

# 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**

<b><u>Institution</u></b>	<b><u>Degree</u></b>	<b><u>Date</u></b>	<b><u>Major</u></b>
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, Pogradichny 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. *26<sup>th</sup> 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. *1<sup>st</sup> 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 Lemna 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 4<sup>th</sup>, 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 4<sup>th</sup>, 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 6<sup>th</sup>, 2015 pp. 52-54.
15. **Rademacher C.** Case Reports from Senecavirus A. *2015 Allen D. Leman Swine Conference* St. Paul, MN September 22<sup>nd</sup>, 2015.
14. **Rademacher C.** Practical Considerations for Group Sow Housing. *2015 Allen D. Leman Swine Conference* St. Paul, MN. September 21<sup>st</sup>, 2015.
13. **Rademacher C.** PEDV Update – What we have learned over the past 2 years. *25<sup>th</sup> Annual Carthage Veterinary Services Swine Conference* Macomb, IL. September 1<sup>st</sup>, 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.
3. **Rademacher C.** Experiences with edema disease in 10 week old feeder pigs. *Proceedings ISU Swine Disease Conference for Swine Practitioners* 12:27-28. November 2004.



2. **Rademacher C.** Criteria for when and how we intervene. *Proceedings Allen D. Leman Swine Conference* 30:88-89. September 2003.
1. **Rademacher C.** How can New Fashion Pork reach the next level of low cost production. *Proceedings Allen D. Leman Swine Conference Supplement.* August 2003. pp.1-6.

**Other Presentations/Proceedings/Abstracts:**

16. PESCHEL JM, JOHNSON AK, LINHARES DCL, **RADEMACHER CJ**, ROSS JW. Automated visual sensemaking of livestock behavior. Proc 50th American Association of Swine Veterinarians Annual Meeting, Emerging Technologies Seminar. Lake Buena Vista, FL. March 9-12, 2019. P08-11.
15. KM Olsen, NK Gabler, **CJ Rademacher**, KJ Schwartz, WP Schweer, JF Patience. 2018. The Effects of Group Size and Sub-Therapeutic Antibiotic Alternatives on the Performance of Nursery Piglets: A Model for Feed Additive Evaluation. *J. Anim. Sci.* 96(Suppl2):152-153.
14. Schweer, W. P., J. F. Patience, K. Schwartz, D. Linhares, **C. Rademacher**, H. K. Allen, C. L. Loving, A. Ramirez, and N. K. Gabler. 2017. 305 A review and evaluation of antibiotic alternatives in the literature.. *J. Anim. Sci.* 95(Suppl2):148-148.
13. Giménez-Lirola LG, **Rademacher C**, Linhares D, Harmon K, Rotolo M, Sun Y, Baum D, J Zimmerman J, Pineyro PE. Oct 2016. Serological and Molecular detection of Senecavirus A associated with an outbreak of Swine Idiopathic Vesicular Disease and Neonatal Mortality. *Proc 59th Ann Meet American Association of Veterinary Laboratory Diagnosticians.* Greensboro, North Carolina. p. 150.
12. Schwartz T, **Rademacher C.** Evaluation of the Effects of PEDV Vaccine on PEDV Naïve and Previously PEDV Exposed Sows in a Challenge Model Comparing Immune Response and Pre-Weaning Mortality. *2015 ISU James D. McKean Swine Disease Conference.* Ames, IA. November 6<sup>th</sup>, 2015 pp. 36-40.
11. Pineyro P, **Rademacher C**, Derscheid R, Guo B, Yoon KJ, Zhang JQ, Harmon K, Magstadt D, Gauger P, Chen Q, Arruda P, Stevenson G, Burrough E, Schwartz K, Cooper V, Arruda BL, Baum D, Zimmerman J, Gimenez-Lirola L, Linhares DCL, Halbur PG, Main R, Madson D. Senecavirus A vesicular disease outbreak in Midwest show and commercial pigs. *American Association of Veterinary Laboratory Diagnosticians Conference Proceedings.* Providence, RI. October 2015. P 158.
10. Olsen C, Karriker L, Wang C, Abate S, Binjawadagi B, Christopher-Hennings J, Doolittle K, Harmon K, Kittawornrat A, Kurtz A, Kurtz E, Lizano S, Coetzee J, Main R, Meiszberg A, Nelson E, Otterson T, Panyasing Y, **Rademacher C**, Rauh R, Renukaradhya G, Shah R, Zimmerman J. Effect of sample collection material on the detection of PRRSV in oral fluid. *93rd Annual Meeting of the Conference of Research Workers in Animal Diseases, December 2-4, 2012.* Chicago, IL. Abstract 160.
9. Kittawornrat A, Prickett J, Wang C, Olsen C, Irwin C, Panyasing Y, Ballagi A, Rice A, Main R, **Rademacher C**, Hoogland M, Zimmerman J. October 2011. Adaptation of a commercial PRRS serum antibody ELISA to oral fluid specimens. *American Association of Veterinary Laboratory Diagnosticians.* Buffalo, New York, p. 99.
8. Kittawornrat A, Panyasing Y, Irwin C, **Rademacher C**, Hoogland M, Wang C, Johnson J, Main R, Rowland R, Zimmerman J. PRRS virus antibody detection in oral fluid samples: The 1st generation PRRS oral fluid ELISA is ready for prime time. *Proceedings Allen D. Leman Swine Conference September 2011, pp 45-46.*
7. White DL, Rotolo M, Olsen C, Wang C, Prickett JR, Kittawornrat A, Panyasing Y, Main R, **Rademacher C**, Hoogland M. Pig behavior and the contribution of individual pigs to pen-based oral fluid samples. *Proceedings 22nd International Pig Veterinary Society Congress, Jeju, Südkorea July 2012, pg. 361.*
6. Wang C, Prickett J, Hoogland M, Main R, **Rademacher C**, Chittick W, Kolb J, Kurtz A, Kurtz E, Muñoz R, Zimmerman JJ. Probability of detecting a singleton PRRSV viremic pig using pen-based oral fluid samples. *Allen D. Leman Swine Conference.* St. Paul, Minnesota, September 2010. p. 47.
5. Davies PR, **Rademacher C.** Factors associated with transport mortality in marketed swine. *Proceedings of International Pig Veterinary Society Congress, Copenhagen, Denmark, July 16-19, 2006, Vol. 2, p.615.*

