

Curriculum Vitae

Joseph F. Connor, D.V.M., M.S.

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Professional Experience:

- Veterinarian/President – Carthage Veterinary Service, Ltd. (1980 – present)
- President – Professional Swine Management, LLC (2001 – present)
- Director of Health Service – PIC (1995-1996)

Education:

Executive Veterinary Program – Certificate in Swine Health Management
University of Illinois

Masters of Science in Veterinary Medicine
University of Minnesota

Doctor of Veterinary Medicine
University of Illinois

Bachelor of Science in Veterinary Medicine
University of Illinois

Professional Licenses:

- Licensed to practice veterinary medicine in Illinois, Indiana, Iowa, Missouri, and Ohio
- Licensed to prescribe controlled substances in Illinois and by the U.S. Drug Enforcement Administration

Professional Organization Membership and Recognitions:

- The National Hog Farmer Master's Award (2009)
- First Honorary Member of the Japanese Association of Swine
- Pork Quality Assurance (PQA) Plus Advisor
- Alex Hogg Memorial Lecture Presenter, American Association of Swine Veterinarians, (2011)
- Dr. Erwin Small Distinguished Alumni Award (2008)
- Allen D. Leman Science in Practice Award (2004)
- Former Representative, American Association of Swine Veterinarians on AVMA Environmental Committee (2001-2003)
- Swine Practitioner of the Year (1995)
- Howard Dunne Memorial Lecture Presenter (American Association of Swine Practitioners (1992)
- Past President (1988) American Association of Swine Practitioners
- Former Board Member (1982-1986) District V American Association of Swine

Practitioners

- Former Representative, American Veterinary Medical Association National Board Examination Committee (1983-1986)
- Past President (1984) Mississippi Valley Veterinary Medical Association
- Past President American Association of Swine Practitioners
- Member:
 - American Veterinary Medical Association
 - Illinois Veterinary Medical Association
 - Mississippi Valley Veterinary Medical
 - American Association of Swine Veterinarians
- Advisor – AgriCapital Corporation

Peer Reviewed Publications:

- Joseph F. Connor, Knox, R., J. Salak-Johnson, M. Hopgood, and L. Greiner. Effect of Day of Mixing Gestating Sows on Measures of Reproductive Performance and Animal Welfare. *J Anim Sci.* 2014, 92:1698-1707.
- Joseph F. Connor; Developing a PRV Eradication Program for Your Clients. *Veterinary Medicine*, 1993.
- Joseph F. Connor; Elimination of PRV. *Food Animal Compendium*, 1992.

Publications:

- Greiner, L., Barrett, R., Graham, A., Connor J. The evaluation of narasin in grow-finish swine diets. *International Pig Veterinary Society (IPVS) Congress.* June 2014.
- Lowe J., Gauger P., Harmon K., Zhang J., Connor J., Yeske P., et al. Role of Transportation in Spread of Porcine Epidemic Diarrhea Virus Infection, United States. *Centers for Disease Control and Prevention- Emerging Infectious Diseases.* May 2014. (20)5.
- Patterson, J., A. Cameron, T. Smith, A. Kummer, R. Schott, L. Greiner, J. Connor, and G.R. Foxcroft. Responses to exogenous gonadotrophin treatment in contemporary weaned sows. *Soc Reprod Fertil Suppl.* 66-303-304.
- Connor, Joseph F, DVM, MSc; Jennifer L. Patterson, MSc; Audrey C. Cameron; Taylor A. Smith; Aline B. Kummer; Rydell L. Schott; Laura L. Greiner, MSc, PhD; George R. Foxcroft, PhD, The effect of gonadotrophin treatment at weaning on primiparous sow performance, *Journal of Swine Health and Production*, 2010, (18)4: 196-199.
- Connor, Joseph F., Laura L. Greiner, Jennifer L. Patterson, Audrey C. Cameron, Taylor A. Smith, Aline B. Kummer, Rydell L. Schott, and George R. Foxcroft, The Effect of PG600 at Weaning on Primiparous Sow Performance, *J. An. Sci.*, 2010.
- Connor, Joseph, Laura Greiner, James Lowe, Jennifer Reiman, Cassandra Folkerts, R. White, Bacterial Infection of the Navel Cord Blood Clot in Neonatal Piglets: Prevalence and Clinical Outcomes, *AASV*, 2010, pp. 405-406.
- Connor, Joe, Kelly Greiner, Laura Greiner, Keith Erlandson, Stephen Wu, Joe Barban, Hsien-Jue Chu, Field Efficacy Comparison of Suvaxyn[®] PCV2 One Dose and Two Other Commercial PCV Vaccines: Carthage Trial Update, *AASV*, 2009.
- Connor, J. F., S. L. Rodriguez-Zas, C. B. Davis, P. N. Ellinger, G. D. Schmitkey, N.

- M. Romine, R. V. Knox, B. R. Southey, Impact of Biological and Economic Variables on Optimal Parity for Replacement in Swine Breed-to-Wean Herds, *Journal of Animal Science*, 2006.
- Connor, Joseph F., William L. Hollis, Keith R. Erlandson, Revisiting Weaning Age Trends, Dynamics, *National Hog Farmer Blueprint*, October 15, 2005.
 - Connor, J. F. and J.F. Lowe, Options for Parity Segregation, *National Hog Farmer, Blue Print Series*, 2004, 28:24-26.
 - Connor, J. F., S. L. Rodriguez-Zas, B. R. Southey, R. V. Knox, J. F. Lowe, B. J. Roskamp, Bioeconomic Evaluation of Sow Longevity and Profitability, *Journal of Animal Science*, 2003.

