

OUTLINE* FOR CURRICULUM VITAE

I. PERSONAL HISTORY AND PROFESSIONAL EXPERIENCE

Name Gay Y. Miller

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 Department of Pathobiology
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Educational Background

B.S., Agricultural Economics, Summa cum laude with Distinction, The Ohio State University, 1977
 D.V.M., The Ohio State University, 1981
 M.S., Agricultural Economics, University of Missouri-Columbia, 1982
 Ph.D., Agricultural Economics, the Ohio State University, 1991

List of Positions since Final Degree

Professor, Department of Pathobiology, College of Veterinary Medicine, University of Illinois, 2005-present; Chair of the Division of Epidemiology and Preventive Medicine, 2003-2005, 2007-2011, 2014-present. Professor, Department of Veterinary Pathobiology (Department name changed to Pathobiology in 2005), College of Veterinary Medicine, University of Illinois, 1994-2005.

Professor, Department of Agricultural and Consumer Economics, College of Agricultural, Consumer and Environmental Sciences, University of Illinois, 1998-present.

Professor, Department of Veterinary Clinical Medicine, College of Veterinary Medicine, University of Illinois, 1999-present.

Inaugural Professor, College of Medicine, University of Illinois, 2017 - present.

Adjunct Professor, Veterinary Population Medicine Department, College of Veterinary Medicine, University of Minnesota, 2008-2014.

USDA, APHIS, Veterinary Services, National Center for Animal Health Emergency Management, National Veterinary Stockpile, 2006-2007. Fellowship sponsored by the American Association for the Advancement of Science.

Associate Dean for Academic and Student Affairs, College of Veterinary Medicine, University of Illinois, 1994-1997.

Associate Professor, Department of Veterinary Preventive Medicine, College of Veterinary Medicine, The Ohio State University, 1989-1994.

Associate Professor, Department of Agricultural Economics and Rural Sociology, College of Agriculture, The Ohio State University, 1992-1994.

Associate Professor, Ohio Agricultural Research and Development Center, The Ohio State University, 1994.

Assistant Health Commissioner, Grandview Heights, Ohio, 1987-1990.

Assistant Professor, Department of Veterinary Preventive Medicine, College of Veterinary Medicine, The Ohio State University, 1982-1989.

Research Assistant, University of Missouri, Department of Agricultural Economics, 1981-1982.

Other Professional Employment

(Previous and current – in chronological order as above.)

Preceptorship program under Bruce Wenger, D.V.M., summer-1979.

Work-study in laboratory animal facility, College of Pharmacy, spring quarter, 1977.

Agricultural Economics 100 – introductory agricultural economics, teaching assistant, The Ohio State University, fall quarter – 1976.

Work-study in anesthesiology, The Ohio State University, fall quarter – 1975, and winter quarter – 1976.

General assistant for Frederick E. Boyer, D.V.M., summers and quarter breaks, 1975-1977.

Honors, Recognitions, and Outstanding Achievements

List of Teachers Ranked as Excellent by their Students; Path 645: Spring 2015 and Spring 2018; Path 527: Fall 2018; Fall 2020.

Presidential Executive Leadership Program Fellow, 2015-2016.

Veterinary Laboratory Diagnostic Course on Foreign Animal Diseases, Certificate of Training; Plum Island, NY, December, 2014

AAAS (American Association for the Advancement of Science) Science and Technology Policy Fellowship, 2006-2007 – Placement, USDA, APHIS, VS, NCAHEM, National Veterinary Stockpile Project

Delta Sigma Omicron Distinguished Teaching Award, 1996

Association of Teachers of Veterinary Public Health and Preventive Medicine/USDA University Mentor, 1992-1993

Phi Zeta, Veterinary Honor Society, 1983

Research Assistantship, Agricultural Economics, 1981-82

Graduated Summa Cum Laude with Distinction in the Honors Program, 1977, Agricultural Economics

Continental Grain Scholarship, 1977

The Wall Street Journal Student Achievement Award, 1977

Honor Society of Agriculture, Gamma Sigma Delta, 1977

OSU scholarship, 1976 and 1978

Phi Kappa Phi Honor Society, 1976

Summa Award, 1975

Alpha Lambda Delta Freshman Women's Honorary, 1974

Invited Lectures and Invited Conference Presentations

1. “Virtual Exercises for NADPRP – A path forward during SARS-CoV-2”. USAHA CAEM. Jan 28, 2021.
2. “Development of a Critical Mass of Animal Agriculture Stakeholders Ready for Emergency Response Deployment”. University of Illinois Fall Conference for Veterinarians. Dec 2, 2020.
3. “Virtual Exercises – A path forward during SARS-CoV-2”. USDA, APHIS, FAD SAFE working group for the National Training and Exercise Program. Sep 21, 2020.
4. “Foreign Animal Disease Emergency Response and Training Matters”. Radio Interview about USDA VS Cooperative Agreement Grant. March 3, 2020.
5. “Keeping Countries Biosecure from Foreign Animal Diseases”; University of Leeds, Leeds, UK, May 15, 2019.
6. “Preparing a Workforce”; University of Illinois Board of Trustees Meeting, March 14, 2019.
7. “What is One Health and how does it Contribute to Global Intersections in Science”; Panel presenter, Sesquicentennial Celebration, April 10, 2018.
8. “AAAS Science and Technology Policy Fellowship Experience”, UIUC Science Policy Fellowship Workshop, March 12, 2018.
9. “AAAS Science and Technology Policy Fellowship Experience”, UIUC Science Policy Fellowship Workshop, July 26, 2017.
10. “Countering Challenges in Higher Education”, University Senates Conference, University of Illinois, Urbana, IL September 22, 2016.
11. “Lessons Learned. Management & Communication strategies for Managed Wildlife Exhibitors in a Post HPAI world”. Zoo Ready 2016 training, Indianapolis, IN, June 21, 2016.
12. “FMD: A complex highly contagious foreign animal disease that will impact Zoos when an outbreak occurs”, Zoo Ready 2016 training, Omaha, NE, February 23, 2016.
13. “Teaching Differences between Illinois and Njala, and New IGHS Course Descriptions”, Illinois-Njala Symposium, University of Illinois and by internet connection Njala University, November 17, 2015.
14. “Teaching Tropical Epidemiology in Sierra Leone: Education and Research Opportunities.” Center for Infectious Disease Dynamics (CIDD) seminar, Penn State University, February 12, 2015.
15. “Modeling Foot and Mouth Disease: Implications for Managing an Outbreak.” CIDD Graduate student seminar, Penn State University, February 12, 2015.