4. Dial GD, Roker JR, Freking BW, **Rademacher C** (2003). Driving Costs out of a Production System. Hanson Lecture, *Proceedings A.D. Leman Swine Conference* September 2003 30:23-38.
3. Dial G, **Rademacher C**, Wiseman B, Roker J, Freking B. (2002) Costs, consequences and control of endemic diseases. *London Swine Conference-Conquering the Challenges*. September 2002, Vol 11: pp 3-10.
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.
1. Dial GD, Duangkaew C, **Rademacher C**. Statistical process control: Application to swine production. *Principles and Application of Constraint Theory and Capacity Utilization to Pig Farms*. Allen D. Leman Swine Conference, St. Paul, MN pp 53-83.

#### **Non-Peer Reviewed Publications:**

6. Rawal, Gaurav; **Rademacher, Christopher**; and Linhares, Daniel, "Comparison of productivity losses between swine breeding herds adopting killed or attenuated PRRS virus vaccination protocols following PRRS outbreaks" (2020). *Veterinary Diagnostic and Production Animal Medicine Publications*. 175. [https://lib.dr.iastate.edu/vdpam\\_pubs/175](https://lib.dr.iastate.edu/vdpam_pubs/175)
5. **Rademacher C**, Main R, Gauger P, Schmitt D, Kraft J. Senecavirus A (Seneca Valley Virus) in Swine – Cases at Slaughter Plants. *American Association of Swine Veterinarians Website News e-Letter*. 7/20/16.
4. Danielson A, Azarpajouh S, Johnson A, Dickson J, Karriker L, Baker R, **Rademacher C**, Bigelow T, and Stalder K. (2016) Association of Different Iowa Livestock Truck Wash Stations Service Levels with Enterobacteriaceae Counts. *Animal Industry Report: AS 662, ASL R3123*. Available at: [http://lib.dr.iastate.edu/ans\\_air/vol662/iss1/84](http://lib.dr.iastate.edu/ans_air/vol662/iss1/84).
3. **Rademacher C**, Linhares DCL, Kraft J, and Main R. Senecavirus A Case Update. *American Association of Swine Veterinarians Website News e-Letter*. 1/6/16.
2. **Rademacher C**, Madson D, Main R, Yoon KJ, Linhares DCL, Pineyro P, Canning P, Bates J, Cannon A, and Halbur P. Senecavirus A (Seneca Valley Virus) in Swine – Breeding Herd Cases. *American Association of Swine Veterinarians Website News e-Letter*. 9/2/15.
1. **Rademacher C**, Madson D, Main R, Yoon KJ, Linhares DCL, and Smit AJ. Seneca Senecavirus A (Seneca Valley Virus) in Swine *American Association of Swine Veterinarians Website News e-Letter*. 8/5/15.