Abstracts:

- L. Greiner¹, D. Classen², N. Eddy², and J. Connor². ¹Carthage Innovative Swine Solutions, LLC, Carthage, IL, ²Carthage Veterinary Service, Ltd., Carthage, IL. *Abstract O163. Understanding PEDv timeline of exposure based on clinical findings.* International Pig Veterinary Society (IPVS) Congress. June 2014.
- L Greiner¹, J. Remus², D. D. Hall², R. D. Boyd³, R. J. Harrell⁴ and J. Connor⁵. ¹Innovative Swine Solutions, LLC, Carthage, ²Dupont, St. Louis, MO, ³The Hanor Company, Inc., Franklin, KY ⁴Professional Swine Management, ⁵Carthage Veterinary Service, Ltd., Carthage, IL. *Abstract 146 The impact of natural betaine to lactating sows during periods of heat stress.* 2014 Midwest ASAS meeting.
- L Greiner¹, Z. Jiang², C. Neill³, J. Connor¹, and G. Allee⁴. ¹Innovative Swine Solutions, LLC, Carthage, ²Ajinomoto Heartland, Chicago, ³PIC, Hendersonville, ⁴Porktech, LLC, Columbia. *Abstract O049 Evaluation of tryptophan to lysine ratio in sow lactation diets.* 2013 Midwest ASAS meeting.
- L Greiner¹, Z. Jiang², C. Neill³, J. Connor¹, and G. Allee⁴. ¹Innovative Swine Solutions, LLC, Carthage, ²Ajinomoto Heartland, Chicago, ³PIC, Hendersonville, ⁴Porktech, LLC, Columbia. *Abstract O077 Evaluation of various inclusion rates of dried distillers grain with solubles in sow lactation diets.* 2013 Midwest ASAS meeting.
- N.W. Shelton¹, J.L. Nelssen¹, M. D. Tokach¹, S. S. Dritz¹, R. D. Goodband¹, J. M. DeRouchey¹, L. L. Greiner², J. Connor², and J. C. Woodworth³. ¹Kansas State University, Manhattan, KS, ²Innovative Swine Solutions, LLC, Carthage, IL, ³Lonza, Allendale, NJ. *Abstract P090 Effects of dietary L-carnitine and chromium picolinate on sow reproductive performance.* 2013 Midwest ASAS meeting.
- Hopgood, M., L. Greiner, J. Connor, J. Salak-Johnson, R. Knox, *Abstract #656 Effect of Day of Mixing Gestating Sows on Measures of Reproduction and Animal Well-being*, National American Society of Animal Science Meetings, 2011.
- Connor J, L.L. Greiner, J. Usry, C. Neill, N. Williams, J. Soto, and G. Allee. 2011. *The evaluation of lysine requirements in third parity lactation sow diets.* Poster session presented at: 2011 Midwest American Society of Animal Science Annual Meeting; 2011 Mar 14-16; Des Moines, IA.
- Connor J, L.L. Greiner, J. Usry, C. Neill, N. Williams, J. Soto, and G. Allee *The use of crystalline amino acids in lactating sow diets.* Poster session presented at: 2011 Midwest American Society of Animal Science Annual Meeting; 2011 Mar 14-16; Des Moines, IA.

- Connor J., L.L. Greiner, J. Matthews, C. Neill, N. Williams, G. Allee, J. Connor, S. Jungst, and A. Sosnicki. *Determination of the SID lysine requirement of the 7 to 12 kilogram pig under commercial conditions*. 2011 Midwest American Society of Animal Science Annual Meeting; 2011 Mar 14-16; Des Moines, IA.
- Greiner, L.L., J.A. Soto, J.F. Connor, G.L. Allee, *Effect of increasing feeding levels in sows during late gestation on piglets birth weights*, Midwest American Society of Animal Science Annual Meeting, 2011, p. 86.
- Connor J, Crenshaw J, Campbell J, Russell L, Greiner L, Soto J, APC Inc, Innovative Swine Solutions, LLC *Effect of Spray-dried Plasma Fed During Gestation on Pig Performance at Weaning*, Allen D. Lemans Swine Conference, 2010.
- Connor, J., L. Greiner, J. Soto, G.L. Allee, J.L. Usry, and Noel Williams *The Evaluation of Feeding Lactating Sows on Grams of Lysine Compared to Percent of Lysine in the Diet*, ASAS, 2009.
- Connor, J., J. Patterson, G. Foxcroft, A. Cameron, T. Smith, A. Kummer, R. Schott, L. L. Greiner, and C. Francisco *The Effect of PG600 at Weaning on Sow Performance*, International Conference On Pig Reproduction (ICPR), 2009.
- Connor, J., K. Greiner, L. Greiner, K. Erlandson, S. Wu, and J. Barban *Suvaxyn PCV2 One Dose Field Efficacy Comparison Carthage Studies 1 and 5*, Lemans, 2009.
- Connor, J., L., Greiner, K. Greiner, and J. Soto *Evaluation of Standard Deviation Associated with Piglet Weaning Weights Between 18 and 21 Days of Age*, AASV, 2009.
- Connor, J., L. Greiner, J. Soto, G. L. Allee *Inclusion of Fat in Sow Lactation Diets Containing Dry Distillers Grain with Solubles*, ASAS, 2009.
- Connor, J., L. Greiner, J. Soto, G. L. Allee, J. L. Usry, and Noel Williams *The Evaluation of Feeding Lactating Sows on Grams of Lysine Compared to Percent of Lysine in the Diet*, ASAS Midwest Baker Symposium 2009.
- Connor, J., L. Greiner, X. Wang, and G. L. Allee *The Feeding of Dry Distillers Grain with Solubles to Lactating Sows*, AASV 2009, ASAS 2008, J. Anim. Sci. Vol. 86, E-Suppl. 3, 97.