16. “Managing and modeling a complex highly contagious foreign animal disease”. IUPUI Biomath seminar, Indianapolis, IN, November 21, 2014.
17. “Ebola 101: A Zoonosis with One Health Implications”. Global Health Initiative seminar for Urbana/Champaign Community, Urbana Public Library, November 17, 2014.
18. “Ebola 101: A Zoonosis with One Health Implications”. Global Health Initiative seminar for UIUC Campus, University of Illinois, November 10, 2014.
19. “FMD Vaccination: Results from a Modeling study of a MN FMD Outbreak”. USAHA annual Meeting, Foreign and Emerging Diseases Committee, Kansas City, MO, October 21, 2014.
20. “Teach in: Ebola and Global Health” UIUC Global Health. Champaign, IL, September 18, 2014.
21. “Vaccinology Considerations for Foot and Mouth Disease Preparedness and Response”. Department of Homeland Security Science and Technology Directorate. Washington DC, January 14, 2014.
22. “Current Vaccinology Considerations in North American Foreign Animal Disease Events – Implications for Foot and Mouth Disease (FMD) Preparedness and Response”. USAHA, Committee on Animal Emergency Management, San Diego, CA, October 19, 2013.
23. “Foot and Mouth Disease Preparedness and Response: A Wicked Problem.” FMD Symposium at the annual meeting of the National Institute for Animal Agriculture, Louisville, KY, April 18, 2013.
24. “Foot and Mouth Disease: A Looming Threat for U.S. Cattle Producers.” Annual meeting of the National Institute for Animal Agriculture, Bovine Committee meeting, Louisville, KY, April 16, 2013.
25. “Recommendations by the National Research Council of the National Academies: Elements of Relevance for UIUC College of Veterinary Medicine.” UIUC CVM Planning Team, November 29, 2012.
26. “Workforce Needs in Veterinary Public Practice: Recommendations by the National Research Council of the National Academies.” USAHA, Diagnostic Laboratory and Veterinarian Workforce Development Committee, Greensboro, NC, October 20, 2012.
27. “Recommendations by the National Academy of Sciences Committee Report: Workforce Needs in Academic Veterinary Medicine.” AVMA, San Diego, CA, August 5, 2012.
28. “Workforce Needs in Veterinary Public Practice: Recommendations by the National Research Council of the National Academies.” AVMA, San Diego, CA, August 5, 2012.
29. “Will a Comprehensive Global Source Attribution System Provide for Cost-Effective Food Safety?” One of eight speakers and debate leaders - Institute on Science for Global Policy, Emerging and Persistent Infectious Diseases (EPID): Focus on Societal and Economic Contexts, at George Mason University, Fairfax, VA, July 10, 2012.

30. “What are the implications of FMD for food animal producers and veterinarians in the US?” MN Veterinary Medical Association Annual Convention, Bovine section speaker sponsored by the MN Board of Animal Health, Feb 4, 2012.
31. “Lessons learned from Uruguay and Argentina on mass FMD vaccination: What are the implications for food animal producers and veterinarians in the US?” University of Illinois Fall Conference, September 16, 2011.
32. “Lessons Learned to Tackle Mass Vaccination Preparedness for FMD”. Meriel sponsored FMD seminar, Kansas City, MO. April 25, 2011.
33. “Lessons Learned to Tackle Mass Vaccination for FMD”. Department of Homeland Security, Office of Health Affairs. April 4, 2011.
34. “Mass Vaccination for FMD: Lessons Learned for Tackling this Wicked Problem.” Texas A&M, College of Veterinary Medicine. Seminar invited by Foreign Animal and Zoonotic Disease Defense Center. March 25, 2011.
35. “Mass Vaccination for Foot and Mouth Disease: A Wicked Problem”. Oklahoma State University, College of Veterinary Medicine seminar. March 23, 2011.
36. “Mass Vaccination for Foot and Mouth Disease: A Wicked Problem”. Osher Lifelong Learning Institute Spring 2011 Course. Champaign, Illinois, March 9, 2011.
37. “Mass Vaccination for Foot and Mouth Disease: A Wicked Problem”. Office of New Animal Drug Evaluation, Center for Veterinary Medicine, Rockville, MD, February 15, 2011.
38. “Triggers for Foot and Mouth Disease Vaccination in the United States”. Area Emergency Coordinators and Eastern Region Epidemiology Officers, Veterinary Services, USDA via electronic conferencing. January 13, 2011.
39. “Mass Vaccination for FMD: A collaborative project”. National Center for Animal Health Emergency Management All-Hands Meeting, Riverdale, MD. December 8, 2010.
40. “Mass Vaccination for FMD: A collaborative project”. November 16, 2010. Transmissible Diseases of Swine Committee at the USAHA annual meeting. Minneapolis, MN.
41. “Triggers for Foot and Mouth Disease Vaccination in the United States”. Committee on Animal Health Emergency Management and a time sensitive paper presented at the USAHA annual meeting. Minneapolis, MN. November 13, 2010.
42. “My collaborations with APHIS, VS, NCAHEM, NVS”. Center for Animal Health and Food Safety, University of Minnesota, Minneapolis, MN. November 11, 2010.
43. “Mass Vaccination for FMD: A Collaborative Project”. Meeting with GMAP (Ministry of Agriculture for Uruguay). Montevideo, Uruguay. March 25, 2010.

44. “Mass Vaccination for FMD: A Collaborative Project”. Meeting with SENASA (Ministry of Agriculture for Argentina). Chivilcoy, Argentina. March 22, 2010.
45. “Economists perspective on Veterinary Workforce Development”. Panelist for Committee on Diagnostic Laboratory and Veterinary Workforce Development. USAHA annual meeting. San Diego, CA. October 12, 2009.
46. “Economic modeling of foreign animal disease events: Observations and discoveries from a series of USDA and DHS-sponsored collaborative efforts”. AAEA National Meeting, Co-Organizer for this AAEA Symposium; served as session Moderator and first discussant, Milwaukee, WI, July 28, 2009.
47. “National Veterinary Stockpile: Science-based Logistics Improving Disease Response”. Illinois Veterinary Emergency Response Team Training Program; Illinois Veterinary Medical Annual Convention, Chicago, IL, November 7, 2008.
48. “National Veterinary Stockpile: Science-based Logistics Improving Disease Response”. United Egg Producers HPAI Outbreak Seminar, September 23-24, 2008. Indianapolis, IN.
49. “Indemnity in FAD”. United Egg Producers HPAI Outbreak Seminar, September 23-24, 2008. Indianapolis, IN.
50. “Statement of the problem: Models, applications, data, and gaps”. Joint Modeling Operations Center (JMOC) Economic Modeling Workshop, October 29, 2007. Washington DC. Workshop sponsored by the National Center for Animal Health Emergency Management and the Department of Homeland Security.
51. “Biosecurity and FAD preparedness: Attitudes About and Implications of Highly Pathogenic Avian Influenza in the US Poultry Industry”. International Symposium on Strategies for Avian Influenza Prevention, National Taipei University, Taipei, Taiwan, October 4-5, 2007.
52. “The Economic Impacts of FAD and the Current Implications of Highly Pathogenic Avian Influenza in the US Poultry Industry”. National Chung Hsing University, Taichung, Taiwan, October 1, 2007.
53. “The National Veterinary Stockpile: HPAI Preparedness”. Poultry Veterinarians Meeting; part of the American Veterinary Medical Association Annual Convention, Washington DC, July 15, 2007.
54. “The National Veterinary Stockpile: HPAI Preparedness”. Association of Veterinarians in Broiler Practice; part of the American Veterinary Medical Association Annual Convention, Washington DC, July 14, 2007.
55. “The National Veterinary Stockpile”. Illinois Veterinary Emergency Response Team Training Program; Illinois Veterinary Medical Annual Convention, Chicago, IL, November 3, 2006.
56. “The Influence of *Salmonella* in Pigs Preharvest on *Salmonella* Human Health Costs and risks from Pork”. North Dakota State University Great Plains Food Safety Institute. Integrated risk studies: Gate to Plate Conference. May 4-5, 2006.