#### **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.
66. **Rademacher, C**. IPIC's first pork quality advisor certification session set for Jan. 23. *Farm Forum*. 1/5/24.
65. **Rademacher, C.**, Ramirez, B. Stick to basics for biosecurity program. *Iowa Farmer Today*. 12/29/2023.
64. **Rademacher, C**. Gene edited pigs for Porcine Reproductive and Respiratory Syndrome (PRRS). *Ag News Daily*. 10/26/2023
63. **Rademacher, C**. With rise in rodenticide exposure in pigs; proper storage critical. *National Hog Farmer*. 09/06/2023
62. **Rademacher, C**. Coughing at weaning could be more than influenza. *National Hog Farmer*. 08/30/2023
61. **Rademacher, C**. Iowa State University issues new pig vaccine guidelines. *Pig Progress*. 08/30/2023
60. **Rademacher, C**. New IPIC swine vaccination guidelines publication offers information and considerations. *SwineWeb.org*. 08/08/2023.
59. **Rademacher, C**. IPIC launches new swine vaccination guidelines publication. *ThePigSite*. 08/06/2023.

58. **Rademacher, C.** New IPIC swine vaccination guidelines publication offers information and considerations. *Pig333.com*. 7/26/2023.
57. **Rademacher, C.** A Swine Vaccination Administration Plan is More Than a Good Idea, IPIC Says. *Farm Journal's Pork Magazine*. 07/17/2023.
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.
52. **Rademacher, C.** Applications Due Soon for July 18 Pork Quality Assurance Advisor Certification. *SwineWeb.org*. 07/06/2023.
51. **Rademacher, C.** Solving the pig mortality puzzle takes a team, researchers say. *Successful Farming*. 06/28/2023
50. Are we ready for the next foreign animal disease? *National Hog Farmer*. 03/21/2023.
49. **Rademacher, C.** Iowa Pork Industry Center to host three PQA 5.0 sessions in 2023. *National Hog Farmer*. 01/31/2023.
48. **Rademacher, C.** Animal disease provides challenges during winter. *Missouri Farmer Today*. 01/20/2023.
47. **Rademacher, C.** Iowa Pork Industry Center to offer PQA Plus 5 training. *National Hog Farmer*. 09/21/2022.
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.
44. **Rademacher, C.** Livestock vaccination programs not 'one and done. *Iowa Farmer Today*. 05/12/2022.
43. **Rademacher, C.** Why are we seeing more F18 now? *National Hog Farmer*. 04/21/2022.
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.
40. **Rademacher, C.** US antibiotics usage: the numbers explained. *Pig Progress Digital Magazine*. 03/12/21.
39. **Chris Rademacher, Tyler Holck.** Compliance and efficiency in swine health documentation. INSIGHT – Livestock Edition. Spring 2020 edition. March 2020.
38. Joshua Peschel, Anna Johnson, Daniel Linhares, **Chris Rademacher**, Brett Ramirez, and Jason Ross. Automated Visual Sensemaking of Swine Behavior and Health in Production Systems. *National Hog Farmer Website*. 3/3/2020
37. Rawal G, **Rademacher C**, Linhares D. Immunization strategies and productivity impact on swine breeding herds adopting killed PRRS virus vaccination program. *National Hog Farmer Website*. 2/4/20.
36. S Mehling, Henao – Diaz A, Maurer J, Kluber E, Stika R, **Rademacher C**, Zimmerman J, Giménez-Lirola L, Wang C, Holtkamp D, Main R, Karriker L, Linhares D, Breuer M, Goodell C, Baum D. Mortality patterns and their associated costs in a commercial wean-to-finish swine production system. *National Hog Farmer Website*. 01/07/20.
35. **Rademacher C.** Swine Health Update – African Swine Fever. *DocTalk. RFD Television*. August 12, 2019
34. **Rademacher, C.** US experts without African swine fever warn that they still need to be vigilant. *Voice of America*. 12/27/18.