Competitive Grants:

- Gonyou, H, J. Connor, J. Lowe, L. Greiner, F. Lang, and J. Brown; *Effects of different parity groupings on feeding behavior, welfare and productivity of sows in ESF housing*. National Pork Board, 2011.
- Knox, R, J. Salak-Johnson, L. Greiner, and J. Connor; *Effect of day of mixing gestating sows on measures of reproduction and animal well-being*. NPB Project #C2-09-30, September 2009.
- Lowe, J, J. Connor, and L. Greiner; *The influence of maternal PCV2 immune response on piglet infection rates at weaning and the effect of PCV2 infection at weaning on lifetime performance and vaccine efficacy*. NPB Project #09-188, September 2009.

Unpublished Articles:**Poster Sessions**

- Connor J, O'Connor C, Classen D, Greiner L. The evaluation of PRRSV transfer via tattooing in the suckling piglet. 2014 AASV Annual Meeting, Dallas, TX.
- Connor J.F., Greiner L.L., Soto J.A., Allee G.L. Effect of increasing feeding levels in sows during late gestation on piglets birth weights. Poster session presented at: 2011 Midwest American Society of Animal Science Annual Meeting; 2011 Mar 14-16; Des Moines, IA.
- Connor J, Crenshaw J, Campbell J, Russell L, Greiner L, Soto J, APC Inc, Innovative Swine Solutions, LLC. Effect of spray-dried plasma fed during gestation on pig performance at weaning. Poster session presented at: 2010 Allen D. Lemman Swine Conference; 2010 Sep 18-21; RiverCentre, St. Paul, MN.
- Connor J, Greiner K, Greiner L, Lowe J, (Carthage Veterinary Services, Ltd, Carthage, IL, Dept. of Veterinary Clinical Medicine, University of Illinois, Urbana, IL). Comparison of Mycoplasma Hyopneumoniae Vaccination Regimens in Pigs Under Mhyo Pressure. Poster session presented at: 2010 AASV Annual Meeting; 2010 Mar 6-9; Omaha, NE.
- Connor J, Patterson J, Cameron A, Smith T, Kummer A, Schott A, Greiner L, Foxcroft G. Responses to Exogenous Gonadotrohin Treatment in Contemporary Weaned Sows. Poster session presented at: International Exogenous Conference On Pig Production (ICPR); 2009.
- Connor J, Patterson J, Cameron A, Smith T, Kummer A, Schott R, Greiner L, Foxcroft G. The Effect of PG600 at Weaning on Weaned Primiparous Sow Performance. Poster session presented at: Banff Pork Seminar; 2009; University of Alberta, Canada.
- Connor J, Schilling E, Greiner L, Lowe J. Efficacy of Intensive Neonatal Piglet Care on Umbilical Hernias and Joint Infections; 2009 Mar 11; Dallas, TX.
- Connor J, Greiner K, Greiner L, Erlandson K, Wu S, Barban J, (Carthage Veterinary Service, Ltd., Carthage, IL, Iowa Select, Iowa Falls, IA, and Fort Dodge Animal Health, Fort Dodge, IA). Suvaxyn[®] PCV2 One Dose Field Efficacy Comparison Carthage Study I. Poster session presented at: Allen D. Lemman Conference; 2008 Sep 20-23; Saint Paul, MN.

Proceedings:

- Connor, JF; *Swine Enteric Coronavirus in the United States*; JASV; 2014
- Connor, JF; *Swine Health As A Driver for Productivity: Can All Pig Diseases Be Eradicated?*; IPVS- Bayer satellite symposium; 2014
- Connor, JF; *Charge to AASV*; 2014
- Connor, JF; *Update from the AASV Influenza Committee*; 2014
- Connor, JF; Classen, Dyneah; Lower, Aaron; *Coordinated Herd Closures for PRRSV Control and Elimination*; 2013
- Connor, JF; Classen, Dyneah; Lower, Aaron; *Management and Challenges of Dealing with Swine Influenza*; 2013
- Connor, JF; L Greiner, JF Lowe; *Comparison of Mycoplasma Hyopneumoniae Vaccination*; American Association of Swine Veterinarians; 2011
- Connor, Joseph F; *Science-based Medicine: What are the Application Barriers?*;