57. "Production Economics of Swine Farms in Illinois." Wenshi Group Agricultural Farms, Guangzhou, China, May 28, 2005.
58. "Production Economics of Swine Farms in Illinois". Zhongshan Baishi Pig Farm, near Guangzhou, China, May 27, 2005.
59. "Farm-level Impact of Banning Growth Promoting Antibiotics: Use in U.S. Pig Grower/Finisher Operations." Shandong Agricultural University, China, May 23, 2005.
60. "System Influences on Ammonia and Hydrogen Sulfide Emitted from Mechanically Ventilated Swine Finishing Buildings in Illinois." Seventh International Livestock Environmental Symposium. Beijing, China, May 18-20, 2005.
61. "Benefits and Costs of Antibiotic Use in Pigs: How Much Profit Gain Is There?" UIUC Fall Conference, Urbana, Illinois, October 14-15, 2004.
62. "Antibiotic use in Food Animals: Is Veterinary Medicine for it or Against it?" NCADC/FSC Joint Symposium on Food Safety. Iowa State University, Ames, IA, October 4-5, 2005.
63. "Costs and Benefits for Antibiotic Use in Food Producing Animals." Washington DC. Symposium on Risk Assessment and Antimicrobial Resistance: Past, Present and Future. Sponsored by the Society for Risk Assessment, September 28-29, 2004. Presentation available on-line at http://www.analyzerisk.com/meetings/m_AMR_RA.html
64. "The Future of Veterinary Medical Education." Western University, Pomona, CA, August 30, 2004.
65. "Contemporary Issues in Systems Design and Management in Pork Production: Subtheapeutic Antibiotic Use, Odor and Manure Management, Salmonella Control Preharvest." Purdue University, West Lafayette, IN, February 23, 2004.
66. "Improving air quality and odor cost effectively: Lessons from observations from mechanically ventilated swine barns." Pork Industry Conference, Champaign, Illinois, December 11-12, 2003.
67. "Improving the economics in animal health economics." Panel member for mini-symposium, 10th International Symposium on Veterinary Epidemiology and Economics. Vina Del Mar, Chile, Nov. 17-21, 2003.
68. "The influence of growth promoting antibiotics on variability of productivity and economics in U.S. swine finishing." 10th International Symposium on Veterinary Epidemiology and Economics. Vina Del Mar, Chile, Nov 17-21, 2003.
69. "Preharvest influence on *Salmonellae* human health costs and risks from Pork." 5th International Symposium on the Epidemiology and Control of Foodborne Pathogens in Pork. Crete, Greece, October 1-4, 2003.

70. "Antibiotics for Growth Promotion in Pig Production," 106th Annual Meeting of the United States Animal Health Association Meeting, Pharmaceutical Committee, St. Louis, MO, October 22, 2002.
71. "Policy Issues and Considerations for Feedgrade Antibiotic Use in Pork Production," Pharmaceutical Issues Task Force, National Pork Board, Des Moines, IA, October 10, 2002.
72. "Basic Veterinary Epidemiology I," Training course for U.S.D.A., A.P.H.I.S., V.S., Economics Section, May 21-23, 2002.
73. "The Economic Impact for Producers Arising from Feedgrade Antibiotic Use in Pork Production," 82nd Conference of Research Workers in Animal Diseases, St. Louis, Missouri, November 11-13, 2001.
74. "On farm HACCP and the Economic Impact of Feedgrade Antibiotic Use for Swine Producers," Illinois Food Safety Symposium 2001: A Food Safety Odyssey, St. Charles, Illinois, September 6-7, 2001.
75. "Characterization of Odor and Gas Emitting Potential from Mechanically Ventilated Deep and Shallow Pit Swine Finishing Buildings in Illinois," Sixth International Symposium on Livestock and the Environment, Louisville, Kentucky, May 21-23, 2001.
76. "Economic Impact of Control/Prevention of Porcine Respiratory Disease in Batch Finishing Operations." Ninth International Symposium on Veterinary Epidemiology and Economics, Breckenridge, Colorado; August 7-11, 2000.
77. "Is There Consumer Demand for Certified Safer Pork?" Third International Symposium on the Epidemiology and Control of Salmonella in Pork; Washington, D.C., August 5-7, 1999.
78. "Economics in a HACCP World," Animal Production Food Safety Workshop.
August 25, 1998, Columbus, Ohio.
August 26, 1998, Omaha, Nebraska.
August 27, 1998, Denver, Colorado.
79. Basic Veterinary Epidemiology I; training course for U.S.D.A., A.P.H.I.S., V.S., Economics Section, April 28, 29, 20, 1998.
80. "Changing Economics and the Influence of Women in the Profession," 134th Annual Convention of the AVMA, Reno, Nevada, July 23, 1997.
81. "Career Opportunities in Veterinary Medicine." Chicagoland Pet Show, Arlington Heights Racetrack, Marcy 23, 1996.
82. "The Future Begins Now," University of Illinois, keynote address for Minority Research Apprenticeship and Illinois Minority Science Internship Programs banquet, August 5, 1995.
83. "Admissions Criteria for the DVM Program"; Phi Zeta Symposium, April 6, 1995.

84. "Economic and Epidemiologic Modeling of Animal Disease; the Case of PRV Eradication in the US," University of Illinois, October 27, 1994.
85. "Benefit-Cost Analysis of the Pseudorabies Eradication Program in the United States," Seventh International Symposium on Veterinary Epidemiology and Economics, Nairobi, Kenya, August 15-19, 1994.
86. "Pseudorabies Infection and Aujeszkie's Disease in the U.S. Swine Herd"; First World Congress on Computational Medicine, Public Health and Biotechnology, Austin, Texas, April 25-28, 1994.
87. "Cost-Benefit Analysis – PRV Study Report"; 78th Annual Meeting of the Livestock Conservation Institute, Lansing, Michigan, April 13-15, 1994.
88. "Pseudorabies Virus: Predicting Infected Herd Numbers"; 74th Conference of Research Workers in Food Animal Diseases; Chicago, Illinois, November 8-9, 1993.
89. "Assessing the Potential of the Pseudorabies Eradication Program: Considerations for Predicting PRV Prevalence"; 97th Annual Meeting of the United States Animal Health Association, Las Vegas, Nevada, October 25-29, 1993.
90. "Pseudorabies Economic Impacts"; Northern Regional Epidemiology Meeting, Columbus, Ohio, April 27-29, 1993.
91. "Made in Logan County ... and Ready for the World"; sponsored by American Association of University Women, presentation to Logan County High School Women, Bellefontaine, Ohio, April 21, 1993.
92. "Benefit Cost Analysis of the National Pseudorabies Eradication Program – Mid-Project Report"; 77th Annual Meeting of the Livestock Conservation Institute, Salt Lake City, Utah, April 14-16, 1993.
93. "Veterinary Services and Medicine: Our Impact on Dairy Farms"; Ohio Veterinary Medical Association Annual Convention, Columbus, Ohio, February 18-21, 1993.
94. "The Impact of Veterinary Services on Dairy Farm Productivity and Profitability"; 73rd Conference of Research Workers in Food Animal Diseases; Chicago, Illinois, November 9-10, 1992.
95. "Benefit Cost Analysis of the National Pseudorabies Eradication Program – A Proposal"; 96th Annual Meeting of the United States Animal Health Association Meeting, Louisville, Kentucky, November 1-6, 1992.
96. "The Impact of Veterinary Services and Medicine on Dairy Farm Productivity and Profitability"; Veterinary Preventive Medicine Seminar Series, March 11, 1992.
97. "The Economic Impact of Clinical Mastitis – Results from the Ohio National Animal Health Monitoring Systems"; and "The Potential for Graduate Studies at The Ohio State University"; Warsaw, Poland, September 12, 1991.