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.
31. **Rademacher C.** Biosecurity promoted as hog disease hits China. KCRG Television. 9/11/18.
30. **Chris Rademacher**, Anna Johnson, Locke Karriker, Ken Stalder. Lateral toe growth and lesion presence on sow hooves when housed in gestation stalls. *National Hog Farmer Website*. 5/01/18.
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.
26. Will Lopez, Giovanni Trevisan, Jose Angulo, Jeff Zimmerman, Karen Harmon, Phil Gauger, Luis Gimenez-Lirola, **Christopher Rademacher**, Daniel Linhares. Processing fluids to detect PRRS virus at low prevalence in neonatal piglets. *National Hog Farmer Website*. 11/7/17.
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.
20. Arruda P, Arruda B, Ferreyra FM, **Rademacher C.** (2016). Case Report: Identification of a pathogenic Porcine Sapelovirus causing polioencephalomyelitis in a commercial US swine. *National Hog Farmer Website*. 10/01/16.
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

12. **Rademacher C**, Gauger P, Lin K, Zhang JQ, Linhares DCL, Harmon K. PRRSV Sequencing Success Dependent Upon Cycle Threshold (CT) Values. *National Hog Farmer Website*. 02/01/16.
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
9. **Rademacher C**. Senecavirus A. *6:00 Clock News. ABC 5 Television*. Des Moines, IA. January 7, 2016.
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* Tepitilan, 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 3<sup>rd</sup> Party Auditor Training. *PAACO Training*. Waseca, MN. April 25-26, 2018.
4. **Rademacher C.** Common Swine Industry Audit 3<sup>rd</sup> 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**

7. D. Holtkamp, D. Linhares, L. Karriker, A. Ramirez, **C. Rademacher**. *Development and support of an industry rapid response program for epidemiological investigations of emerging, transboundary and endemic swine diseases with known etiology*. Swine Health Information Center. 2016. **\$191,353**
6. Linhares D C L, Zimmerman J, **Rademacher C**, Holtkamp D. *Herd sensitivity of PRRSv-monitoring schemes on sow herds undergoing virus elimination*. Boehringer-Ingelheim Awards for Advancing Research in Respiratory Disease. 2016. **\$35,000**
5. N Gabler, D Linhares, J Patience, **C Rademacher**, A Ramirez, K Schwartz. *Development and Validation of a Standardized Scientific Protocol Evaluating Antibiotic Alternatives in Growing Pigs*. National Pork Board. 2016. **\$153,241**
4. **Rademacher C**, Linhares DCL, Bates J, Canon A, Karriker L, Pineyro P. 2015. *Duration of Senecavirus A shedding from clinically affected and non-affected sows and piglets after a breeding herd infection*. Swine Health Information Center. 2015. **\$37,500**
3. Holtkamp D, **Rademacher C**, Karriker L, Linhares DCL. *Systematic epidemiological investigations of cases of Seneca Valley Virus in United States swine breeding herds*. Swine Health Information Center. 2015. **\$24,222**
2. Millman ST, Johnson AK, **Rademacher CJ**, 2015. *Common swine industry audit curriculum*. Professional Animal Auditor Certification Organization (PAACO), Inc., April 15-2015-July 31, 2015. **\$21,942**.
1. **Rademacher C**, Holtkamp D, Karriker L, Gauger, P, 2014 *Efficacy of Zoetis PEDV Vaccine in Reducing Clinical Impact of PEDV on Chronically Affected Breeding Farm*. Zoetis PEDV Research. 2014. **\$59,078**

#### Grants submitted – Pending

#### Grants submitted – Not funded.

20. **Rademacher C**, Greiner L, Brown J, Arruda A, Boelke S, Machado G, Ramirez B, Trevisan G, Gebhardt J. *FAD Preparedness Resource and Training Center*. NPB Swine Education and Outreach Grant. 2024. **\$254,281.97**
19. Silva APP, Linhares D, Trevisan G, **Rademacher C**, Moraes D. *Evaluation of clinical and production impact of Tilmicosin use in sows during a PRRSV LVI whole-herd exposure*. Iowa Pork Producers Association Research Proposal Spring 2023. 2023. **\$ 27,201**.
18. Silva GS, Silva APP, Trevisan G, **Rademacher C**, Moraes D. *Evaluation of clinical impact of in-feed tilmicosin use in sows before and after a whole-herd PRRSV exposure*. 2023 AASV Foundation Call for Proposals. 2023. **\$ 29,848**.
17. Ramirez, Passalacqua, Charavaryamath, Andersen, Kerr, Silva, Rademacher, Issa. *Understanding Air Quality in Swine Facilities: A Quantitative and Comprehensive Approach*. NPB-FFAR AQ RFP. 2022. **\$500,000**.
16. Linhares, Poeta Silva, Trevisan, Silva, Brown, **Rademacher**, Rupasinghe, Wang. *Enabling rapid and effective response to disease outbreaks in swine populations*. USDA-NIFA. 2022. **\$1,000,000**.
15. **Rademacher C**, Linhares DCL, Silva GS. *Characterizing the clinical expression of respiratory disease in growing pigs*. Iowa Pork Producers Association 2021 Spring Research Proposal. 2021. **\$75,000**
14. Linhares DCL, Magalhaes ES, Machado G, Ramirez B, Ross J, Roth J, Karriker L, Burrough E, **Rademacher CJ**, Trevisan G, Baum DH, Holtkamp DJ. *Integrating Data Streams And Developing Predictive Methodologies To Foster Precision Swine Health and Production Management*. USDA-AFRI. 2020. **\$1,000,000**.
13. Peschel J, Somani A, Johnson A, Hansen S, **Rademacher C**. MRI: *Development of ViSePASE - an Automated Visual Sensemaking Instrument to Advance Precision Animal Science and Engineering*. National Science Foundation:DBI - MAJOR RESEARCH INSTRUMENTATION. **\$1,718,743**. 2018.
12. A O'Connor, G Dewell, D Linhares, **C. Rademacher**, L. Karriker, C. Wang, Z. He, B White, R Larson, H Coetzee, C. Walder, B. Wang, K. Robinson, S. Evans, S. Totton. *Research on the efficacy of antibiotic use*