- American Association of Swine Veterinarians (Alex Hogg Memorial Lecture); 2011
- Connor, JF; *Field Efficacy Comparison of Mixed Experimental PCV2/MH and Mixed Ingelvac® CircoFLEX-MycoFLEX™: Carthage Trial Update*; American Association of Swine Veterinarians; 2010
- Connor, JF; *Managing the Highly Prolific Female*; National Pork Industry Conference; 2010
- Connor, JF; *What's Happening in Each of Your Barns...What You Need to Know and Monitor*; National Pork Industry Conference; 2010
- Connor, JF; *Armband Day for the Contract Finishers? Free Ride Due to Early Mycoplasma Vaccination strategies*; Carthage Veterinary Service, Ltd. Nineteenth Annual Swine Production Conference; 2009
- Connor, JF; *Biosecurity and Disease Control*; Asian Pig Veterinary Society; 2009
- Connor, JF; *Comparisons of ESF to Open Stall Systems in Large Sow Units*; Allen D. Lemman Swine Conference; 2009
- Connor, JF; *Field Experiences with Using BMD® in Control of Clostridial Enteritis in Neonatal Pigs Including Economics of Heavier Weaning Weights*; Alpharma Swine Health Symposium; 2009
- Connor, JF; *Learning from the Best*; American Association of Swine Veterinarians; 2009
- Connor, JF; J Lowe; M Gramer; A Vincent; *Novel H1N1 Influenza: On human and animal health*; Allen D. Lemman Swine Conference 2009, pp 101-102
- Connor, JF; *Outlook: W-F in 2012*; Carthage Veterinary Service, Ltd. Eighteenth Annual Swine Production Conference; 2008
- Connor, JF; *Practitioner's Perspective: Sow farm flow dynamics*; American Association of Swine Veterinarians; 2008
- Connor, JF; *Field efficacy of Suvaxyn® PCV2 One Dose in pigs*; American Association of Swine Veterinarians; 2007
- Connor, JF; *Mycoplasma vaccine strategies*; American Association of Swine Veterinarians; 2007
- Connor, JF; *PCV-2*; National Pork Industry Conference; 2007
- Connor, JF; *PCV2: Get Off the Highway to _ _ _ _*"; Carthage Veterinary Service, Ltd. Seventeenth Annual Swine Production Conference; 2007
- Connor, JF; *Synopsis of Tracks and Looking Ahead*; Allen D. Lemman Swine Conference; 2007
- Connor, JF; *Top Ten Road Rules*; Carthage Veterinary Service, Ltd. Seventeenth Annual Swine Production Conference; 2007
- Connor, JF; *Are you Using your Caddie for Better Piglet Survivability*; Carthage Veterinary Service, Ltd. Sixteenth Annual Swine Production Conference; 2006
- Connor, JF; *Auto sort Technology – A Bright Future?*; National Pork Industry Conference; 2006
- Connor, JF; *Economic Losses Associated with PMWS*; American Association of Swine Veterinarians; 2006
- Connor, JF; *Play the Executive Course: Good Ideas from Around the World*"; Carthage Veterinary Service, Ltd. Sixteenth Annual Swine Production Conference; 2006
- Connor, JF; *Biosecurity and Studs – Hanson Lecture*; Allen D. Lemman Swine Conference; 2005

- Connor, JF; *Circovirus Roundtable Discussion*; Allen D. Leman Swine Conference; 2005
- Connor, JF; *Make your Lay-ups and Achieve 5% Prewearing Mortality*; Carthage Veterinary Service, Ltd. Fifteenth Annual Swine Production Conference; 2005
- Connor, JF; *No Pig Left Behind – Optimizing Wean-Finish Performance*; National Pork Industry Conference; 2005
- Connor, JF; *Optimizing Gilt Reproduction and Development Roundtable*; Allen D. Leman Swine Conference; 2005
- Connor, JF; *Porcine Circovirus Type 2*; American Association of Swine Veterinarians; 2005
- Connor, JF; *Recruiting Unique Ideas From Around the World*; Carthage Veterinary Service, Ltd. Fifteenth Annual Swine Production Conference; 2005
- Connor, JF; *Schering Plough Roundtable Discussion*; Allen D. Leman Swine Conference; 2005
- Connor, JF; *Economics of Space Utilization*; Allen D. Leman Swine Conference; 2004
- Connor, JF; *Inclusion of BMD or BMD plus 3-Nitro in Swine Diets during Ileitis Vaccination*; American Association of Swine Veterinarians; 2004
- Connor, JF; *Inclusion of BMD or BMD plus 3-Nitro in Swine Diets during Ileitis Vaccination*; International Pig Veterinary Society 18th Congress; 2004
- Connor, JF; *Top Tips to Increase Suckling Piglet Survivability and Improve Farrowing House Performance*; Carthage Veterinary Service, Ltd. Fourteenth Annual Swine Production Conference; 2004
- Connor, JF; *A Practitioner's Perspective on Controlling PRRS in PRCD*; University of Nebraska-Lincoln 44th Annual George A. Young Swine Health and Management Conference; 2003
- Connor, JF; *Controlling PRRS in Porcine Respiratory Disease Complex*; George A. Young Swine Health and Management Conference; 2003
- Connor, JF; *Farms and Boar Studs: How can we prevent PRRSV contamination*; American Association of Swine Veterinarians; 2003
- Connor, JF; *Production Tips to Get Us Closer to 32¢*; National Pork Industry Conference; 2003
- Connor, JF; *Sow Herd Health and Tips to Achieve 95% Prewearing Survivability*; Carthage Veterinary Service, Ltd. Thirteenth Annual Swine Production Conference; 2003

Educational Presentations and Programs:

- Presenter to the 2015 BI Pre-Conference-AASV "Emerging Disease Model"
- Presenter to the 2015 AASV, "Health Information Management Systems to Analyze Diagnostic data for Rapid Precise Decision Making"
- Presenter to the 2015 BI: Experience "Controlling PRDC in Pigs using FLEX Combo and PRRS MLV (or FLEX3)"
- Presenter to the 2015 BI Herd Management "Drivers for Wean Pig Optimization"