98. "The National Animal Health Monitoring System – Results from the Ohio Project"; Pulawy, Poland, September 4, 1991.
99. "Effects of Management and Environmental Factors on Mortality Rates in Prewaned Dairy Calves"; 6th International Symposium on Veterinary Epidemiology and Economics, Ottawa, Canada, August 12-16, 1991.
100. "Cluster Sampling for Estimating the Costs of Clinical Mastitis in Dairy Cows by Type of Organism"; 6th International Symposium on Veterinary Epidemiology and Economics, Ottawa, Canada, August 12-16, 1991.
101. "A General Stochastic Dominance Method for Evaluating Management Strategies, With an Application to Mastitis Control in Dairy Cows"; The Annual Meetings of the American Agricultural Economics Association, Kansas State University, Manhattan, Kansas, August 4-7, 1991.
102. "The Cost of Clinical Mastitis in Ohio Dairy Herds"; 71st Conference of Research Workers in Food Animal Diseases, Chicago, Illinois, November 5-6, 1990.
103. "Costs of Clinical Mastitis and Mastitis Prevention"; 23rd Annual Conference of the American Association of Bovine Practitioners and International Mastitis Symposium of the National Mastitis Council, Indianapolis, Indiana, September 13-16, 1990.
104. "Economics of Using Culling to Control Staph Mastitis in 3 Herds"; OSU Quality Milk Seminar for Veterinarians, The Ohio State University, April 9-10, 1990.
105. "The Economics of Mastitis Prevention"; Mastitis Research Workers Conference – 31st Annual Meeting, Louisville, Kentucky, October 26-27, 1989.
106. "The Economic Effect of Mastitis and Mastitis Control for U.S. Dairy Cows"; Presented to the Lithuanian Veterinary Academy, Kaunas, Lithuania, SSR, June 28, 1989.
107. "The Economics of Mastitis and Mastitis Prevention for Dairy Producers"; Seminar, Washington State University, April 20, 1989.
108. "The Economic Impact of Mastitis and Mastitis Control"; Seminar, Kansas State University, April 12, 1989.
109. "The Economic Impact of Mastitis and its Prevention for Dairy Producers"; Veterinary Preventive Medicine Seminar Series, The Ohio State University, March 1, 1989.
110. "Evaluating the National Impact of Food Animal Diseases"; 5th International Symposium on Veterinary Epidemiology and Economics, Copenhagen, Denmark, July 25-29, 1988; paper was read by Dr. Steen Bech-Nielsen.
111. "NAHMS Update for 1988-89 Data Collection"; Ohio NAHMS work conference, Columbus, Ohio, July 17, 1988.

112. "The Use of Partial Budgeting and Information Gathering to Estimate the Economic Impacts of Swine Diseases"; American Association of Swine Practitioners Annual Convention, St. Louis, Missouri, March 6-8, 1988.
113. "Use of SCC Data by Dairy Producers"; Ohio Veterinary Medical Association Annual Convention, February 26-28, 1988.
114. "DHI-SCC Utilization by Dairy Producers and Veterinarians"; Veterinary Preventive Medicine Seminar Series, The Ohio State University, February 24, 1988.
115. "NAHMS Continuing Education – Evaluation of Economic and Epidemiologic Data"; Ohio NAHMS work conference, Columbus, Ohio, January 28, 1988.
116. "Economic Analyses of NAHMS Data in Ohio"; Department of Environmental Health, Colorado State University, Fort Collins, Colorado, November 16, 1987.
117. "An Economic Summary of the National Animal Health Monitoring System Data in Ohio, 1986-87"; 91st Annual Meeting of the United States Animal Health Association, Salt Lake City, Utah, October 26-20, 1987.
118. "The National Animal Health Monitoring System in Ohio"; Department of Veterinary Preventive Medicine Seminar Series, The Ohio State University, October 13, 1987.
119. "The Economics of Food Animal Diseases in Ohio; Data from the National Animal Health Monitoring System"; The XXIII World Veterinary Congress, Montreal, Canada, August 16-21, 1987.
120. "The Effects of Supply Shifts on Producers Surplus"; The Annual Meetings of the American Agricultural Economics Association, Michigan State University, East Lansing, Michigan, August 2-5, 1987.
121. "The Economics of Food Animal Diseases in Ohio; Data from the National Animal Health Monitoring System"; Ohio Veterinary Medical Association Annual Convention, February 27-March 1, 1987.
122. "Effects of Supply Shifts on Producer Surplus"; Department of Agricultural Economics Seminar, The Ohio State University, June 27, 1986.
123. "Production and Economic Differences Between Preconditioned and Non-preconditioned Feedlot Calves"; Conference on Economics of Animal Diseases, Michigan State University, East Lansing, Michigan, June 22-25, 1986.
124. "Evaluating NADDS Data from Ohio Farms"; National NADDS Work Conference, Washington, D.C., April 16, 1986.
125. "Prospects for Food Animal Medicine"; invited address for VM 8111 to freshman veterinary students at Virginia Polytechnical Institute, Blacksburg, Virginia, March 27, 1986.

