson, **Chris Rademacher**, Laura Greiner, Joshua Peschel. *Small-Scale In-Barn Carcass Management Exploration*. Iowa Pork Producers Association. August 2019. **\$80,000**.
15. Brett Ramirez, Dan Anderson, **Chris Rademacher**, Laura Greiner, Joshua Peschel. *Modeling Indoor Environment and Supplemental Heat Requirements during Ventilation Shut Down Plus and Heat Inactivation*. Iowa Pork Producers Association. August 2019. **\$20,000**.
14. Clavijo M, Tucker A, Gottschalk M, Weinert L, Wells J, Li G, **Rademacher C**, Sahin O. *Investigation into the epidemiology of disease-associated S. suis strains*. National Pork Board General Call for Proposals. 2018. **\$95,532**.
13. **Rademacher C**, Hayman K Karriker L, Schwartz K, Brown J, Kittrell H, Ruston C. *Comparison of antibiotic treatment regimens for naturally occurring, multi-etiology disease challenges in commercial wean-to-finish swine facilities*. National Pork Board General Call for Proposals. 2018. **\$69,792**.
12. Linhares D, Zimmerman J, **Rademacher C**. Herd sensitivity of a population sampling method to detect PRRS virus in swine breeding herds undergoing virus elimination. USDA NIFA via ISU CVM Seed Program. 2018. **\$25,000**.
11. Peschel J, Johnson A, **Rademacher C**, Linhares D. *Health Prediction of Individual Animals in Swine Operations through Automated Visual Sensing and Behavioral Sensemaking*. Iowa Pork Producers Call for Proposals. 2018. **\$57,000**
10. Ross J, DeRouchey J, Tokach M, Woodworth J, Gabler N, Johnson A, Keating A, Linhares D, Millman S, Patience J, **Rademacher C**, Schmitz-Esser S, Schulz L, Schwartz K, Stalder K, Stewart K, Chipman A. *An integrated approach to improve whole herd pig survivability*. National Pork Board – FFAR - A System Approach to Improving Pig Health, Well-being and Productivity 2018. **\$1,999,772**
9. Ross J, Stalder K, **Rademacher C**, Keating A, Millman S, Johnson A, Schwartz K, Linhares D, N Gabler, D Patience J. *Identification of putative factors contributing to pelvic organ prolapse in sows*. National Pork Board. 2017. **\$108,595**
8. **Rademacher C** Karriker L, Forseth A, Brown J, *Determining the necessity of preventive use of antimicrobials at tail-docking and castration including comparison with alternatives*. National Pork Board General Call for Proposals. 2017. **\$58,328**

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