- Presenter to the 2014 BI Symposium NA-PRRS "Historical Perspective of Area Regional Control – What Lessons of PRV Apply to PRRSv Control and Elimination?"
- Presenter to the 2014 Missouri Swine Institute "PEDv: What We Have Learned and What Lies Ahead"
- Presenter to the 2014 China New Hope Conference "Porcine Epidemic Diarrhea (PED) Review and Update in Control – American Experience"
- Presenter to the 2014 China New Hope Conference "Porcine Epidemic Diarrhea (PED) Review and Update in Control"
- Presenter to the 2014 China Leman Conference Breakout Session "Production and Disease Research Updates"
- Presenter to the 2014 China Leman Conference "Capacity Planning to Achieve Production Goals"
- Presenter to the 2014 China Elanco Conference "Strategies to Optimize Full value Pigs"
- Presenter to the 2014 JASV "Swine Enteric Coronaviruses: PEDv and PDCoV"
- Presenter to the 2014 VFC and Summit Seminar "PEDv Update"
- Presenter to the 2014 VFC and Summit Seminar "US Pork industry"
- Presenter to the 2014 Japan IPC Training "Walking the Pens"
- Presenter to the 2014 Japan IPC Training "IPC Introduction"
- Presenter to the 2014 Zoetis Japan Conference "RSO Early Vaccination and Fostera PCV"
- Presenter to the 2014 Zoetis Japan Web Seminar "PEDv Update"
- Presenter to the 2014 Allen D. Leman Conference "PEDv Live Virus Exposure, Monitoring, Vaccine, and Interesting Cases"
- Presenter to the 2014 University of Illinois Urbana-Champaign Fall Conference "What Lessons Can We Learn from PEDv for ONE HEALTH and Brand Protection"
- Presenter to the 2014 University of Illinois Urbana-Champaign Fall Conference "Progression of PEDv and Current Status"
- Presenter to the 2014 24th Annual Swine Health and Production Conference "PEDV Herd Stabilization and Elimination Procedures"
- Presenter to the 2014 Brazil Agroceres PIC Symposium "Emerging Diseases and Their Impact in the Pig Industry"
- Presenter to the 2014 Mexico VIMIFOS Conference "Porcine Epidemic Diarrhea (PED)"
- Presenter to the 2014 PIC Annual Meeting "PEDv: Lessons Learned in the Last 12 Months"
- Presenter to the 2014 Bayer Satellite Symposium "Swine Health As A Diver for Productivity: Can All Pig Diseases Be Eradicated?"
- Presenter to the 2014 American Association of Swine Veterinarians "Charge to AASV"

- Presenter to the 2014 American Association of Swine Veterinarians "Update from the AASV Influenza Committee"
- Presenter to the Value Farm Consulting Company "Porcine Epidemic Diarrhea"
- Presenter to the Value Farm Consulting Company "Benchmarking in the United States"
- Presenter to the Value Farm Consulting Company "How to get the Best Feed Conversion Rate"
- Presenter to the 2014 Japanese Association of Swine Veterinarians "United States Swine Diseases: PEDv, PRRS, and SIV"
- Presenter to the 2014 Japanese Association of Swine Veterinarians "Benchmarking in the United States"
- Presenter to the 2014 Japanese Association of Swine Veterinarians "Animal Welfare and Productivity Issues"
- Presenter to Zoetis Animal Health "Viremia and its impact on PCVAD and PRDC"
- Presenter to Zoetis Animal Health "Early Vaccination of Mycoplasma Vaccines and Fostera PCV"
- Presenter to Zoetis Animal Health "Mycoplasma Hypneumoniae"
- Presenter to the 2013 Allen D. Leman Conference "Coordinated Herd Closures for PRRSv Control and Elimination"
- Presenter to the 2013 Allen D. Leman Conference "Management and Challenges of Dealing with Swine Influenza"
- Presenter to the 2013 Animal Nutrition Forum "Biomim – Production, Health, and Facility Drivers for Enhancing Consumer Acceptance and Food Safety"
- Presenter to the 2013 Annual Swine Disease Conference "Porcine Epidemic Diarrhea Virus – Practitioners View of How Veterinarians and the Industry Can Better Manage Emerging Diseases"
- Presenter to the 2013 Brazilian Association of Swine Veterinarians
- Presenter to the 2013 China Leman Conference "Health and Management Strategy Opportunities for China Producers"
- Presenter to the 2013 China Leman Conference "Research Studies Driving Production and Health on Pig Farms"
- Presenter to the 2013 CVS Swine Conference "PEDv- Control Management Breed-to-Wean"
- Presenter to the 2013 Illinois Pork Expo "PRRS Filtration and Other Novel Approaches"
- Presenter to the 2013 National Pork Industry Conference "PED – A Timely Refresher, Current Diagnostic Update, Control Management, and Elimination"
- Presenter to the 2013 World Pork Expo "Porcine Epidemic Diarrhea"
- Presenter to the 2013 Zoetis APAC PRDC Webinar Series "PRRS – The Disease, Interactions With Other Pathogens, and Control"
- Presenter to the 2013 Zoetis Asia Pacific Swine Symposium "The Benefits of Early Mycoplasma Protection"
- Presenter to the 2012 Leman China Swine Conference "Production Research Studies that are Game Changers for You"