126. “Economic Thumbrules of Mastitis Control”; OSU Quality Milk Seminar, The Ohio State University, March 25-26, 1986.
127. “The Future of Large Animal Practice and Marketing Veterinary Services”; Ohio Veterinary Medical Association Annual Convention, February 28-March 2, 1986.
128. “Using Reproductive Records”; Dairy Herd Reproductive Management Workshop, The Ohio State University, December 10-11, 1985.
129. “Results from the NADDS Questionnaires”; Ohio NADDS Work Conference, Reynoldsburg, Ohio, November 6, 1985.
130. “Demographics and Predictions for Large Animals and Public Practice”; First International Symposium on the Future of the Veterinarian, April 29-30, 1985, Columbus, Ohio.
131. “The Usage and Perception of Veterinary Services in Ohio”; Ohio Veterinary Medical Association Annual Convention, February 22-24, 1985.
132. “Utilization and Perception of Veterinary Services in Ohio”; Veterinary Preventive Medicine Seminar Series, The Ohio State University, November 15, 1984.
133. “Veterinary Medicine: On-farm Economics”; 6th Annual Ohio Agricultural Lenders School, Columbus, Ohio, October 30, 1984.
134. “Economic Effects of Transmissible Gastroenteritis in Swine Production:’ The 1983 American Agricultural Economics Association Annual Meeting, Purdue University, West Lafayette, Indiana, July 31-August 3, 1983.
135. “The Production and Economic Impact of TGE; Functional Modeling of the Relationship of Feed Efficiency, Days to Market Weight, and Costs of Production”; Veterinary Preventive Medicine Seminar Series, the Ohio State University, February 23, 1983.
136. “Some Micro and Macroeconomic Impacts of Swine Disease – The Case of TGE”; 3rd International Symposium on Veterinary Epidemiology and Economics, Arlington, Virginia, USA, September 6-10, 1982.
137. “Economic Considerations in Livestock Health and Production”; Veterinary Preventive Medicine Seminar Series, the Ohio State University, June 8, 1982.

F. Membership Held in Professional Societies

American Veterinary Medical Association
 Illinois State Veterinary Medical Association
 United States Animal Health Association
 American Association for the Advancement of Science
 American Agricultural Economics Association
 American Association of Swine Veterinarians
 Alpha Lambda Delta

Association for Veterinary Epidemiology and Preventive Medicine (formerly called Association of Teachers of Veterinary Public Health and Preventive Medicine)
 Association for Women Veterinarians
 Gamma Sigma Delta
 International Association for Food Protection
 Phi Kappa Phi
 Phi Zeta Honor Society

G. Editorships of Journals or Other Learned Publications

H. Grants Received

(List Principal Investigator first, any co-PI's, dates of grant, and dollar amount.)

Funded Program Support Grants:

“Tropical Epidemiology: Scholar Infusion”; Principal Investigator for this teaching grant to revise and update ANSC 499 course; 2018 from ACES teaching enhancement grant program supported by the Sleeter Bull Endowment; \$2,500.

“National Consortium for Pork Technology and Education”; Co-Principal Investigator, for development of Center grant; 1997 from Fund for Rural America; joint with Iowa, Indiana, Minnesota, North Carolina and Wisconsin, \$25,000.

“Research Apprentice Program for Minority High School Students in Applied Sciences”; Principal Investigator, 1996-1997 from USDA, CSREES, \$10,000.

Asynchronous Learning Network in Support of a Virtual Veterinary Curriculum; Co-Investigator. 1995-1997 from UI Learning Technologies in Higher Education Program, \$43,537.

“Minority High School Student Research Apprentice Program”; Principal Investigator, 1995-1996 from NIH, \$23,000.

“Research Apprentice Program for Minority High School Students in Applied Sciences”; Principal Investigator, 1995-1996 from USDA, CSREES \$5,000.

Smith-Kilborne Program; Authorized representative; 1995 from USDA, APHIS, R&D, \$1,075.

Funded Research Activities:

National Animal Disease Preparedness and Response Program (NADPRP), Assessing and Improving Biosecurity Knowledge and Practices Among Illinois Swine and Beef Cattle Producers and Veterinarians. Co-Principal Investigator. 2021-2023. \$422,861 funded by USDA, APHIS, VS.

National Animal Disease Preparedness and Response Program (NADPRP), Animal Disease Training and Exercises Across the Veterinary Educational Spectrum (AD-TEAVES). Principal Investigator (shared status with Yvette Johnson). 2020-2022. \$429,835, funded by USDA, APHIS, VS.

A fever diagnostic panel using multiplexed smartphone spectroscopy and a simplified platform for rapid sandwich immunoassays. Project Consultant. 2018-2020. NIH R21 AI130562, funded by NIAID \$385,000.

CGS' Title VI National Resource Center Grant in Global Studies. Co-Investigator. 2017-2018. US Department of Education; \$18,500.

Zoo Ready 2017. Animal Emergency Management Exercises. National Emergency Preparedness and Response in Zoos and Aquariums. Co-Investigator. 2016 - 2017. USDA APHIS and American Zoological Association (AZA). \$100,000.

Preventing the next storm: Building research and epidemic response capability at Njala University, Sierra Leone. Contributing faculty member. FAO Planning grant for capacity building; 2016-2017. \$46,296.

Animal Emergency Management Exercises. Zoo Ready FY16: National Emergency Preparedness and Response in Zoos and Aquariums. Co-Investigator. 2015 – 2016. USDA APHIS. \$237,784.

Global Health Initiative. Co-Investigator. \$13,712, 2014-2015; \$14,430, 2015-2016; \$14,790, 2015-2016; \$15,161, 2016-2017. Department of Education, Title VI, to the National Resource Center in Global Studies.

Emerging Issues and Research on Harmful Cyanobacterial Algal Blooms Impact on Populations and Ecosystems. Principal Investigator. 2014-2015. University of Illinois Focal Point Education Grant. \$14,980.

Illinois-Njala Global Health Partnership. Co-Principal Investigator. 2014-2015. University of Illinois Focal Point Education Grant. \$15,000.

Zoo Ready: National Emergency Preparedness and Functional Exercises of FAD Outbreak Response in Zoos and Aquariums. Co-Investigator. 2014-2015. USDA APHIS. \$116,000.

Animal Emergency Management Exercises. Zoo Animal All-Hazards Preparedness Fusion Center: Functional Exercise. Co-Investigator. 2015. USDA APHIS. \$83,500.

Animal Emergency Management Exercises. Zoo Ready US: National Emergency Preparedness and Functional Exercises of FAD Outbreak Response in Zoos and Aquariums. Co-Investigator. 2013–2014. USDA APHIS. \$143,000.

Building the Capacity of Illinois' Food Safety System to Protect Public Health in an Emergency Response Project Research Strategy. Co-Investigator. 2013-2014. DHS Flow-through Funds to IDPH. \$81,469.

Animal Emergency Management Exercises. Flu at the Zoo II: Emergency Preparedness Training and Functional Exercise of FAD Outbreak Response in Zoos and Aquariums. Co-Investigator. 2012–2013. USDA APHIS. \$90,000.

Predictors of Success in Foodborne Outbreak Investigations in the United States; Faculty oversight for Heather Davis Capstone Project, 2012-2013 from One Health CVM Funds, \$9,989.

National Veterinary Stockpile Emergency Response and Asset Management Capacity, Co-Principal Investigator: 2010-2011. USDA Cooperative Agreement, \$99,513; no cost extension granted to 2012.

National Veterinary Stockpile Emergency Response and Asset Management Capacity, Principal Investigator: 2010-2011. USDA Cooperative Agreement, \$96,235.

National Veterinary Stockpile Emergency Response and Asset Management Capacity, Co-Principal Investigator: 2009-2010. USDA Cooperative Agreement, \$179,998.

National Veterinary Stockpile Emergency Response and Asset Management for Foreign Animal Disease Response. Principal Investigator, 2009-2010. USDA Cooperative Agreement, \$94,474.