- in food-producing animals*. PEW Charitable Trusts RFP Research on the efficacy of antibiotic use in food-producing animals. 2018. **\$147,717**
11. Peschel J, Johnson A, **Rademacher C**, Linhares D. *Health Prediction of Individual Animals in Swine Operations through Automated Visual Sensing and Behavioral Sensemaking*. National Pork Board Spring Call for Proposals. 2018. **\$60,000**
  10. Brown J, Gimenez-Lirola L **Rademacher C**, Gauger P, Karriker L, Holtkamp D, Ramirez A. *Evaluation of the duration of neutralizing antibodies for PEDV in commercial sow farms*. National Pork Board General Call for Proposals. 2018. **\$54,543**.
  9. Brown J, **Rademacher C** Schwartz K, Karriker L, Forseth A, Kittrell H, Hayman K. *Comparison of Antibiotic Administration Protocols During a Co-Infection*. National Pork Board General Call for Proposals. 2018. **\$118,814**
  8. Ross J, Keating A, Baumgard L, **Rademacher C**, *Seasonal Infertility Mitigation Strategies for First Parity Sows* National Pork Board General Call for Proposals. 2017. **\$102,759**
  7. Linhares D, Zimmerman J, **Rademacher C**, Holtkamp D. Herd sensitivity of PRRSV-monitoring schemes on sow herds undergoing virus elimination. American Association of Swine Veterinarians Research Awards. 2016. **\$30,000**.
  6. Yoon KJ, **Rademacher C**, Derscheid R, Linhares D, Zhang JQ. *Pathogenicity of contemporary US Senecavirus A in pigs and factors influencing outcome of infection*. Swine Health Information Center Senecavirus A Call for Proposals. 2015. **\$162,214**.
  5. Linhares DCL, Levis I, Gauger P, **Rademacher C**, Holtkamp D. *Developing an influenza vaccination decision tree for breeding herds*. National Pork Board General Call for Proposals. 2015. **\$94,511**.
  4. Thakur S, Cray P, Boys K, Venkitanarayanan, K, O'Connor A, **Rademacher, C**. *A one health integrated approach to control antimicrobial resistant (AMR) Salmonella in pigs and the farm environment*. USDA-NIFA. 2015. **\$1,000,000**.
  3. Gabler N, Schultz L, Patience J, Schwartz K, **Rademacher C**, Karriker, L Butters-Johnson A, Millman S, Rowland R, Burkey T, Lonnegren S. *Protecting and improving swine production and wellbeing through minimizing the impact of inevitable health challenges*. USDA-NIFA. 2015. **\$1,000,000**.
  2. Coetzee JF, Karriker, LA; Jensen, H; Hayes, D; Rajan, H; O'Connor, AM; **Rademacher, C**; Gehring, R. *Development and implementation of a model antimicrobial stewardship program to mitigate bacterial resistance in food animal production systems*, USDA-NIFA. 2015. **\$1,000,000**.
  1. Baum D, Gimenez-Lirola, LG, **Rademacher, CJ**, Wang, C, Zimmerman, JJ Gauger, P, Holtkamp, D. *Precision Population Health Management For Pork Production*. USDA-NIFA. 2015. **\$499,690**.