- Presenter to the 2012 Leman China Swine Conference "What We See for Production Opportunities in Growing Pigs in China"
- Presenter to the 2012 Japan Educational Seminar "US Pork Industry Update: Now and Future"
- Presenter to the 2012 Japan Educational Seminar "How to Optimize W-F Performance and Profit US Ways"
- Presenter to the 2012 Japan Educational Seminar "Current and Future Production System"
- Presenter to the 2012 Japan Educational Seminar "How to Optimize the Production Cost"
- Presenter to the 2012 Japan Educational Seminar "How to Maximize the WTF Performance"
- Presenter to the 2012 Japan Educational Seminar "How to Maximize the Reproductive Performance"
- Presenter to the Canadian Brachyspira spp. Diarrhoea Disease Science Meeting "Brachyspira Medication and Elimination Program"
- Presenter to the 2012 Pfizer APAC Swine Educational Webinar "Controlling the Major Swine Respiratory Diseases – US Experience"
- Presenter to the 2012 Twenty-second Annual Carthage Veterinary Service Swine Production Service "Gestation Housing – What is it Going to Cost?"
- Presenter to the 2012 PIC China Educational Seminar "PRRS"
- Presenter to the 2012 PIC China Educational Seminar "Mycotoxins"
- Presenter to the 2012 PIC China Educational Seminar "Diarrhea"
- Presenter to the 2012 PIC China Educational Seminar "Day One Critical Care"
- Presenter to the 2012 PIC China Educational Seminar "Common Immunosuppressive Diseases and How to Prevent"
- Presenter to the 2012 PIC Educational Seminar "China Classical Swine Fever"
- Presenter to the 2012 PIC China Educational Seminar "Biosecurity"
- Presenter to the 2012 PIC China Educational Seminar "Biosecurity Past, Present, and Future"
- Presenter to the 2012 Pfizer Pork Community Webcast "M. hyopneumoniae trends – Changes, Costs, and Controls"
- Presenter to the 2012 Japan In-House Educational Seminar "Current and Future Production Systems"
- Presenter to the 2012 Phibro Animal Health in China "Basic Considerations to Design and Effective Health Program for Maximum Herd Protection"
- Presenter to the 2012 Phibro Animal Health in China "Animal Health Products"
- Presenter to the 2012 Phibro Animal Health in China "How Does Veterinary Service Operate – My Experience and Farmer's Concern"
- Presenter to the 2012 Phibro Animal Health in China "PRRS"

- Presenter to the 2012 Phibro Animal Health in China "Endemic SIV"
- Presenter to the 2012 Pfizer Animal Health in Mexico "Basic Considerations to Design and Effective Health Program for Maximum Herd Protection"
- Presenter to the 2012 Pfizer Animal Health in Mexico "Early Vaccination of Maximum Mycoplasma Protection"
- Presenter to the 2012 Pfizer Animal Health in Mexico "PCV2-PCVAD"
- Presenter to the 2012 Pfizer Animal Health in Mexico "The Importance of Preventing and Reducing Viremia"
- Presenter to the 2012 International Pig Veterinary Society "Elimination of Respiratory Disease"
- Presenter to the 2011 Carthage Veterinary Service, Ltd. Twenty-first Annual Swine Production Conference "Parity Retention Rates"
- Presenter to the Suvaxyn PCV2 Launch Symposium in Philippines sponsored by Pfizer Animal Health "Managing Uniformity of Finishing Pigs"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "Program of Disease Control and the Strategy of Disease Prevention in Farm"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "Effects of Subclinical PCV Infection on Pig Production"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "Key Drivers of Feeding"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "Optimizing Production Performance – Experience with Draxxin and Excede During PRRS and/or PCV2 Acute Outbreak"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "Early Vaccination for Maximum *Mycoplasma Hyopneumoniae* Protection"
- Presenter to the 2011 Pfizer In-House Seminar in Vietnam "PRRS Management"
- Presenter to the 2011 Pfizer In-House Seminar in China "How to Balance the Nutrition in the Feed"
- Presenter to the 2011 Pfizer In-House Seminar in China "Production Management of Gilts"
- Presenter to the 2011 Pfizer In-House Seminar in China "Program of Disease Control and the Strategy of Disease Prevention in Farm"
- Presenter to the 2011 Swine Enteric Disease and Improvac Workshop in China sponsored by Pfizer Animal Health "Optimizing Production Performance – Experience with Draxxin and Excede During PRRS and/or PCV2 Acute Outbreak"
- Presenter to the 2011 Swine Enteric Disease and Improvac Workshop in China sponsored by Pfizer Animal Health "Porcine Respiratory Disease Complex"
- Presenter to the 2011 Swine Enteric Disease and Improvac Workshop in China sponsored by Pfizer Animal Health "How to control diarrhea – U.S. experience"
- Presenter to the 2011 Swine Enteric Disease and Improvac Workshop in China sponsored by Pfizer Animal Health "Improvest"
- Presenter to the 2011 Fostera PCV Product Launch in Mexico sponsored by Pfizer Animal Health "PCV2/PCVAD, the importance of preventing and reducing viremia"
- Presenter to the 2011 Fostera PCV Product Launch in Mexico sponsored by Pfizer Animal Health "Early Vaccination for Maximum Mycoplasma Protection"