National Veterinary Stockpile Emergency Response and Asset Management Capacity, Co-Principal Investigator: 2008-2009. USDA Cooperative Agreement, \$77,288.

National Veterinary Stockpile Emergency Response and Asset Management Capacity, Co-Principal Investigator: 2007-2008. USDA Cooperative Agreement, \$159,684.

AAAS (American Association for the Advancement of Science) Science and Technology Policy Fellowship, 2006-2007. \$84,559.

The Effect of Non-medicated Feed on Outdoor Nursery Pig Health and Performance; Co-Investigator; 2006-2007. Illinois Department of Agriculture. \$25,000.

Impact of Autosort System on Pig Welfare and Profitability; Co-Investigator; 2005-2006. Illinois Pork Producers Association. \$71,743.

The Economic Impact for Producers and Consumers Arising from Feedgrade Antibiotic Use in Pork Production: A Social Welfare Framework; Co-Principal Investigator: \$60,980; 2000-2001; C-FAR, IL Dept. of Ag; project renewed-2001-2002 funding of \$82,000; project renewed-2002-2003 funding of \$57,000; project extended 2004-2005.

Modeling of Swine Odor and Waste Management; Co-Principal Investigator: \$127,000; 1998-1999; C-FAR, IL Dept of Ag; project renewed-1999-2000 funding of \$108,593; project renewed-2000-2001 funding of \$110,000; project renewed-2002-2003 funding of \$30,000; project extended 2004-2005.

Productivity and Economic Impacts of Feedgrade Antibiotic Use in Pork Production; Co-Principal Investigator; 2002-2003 funding of \$36,502 from National Pork Board.

The Interaction of Mixed Respiratory Infection in Commercial Pig Production; Co-Investigator; 2000-2001; Illinois Department of Agriculture \$25,812.

Development of Farm-level Strategies to Improve *Salmonella* Pork Safety; Co-Investigator; 2000-2001; C-FAR Food safety SRI, IL Dept of Ag, \$48,100.

Food Safety SRI; Co-Principal Investigator; 1999-2000; C-FAR, IL Dept of Ag, \$25,000.

Food Safety SRI; Co-Investigator; 1999-2000, C-FAR, IL Dept of Ag, \$81,370.

Economic Impact of Control/Prevention of Enzootic Pneumonia and Other Swine Disease in Illinois Pigs; Principal Investigator; 1998-2000; C-FAR, IL Dept of Ag., \$114,512.

Reducing Salmonella in Illinois Pigs: Promoting Food Safety and Sustaining Markets; Co-Investigator; 1996-1998; C-FAR, IL Dept. of Ag, \$152,410.

Illinois Swine Health Monitoring System; Co-Investigator; C-FAR, IL Dept. of Ag, \$165,540; 1995-1998.

A Benefit-Cost Analysis of the National Pseudorabies Eradication Program; Principal Investigator; 1992-1994 from USDA, APHIS, \$79,756.

Prospective Study to Determine the Principal Source of How New Herds Become Infected with Pseudorabies Virus; Co-Investigator; 1992-1994; National Pork Producers, \$17,977.

Evaluating the Economic Value of Dry Cow Therapy; Principal Investigator; \$6,927; 1992-1994; Milk Check-Off Committee, (\$3,927) and College of Veterinary Medicine (\$3,000).

The Use of Analgesics, Anesthetics and Surgical Materials in Laboratory Animals: A Survey of Diplomates of The American College of Laboratory Animal Medicine; Co-Investigator; 1993-1994 from Pitman-Moore, \$16,009.

Pseudorabies Virus Eradication Efforts in a High Density Infected Area in Ohio, A Stage III State-Federal Industry Pseudorabies Eradication Program Area; Co-Investigator; 1991-93; USDA, APHIS, \$52,000.

Affects on Blood Serum Calcium of Post Parturient Dairy Cows After Oral Administration of a Calcium Containing Gel. Co-Investigator; 1990-91; from Dr. Dale Walther and PRN Pharmaceutical Co, \$3,300.

Economics of an Ecological Approach to Equine Parasite Control; Co-Investigator; 1990-1992; Equine Research Funds, The Ohio State University, \$10,576.

Effects of Subclinical Infection with Ovine Progressive Pneumonia Virus on Sheep Flock Productivity; Co-Investigator; 1990-1991 from the Research Challenge Investigators funds, The Ohio State University, \$4,325.

Relationships between Herd Selenium (and Vitamin E) and Herd Incidence of Mastitis in Ohio Dairy Cattle; Principal Investigator; 1988-89 from the Research Challenge – Investigators' Fund, The Ohio State University, \$4,492.

Evaluation of Economic and Epidemiologic Data from the National Animal Health Monitoring System; Identifying Bacterial Agents Associated with Bovine Mastitis and Special Studies with the NAHMS Core for Mastitis in Dairy Cattle; Principal Investigator; 1988-89 from USDA, APHIS, \$164,840.

An Economic Evaluation of Strategies to Reduce the Prevalence of Coagulase-positive Staphylococcal Mastitis in 3 Ohio Herds; Co-Investigator; 1987-88, from Ohio Milk Check Off Funds, \$5,852.50

Subproject II: Identifying Infectious Agents Associated with Neonatal Calf Enteric Disease from the NADDS; Co-Investigator; 1986 from USDA, APHIS, \$30,800.

Socioeconomic Issues in the Utilization of the Dairy Herd Improvement Individual Somatic Cell Counting Program; Co-Investigator; 1986, from National Cooperative Dairy Herd Improvement Program \$6,205.

Evaluation of Economic and Epidemiologic Data from the National Animal Disease Detection System (NADDS); Computer Entry and Processing of Ohio NADDS Data; Principal Investigator; 1986-1987, from USDA, APHIS, \$65,172.

Development and Use of Economic Data from the National Animal Disease Surveillance Program; Principal Investigator; 1984-1986, from USDA, APHIS, \$26,760.

Usage and Perception of Veterinary Services Before and After the Ohio Veterinary Medical Association's Centennial Celebration Project; Principal Investigator; 1982-1984, from the Ohio Veterinary Medical Association, \$20,000.

I. Review Panels (e.g. for Governmental Agencies, Educational Institutions or other Organizations)

U.S.D.A., S.B.I.R. Review Panel, May 22, 2018.

Subject Matter Expert for Department of Homeland Security Science and Technology Directorate for Agricultural Defense Risk Assessment Requirements Gathering, 2012-2014.

Subject Matter Expert for the National Academy of Sciences support for the Committee on the Evaluation of an Updated Site-Specific Risk Assessment for the National Bio- and Agro-Defense Facility in Manhattan, Kansas. September 6 and 7, 2011.

NSF Competitive Review Panel for Site Visit for Mathematical BioSciences Institute. Sept 8-11, 2009.

U.S.D.A., S.B.I.R. Review Panel, December 3-4, 2008.

NSF Competitive Review Panel for Site Visits for the Center for Integrated Mathematics and Biological Sciences (CMBIS). June 2-5, 2008.

NSF Competitive Review Panel, May 8-9, 2008.

U.S.D.A. Program of Research on the Economics of Invasive Species Management (PREISM) at the Economic Research Service, 2003, 2006. External reviewer.