- Presenter to the 2011 Carthage Veterinary Service, Ltd. Nineteenth Annual Swine Production Conference "Parity Retention Rates"
- Presenter to the 2011 Pfizer Asia Pacific Swine Symposium "Early Vaccination for Optimum MH Protection"
- Presenter to the 2011 Pfizer Asia Pacific Swine Symposium "Managing Your Way Through Profitability!-US Experience"
- Presenter to the 2011 American Association of Swine Veterinarians "Comparison of *Mycoplasma Hyopneumoniae* Vaccination"
- Presenter to the 2011 American Association of Swine Veterinarians (Alex Hogg Memorial Lecture) "Science-based Medicine: What are the Application Barriers?"
- Presenter to the 2011 Fourteenth Annual Foro Porcino in Madrid, Spain, sponsored by Pfizer Animal Health "New Ways to Manage the Porcine business, as an Example the Carthage Clinic"
- Presenter to the 2010 CHM Alliance Meeting in Brisbane, Australia, sponsored by Pfizer Animal Health "PRD-An Update on US Research and Vaccine Timing"
- Presenter to the 2010 CHM Alliance Meeting in Brisbane, Australia, sponsored by Pfizer Animal Health "Control of Respiratory Disease"
- Presenter to the 2010 CHM Alliance Meeting in Brisbane, Australia, sponsored by Pfizer Animal Health "Respire One at One Week"
- Presenter to the 2010 CHM Alliance Meeting in Brisbane, Australia, sponsored by Pfizer Animal Health "Group Gestation Housing Systems in the US"
- Presenter to the 2010 employees of APL in Wagga Wagga, Australia, sponsored by Pfizer Animal Health "Control of Respiratory Disease"
- Presenter to the 2010 employees of APL in Wagga Wagga, Australia, sponsored by Pfizer Animal Health "Group Gestation Housing Systems in the US"
- Presenter to the 2010 employees of Top Group in Roseworthy, South Australia, sponsored by Pfizer Animal Health "Control of Respiratory Disease"
- Presenter to the 2010 employees of Top Group in Roseworthy, South Australia, sponsored by Pfizer Animal Health "Group Gestation Housing Systems in the US"
- Presenter to the 2010 Pfizer Animal Health PT Indotirta Suaka In Housing Training in Indonesia "Improving Farrowing Rate and Litter Size in Tropical Conditions with High Humidity"
- Presenter to the 2010 Pfizer Animal Health PT Indotirta Suaka In Housing Training in Indonesia "Managing PRDC for Improved Performance-Focus on PRRS, APP, and PCV2 (practical experiences in large farm)"
- Presenter to the 2010 Pfizer Animal Health PT Indotirta Suaka In Housing Training in Indonesia "Managing the Underprivileged Piglets-Maximizing Productivity"
- Presenter to the 2010 Pfizer Swine Symposium in Korea "Effective Farm Management Through Individual Pig Care"
- Presenter to the 2010 Pfizer Swine Symposium in Korea "Worldwide PRDC"
- Presenter to the 2010 American Association of Swine Veterinarians "Field Efficacy Comparison of Mixed Experimental PCV2/MH and Mixed Ingelvac® CircoFLEX-MycoFLEX™: Carthage Trial Update"
- Presenter to the 2010 Kansas State University Swine Profitability Conference "Right Sizing the U.S. Swine Industry – What I've Done with My Clients During Those Challenging Times"

- Presenter to the 2010 National Pork Industry Conference "Managing the Highly Prolific Female"
- Presenter to the 2010 National Pork Industry Conference "What's Happening in Each of Your Barns...What You Need to Know and Monitor"
- Presenter to the 2010 Pfizer Eastern US Swine Vet Education Meeting "Early Vaccination for Mycoplasma with RespiSure and RespiSure One Trial Results"
- Presenter to the 2010 Pfizer Eastern US Swine Vet Education Meeting "One Dose and Two Dose Circovirus Vaccination Trial Results"
- Presenter to the 2009 Allen D. Leman Swine Conference "Comparisons of ESF to Open Stall Systems in Large Sow Units"
- Presenter to the 2009 Alpharma Swine Health Symposium "Field Experiences with Using BMD® in Control of Clostridial Enteritis in Neonatal Pigs Including Economics of Heavier Weaning Weights"
- Presenter to the 2009 American Association of Swine Veterinarians "Learning from the Best"
- Presenter to the 2009 Asian Pig Veterinary Society "Biosecurity and Disease Control"
- Presenter to the 2009 Carthage Veterinary Service, Ltd. Nineteenth Annual Swine Production Conference "Armband Day for the Contract Finishers? Free Ride Due to Early Mycoplasma Vaccination strategies."
- Presenter to the 2009 Fort Dodge Animal Health Asia Pacific Wine Technical "Field Experience with PCV2 Vaccine"
- Presenter to the 2009 Kansas State University Swine Profitability Conference "What I'm Telling My Clients About Their Future in the Swine Industry"
- Presenter to the 2009 Pfizer Animal Health Enterprise Seminar "Mycoplasma Hypopneumoniae Vaccination Comparative Study"
- Presenter to the 2009 Sirrah Bios Meeting "Survey Results and Field Experiences with PRRS-RS Vaccine and Introduction of PRRVENT"
- Presenter to the 2009 Technical Symposium "APP"
- Presenter to the 2009 Technical Symposium "Benchmarking of Sow Productivity"
- Presenter to the 2009 Technical Symposium "Biosecurity Management"
- Presenter to the 2009 Technical Symposium "Excede and Draxxin Experiences in the U.S."
- Presenter to the 2009 Technical Symposium "Health Programs for Sows and Gilts in Face of Emerging Diseases"
- Presenter to the 2009 Technical Symposium "Ivomec"
- Presenter to the 2009 Technical Symposium "Managing Vaccination Programs in Herds"
- Presenter to the 2009 Technical Symposium "Sarcoptes Elimination"
- Presenter to the 2009 Technical Symposium "Uniformity Management"
- Presenter to the 2009 World Pork Exposition "Studies of PCV2 Vaccine for Piglets"
- Presenter to the 2008 American Association of Swine Veterinarians Advanced Techniques for Swine Veterinarians "Practitioner's Perspective: Sow farm flow dynamics"
- Presenter to the 2008 Carthage Veterinary Service, Ltd. Eighteenth Annual Swine Production Conference "Outlook: W-F in 2012"