U.S.D.A. National Research Initiative Competitive Grants Program (NRICGP), 1999-2006. *Ad hoc* reviewer.

C-FAR Competitive Grants Review Panel, University of Illinois, 1998, 1999, 2001, 2002.

U.S.D.A. Cooperative State Research Service, Office of Grants and Program Systems, Competitive Research Grants, Washington, D.C. 1991-1994, *Ad hoc* reviewer.

College Council for Research, 1990-1992. Grant reviewer for all internal College fund distributions for Canine, Equine, Formula Funds, and Seed Grants. Chair, 1991-1992.

O.S.U. Teaching Excellence Grants, 1988-1990.

II. PUBLICATIONS AND CREATIVE WORKS

Denotes any publication derived from the candidate's thesis.

* Denotes publication that has undergone stringent editorial review by peers.

** Denotes publication that was invited and carries special prestige and recognition.

(Additional symbols may be used to denote other noteworthy features. Please define.)

A. Doctoral thesis title

The Economic Impact of Management Strategies to Control Somatic Cell Counts in Dairy Herds.

Master's thesis title

Production and Economic Impact of Disease—An Application to T.G.E.

B. Books Authored or Co-Authored (in print or accepted)

1. National Research Council. 2013. Workforce Needs in Veterinary Medicine. Washington, DC: 310 pages. The National Academies Press. <https://doi.org/10.17226/13413>

C. Books Edited or Co-Edited (in print or accepted)

D. Chapters in Books (in print or accepted)

1. Miller, G.Y., Dickson, J.S.; Food Safety Issues and the Microbiology of Pork. Chapter 10 in Microbiologically Safe Foods, Edited by Norma Heredia, Irene Wesley, and Santos Garcia; John Wiley & Sons, 2009, pages 209-226.
2. Miller, G.Y., Hofacre, C., Holmstrom, L.; Farm Level Control of Foreign Animal Disease and Food-borne Pathogens. Chapter in *Wiley Handbook of Science and Technology for Homeland Security, 2008* (the URL for the Handbook is https://www.oreilly.com/library/view/wiley-handbook-of/9780471761303/168_vol3-chapter22.html).

E. Monographs (in print or accepted)

F. Articles in Journals (in print or accepted)

1. Miller, G.Y., Rosenblatt, J.; Mathematical Modeling of the Relationship Between Feed Efficiency, Days to Market Weight, and Costs of Production; *Growth*, 1984, 48:254-267.
2. Miller, G.Y., Kliebenstein, J.; The Economic Impact of Transmissible Gastroenteritis for Swine Producers Participating in the Missouri Mail-in-Record Program; *Preventive Veterinary Medicine*, 1985, 3:475-488.
3. Hoblet, K., Miller, G.Y., Bartter, N.; Economic Assessment of a Pseudorabies Epizootic, Breeding Herd Removal/Repopulation, and Downtime in a Commercial Swine Herd; *Journal of the American Veterinary Medical Association*, 1987, 190:405-409.

4. Miller, G.Y., Loerch, S.; Production and Economic Differences Between Preconditioned and Non-Preconditioned Feedlot Calves. *In* Mather, E.C., Kaneene, J.B. (eds.): *Economics of Animal Diseases*. W.K. Kellogg Foundation, 1987, pp. 156-164.
5. Miller, G.Y., Spangler, E., Dorn, C.R.; Veterinary Service Usage and Animal Ownership in Ohio, U.S.A.: Results of Telephone Surveys in 1983 and 1984; *Preventive Veterinary Medicine*, (1987): 435-446.
6. Dorn, C.R., Miller, G.Y., Use of Epidemiological and Toxicological Observations in Domestic and Wild Animal Populations for Evaluating Human Health Risks, *Alternatives to Laboratory Animals*, 1987, 15:124-130.
7. Lightner, J.K., Miller, G.Y., Hueston, W.D., Dorn, C.R.; Estimation of the Costs of Mastitis Using Milk Somatic Cell Count and National Animal Health Monitoring System Data; *Journal of the American Veterinary Medical Association*, 1988. 192:1410-1415.
8. Miller, G.Y., Eastridge, M.L., Hueston, W.D., Hoblet, K.H.; Use of Dairy Herd Improvement Somatic Cell Information by Ohio Dairy Producers and Their Perceptions of Mastitis. *Journal of Dairy Science*, 1988, 71:2284-2291.
9. Miller, G.Y., Rosenblatt, J., Hushak, L.; The Effects of Supply Shifts on Producer Surplus; *American Journal of Agricultural Economics*, 1988, 70:886-891.
10. Rohde, R.F., Miller, G.Y., Hueston, W.D.; How to Evaluate the Success and Economics of an Embryo Transfer Program; *Veterinary Medicine*, 1988, 83:1165-1171.
11. Miller, G.Y., Dorn, C.R.; Costs of Dairy Cattle Diseases to Producers in Ohio; *Preventive Veterinary Medicine*, 1990, 8:171-182.
12. Miller, G.Y., Dorn, C.R.; Costs of Swine Diseases to Producers in Ohio; *Preventive Veterinary Medicine*, 1990, 8:183-190.
13. Monfort, J.D., Miller, G.Y.; Diagnostic Test Evaluation and Application in Food Animal Practice; *Compendium for Continuing Education for Practicing Veterinarians*, 1990, 12:1182-1190.
14. Hueston, W.D., Hoblet, K.H., Miller, G.Y., Eastridge, M.L.; Mastitis Control Services and Utilization of Milk Somatic Cell Count Data by Ohio Veterinarians; *Journal of the American Veterinary Medical Association*, 1990, 196:1956-1961.
15. Bartlett, P.C., Miller, G.Y., Anderson, C.R., Kirk, J.; The Relationship Between Milk Production and Somatic Cell Count in Michigan Dairy Herds; *Journal of Dairy Science*, 1990, 73:2794-2800.
16. Miller, G.Y., Bartlett, P.C.; The Economic Effects of Mastitis Prevention Strategies for Dairy Producers; *Journal of the American Veterinary Medical Association*, 1991, 198:227-231.