- Presenter to the 2008 Consultants Forum "Using Population Data to Generate Profitable Outcomes"
- Presenter to the 2008 Eighth Summit VFC Joint Seminar "Biosecurity: Past, Present and Future"
- Presenter to the 2008 Fort Dodge Animal Health International Swine Production Update "Field Experiences with Suvaxyn® PCV2 One Dose in the USA"
- Presenter to the 2008 Fort Dodge Animal Health Research Update "Phase IV Comparative Vaccine Trial Review"
- Presenter to the 2008 Illinois Pork Expo "Disease Management for PRRS, PCV2, Mycoplasma - The Breakthroughs"
- Presenter to the 2008 PorkExpo & IV Forum Internacional de Suinocultur "Efficacy and Safety Studies of PCV2 Vaccine for Piglets"
- Presenter to the 2008 Seventy-third Japan Pig Veterinary Society Meeting "PCVAD and the Effect of Vaccination in the US"
- Presenter to the 2008 World Pork Exposition "Suvaxyn® PCV2 One Dose Field Efficacy Comparison Carthage Study I"
- Presenter to the 2007 Allen D. Leman Swine Conference "Synopsis of Tracks and Looking Ahead"
- Presenter to the 2007 American Association of Swine Veterinarians "Field efficacy of Suvaxyn® PCV2 One Dose in pigs"
- Presenter to the 2007 American Association of Swine Veterinarians "Mycoplasma vaccine strategies"
- Presenter to the 2007 Carthage Veterinary Service, Ltd. Seventeenth Annual Swine Production Conference "PCV2: Get Off the Highway to _ _ _ _"
- Presenter to the 2007 Carthage Veterinary Service, Ltd. Seventeenth Annual Swine Production Conference "Top Ten Road Rules"
- Presenter to the 2007 Intervet Swine Innovation Workshop "Health Programs for the Replacement Gilt and Sow in Face of Emerging Disease"
- Presenter to the 2007 National Pork Industry Conference "PCV-2"
- Presenter to the 2007 Pfizer Walking the Pens Workshop "Training Prioritization"
- Presenter to the 2007 US Swine Planning Meeting "Field Efficacy of PCV2 One Dose and the Boar Stud Study"
- Presenter to the 2007 World Pork Exposition "PCVAD Management Strategies"
- Presenter to the 2006 American Association of Swine Veterinarians "Economic Losses Associated with PMWS"
- Presenter to the 2006 Boehringer Ingelheim Roundtable "PCV-2 associated diseases and their impact on pig production"
- Presenter to the 2006 Carthage Veterinary Service, Ltd. Sixteenth Annual Swine Production Conference "Are you Using your Caddie for Better Piglet Survivability"
- Presenter to the 2006 Carthage Veterinary Service, Ltd. Sixteenth Annual Swine Production Conference "Play the Executive Course: Good Ideas from Around the World"
- Presenter to the 2006 Japanese Association of Swine Veterinarians "Large Pig Group Management"
- Presenter to the 2006 Japanese Association of Swine Veterinarians "U.S. Trends in Pig Production and Pork Industry"

- Presenter to the 2006 National Pork Industry Conference "Auto sort Technology – A Bright Future?"
- Presenter to the 2006 PCV Informational Meeting "Economic Impact and Field Experience with PCVAD"
- Presenter to the 2006 Intervet Swine Innovation Workshop "Reproduction and Welfare"
- Presenter to the 2006 Missouri Pork Producers Association "Preparing and Prospering Tomorrow through Sow Centers and Cooperative Finishing"
- Presenter to the 2006 PCV Training Workshop "Economic Impact and Field Experience with PCV"
- Presenter to the 2006 World Pork Exposition "Economic Impact and Field Experience with PCVAD"
- Presenter to the 2005 Allen D. Lemman Swine Conference "Biosecurity and Studs – Hanson Lecture"
- Presenter to the 2005 Allen D. Lemman Swine Conference "Circovirus Roundtable Discussion"
- Presenter to the 2005 Allen D. Lemman Swine Conference "Optimizing Gilt Reproduction and Development Roundtable"
- Presenter to the 2005 Allen D. Lemman Swine Conference "Schering Plough Roundtable Discussion"
- Presenter to the 2005 American Association of Swine Veterinarians "Porcine Circovirus Type 2"
- Presenter to the 2005 Carthage Veterinary Service, Ltd. Fifteenth Annual Swine Production Conference "Make your Lay-ups and Achieve 5% Preweaning Mortality"
- Presenter to the 2005 Carthage Veterinary Service, Ltd. Fifteenth Annual Swine Production Conference "Recruiting Unique Ideas From Around the World"
- Presenter to the 2005 Japanese Association of Swine Veterinarians "Benchmarking"
- Presenter to the 2005 Internet Swine Reproductive Meeting "Benefits of Early Induction of Puberty in Replacement Gilts"
- Presenter to the 2005 Iowa Pork Congress "Basics of Pig Health in the Finisher"
- Presenter to the 2005 National Pork Industry Conference "No Pig Left Behind – Optimizing Wean-Finish Performance"
- Presenter to the 2005 Pfizer Animal Health Press Conference in Brussels, Belgium "Naxcel Press Launch"
- Presenter to the 2005 "PRRS Management & Elimination Methodology"
- Presenter to the 2005 "PRV Elimination"