17. Bartlett, P.C., Van Wyk, J., Wilson, D.J., Green, C.D., Miller, G.Y., Majewski, G.A., Heider, L.E.; Temporal Patterns of Lost Milk Production Following Clinical Mastitis in a Large Michigan Holstein Herd; *Journal of Dairy Science*, 1991, 74:1561-1572.
18. Hoblet, K.H., Miller, G.Y.; Use of Partial Budgeting to Determine the Economic Outcome of *Staphylococcus aureus* Intramammary Infection Reduction Strategies in 3 Ohio Dairy Herds; *Journal of the American Veterinary Medical Association*, 1991, 199:714-720.
19. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Use of Bulk Tank and Milk Filter Cultures in Screening for *Streptococcus Agalactiae* and Coagulase-positive *Staphylococci*; *Journal of Food Protection*, 1991, 54:848-851.
20. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Clinical Mastitis and Intramammary Infections in Ohio Dairy Farms; *Preventive Veterinary Medicine*, 1992, 12:59-71.
21. Luchelli, A., Lance, S.E., Bartlett, P.B., Miller, G.Y., Saif, L.J.; A Prevalence Survey of Bovine Group A Rotavirus Shedding Among Dairy Calves in Ohio; *American Journal of Veterinary Research*, 1992, 53:169-174.
22. Bech-Nielsen, S., Miller, G.Y., Bowman, G.L., Dodaro, J.J.; Economic Impact of an Epizootic of Pseudorabies in a Commercial Swine Herd in Ohio, Achieving Test Negative Status and Quarantine Release by Use of Vaccination and Test and Removal; *Journal of the American Veterinary Medical Association*, 1992, 200:1817-1823.
23. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Environmental and Managerial Determinants of Intramammary Prevalence of Environmental *Streptococcus* and Coliforms in Ohio Dairy Herds; *Journal of Dairy Science*, 1992, 75:1241-1252.
- ◆ 24. Constable, P.D., Miller, G.Y., Hoffsis, G.F., Hull, B.L., Rings, D.M.; Risk Factors for Abomasal Volvulus and Left Displaced Abomasum in Cattle: An Epidemiologic Study of 8,731 Cases (1977-1986); *Journal of Veterinary Research*, 1992, 53:1184-1192.
25. Lance, S.E., Miller, G.Y., Hancock, D.D., Bartlett, P.C., Heider, L.E.; Salmonella in Neonatal Calves from Ohio Dairy Farms; *Journal of the American Veterinary Medical Association*, 1992, 201:864-868.
26. Lance, S.E., Miller, G.Y., Hancock, D.D., Bartlett, P.C., Heider, L.E., Moeschberger, M.L.; Effects of Environment and Management on Mortality Rates in Pre-Weaned Dairy Calves in Ohio; *Journal of the American Veterinary Medical Association*, 1992, 201:1197-1202.
27. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Environmental and Managerial Determinants of Intramammary Infection with *Streptococcus Agalactiae* in Ohio Dairy Herds; *American Journal of Veterinary Research*, 1992, 53:1715-1721.

◆Paper received the Veterinary Medicine Data Program Epidemiological Award for 1992.

28. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E., Anderson, C.R.; Environmental and Managerial Determinants of Intramammary Infection with Coagulase-negative Staphylococci in Ohio Dairy Herds; *Preventive Veterinary Medicine*, 1992, 14:129-142.
29. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Environmental and Managerial Determinants of Somatic Cell Counts and Clinical Mastitis Incidence in Ohio Dairy Herds; *Preventive Veterinary Medicine*, 1992, 14:195-207.
30. Miller, G.Y., McSweeney, W.T.; The Impact of Veterinary Services and Medicine on Dairy Farm Productivity and Profitability; *Journal of the American Veterinary Medical Association*, 1993, 202; 220-226.
31. Queen, W.G., Miller, G.Y., Masterson, M.A.; Effects of Oral Administration of a Calcium-Containing Gel on Serum Calcium Concentration in Post Parturient Dairy Cows; *Journal of the American Veterinary Medical Association*, 1993, 202:607-609.
32. Sischo, W.M., Heider, L.E., Miller, G.Y., Moore, D.A.; Prevalence of Contagious Pathogens of Bovine Mastitis and Use of Mastitis Control Practices; *Journal of the American Veterinary Medical Association*, 1993, 202:595-600.
33. Miller, G.Y., Bartlett, P.C., Lance, S.E., Anderson, J., Heider, L.E.; Costs of Clinical Mastitis and Mastitis Prevention in Ohio Dairy Herds; *Journal of the American Veterinary Medical Association*, 1993, 202:1230-1236.
34. Bartlett, P.C., Miller, G.Y.; Mastitis Microbiology: What is Considered Normal? *Agri-Practice*, 1993, 14:12-14.
35. Bartlett, P.C., Miller, G.Y.; Managerial Risk Factors for Intramammary Infection with Coagulase-positive Staphylococci in Ohio Dairy Herds; *Preventive Veterinary Medicine*, 1993, 3, 17:33-40.
36. Miller, G.Y., Forster, D.L., Tsai, J., Bech-Nielsen, S.; Predicting the Number of Herds Infected with Pseudorabies Virus in the U.S.; *American Journal of Veterinary Research*, 1994, 55:628-635.
37. Miller, G.Y., Forster, D.L., Tsai, J., Bowman, G.; Productivity and Profitability Differences Between Pseudorabies Infected and Non-infected Farrow-to-finish Swine Herds; *Journal of the American Veterinary Medical Association*, 1995, 206:446-451.
38. Miller, G.Y., Bartlett, P.B., Erskine, R. Smith, K.L.; Factors Affecting Serum Selenium and Vitamin E Concentrations in Dairy Cows. *Journal of the American Veterinary Medical Association*, 1995, 206:1369-1373.
39. Bech-Nielsen, S., Bowman, G.L., Miller, G.Y., Orloski-Snyder, K.A., Burkholder, R.H., Dodaro, S.J.; Pseudorabies (Aujeszky's disease) Eradication Progress and Program Costs in Ohio, USA; *Preventive Veterinary Medicine*, 1995, 22:41-54.
40. Bech-Nielsen, S., Miller, G.Y., Bowman, G.L., Burkholder, R.H., Dodaro, S.J., Palte, W.J.; Risk Factors Identified as Source of New Infections (area spread) with Pseudorabies

- Virus (Aujeszky's disease) in 50 Swine Herds in a Contiguous Geographical Area of Ohio; *Preventive Veterinary Medicine*, 1995, 23:41-52.
41. Miller, G.Y., Tsai, J., Forster, D.L.; A Benefit-Cost Analysis of the National Pseudorabies Virus Eradication Program in the United States. *Journal of the American Veterinary Medical Association*, 1996, 208:208-213.
 42. Miller, G.Y.; Earnings, Feminization and the Consequences for the Future of the Veterinary Profession, *Journal of the American Veterinary Medical Association*, 1998, 213:340-344.
 43. Unnevehr, L.J., Miller, G.Y., Gómez, M.I.; Ensuring Food Safety and Quality in Farm Level Production: Emerging Lessons from the Pork Industry. *American Journal of Agricultural Economics*, 1999, 81:1096-1101.
 44. Eurell, J.A.C., Lichtensteiger, C.A., Kingston, S.K., Diamond, N.A., Miller, G.Y.; Clinical Cases as a Teaching Tool in Veterinary Histology; *Journal of Veterinary Medical Education*, 1999, 26(1):1-6.
 45. Regula, G., Lichtensteiger, C.A., Mateus-Pinilla, N.E., Scherba, G., Miller, G.Y., Weigel, R. M.; Serological Testing Versus Slaughter Evaluation to Assess the Effect of Subclinical Infection on Growth in Pigs; *Journal of the American Veterinary Medical Association*, 2000, 217:888-895.
 46. Miller, G.Y., Song, Y., Bahnson, P.B.; An Economic Model for Estimating Batch Finishing System Profitability with an Application in Estimating the Impact of Preventive Measures for Porcine Respiratory Disease Complex; *Journal of Swine Health and Production*, 2001, 9(4):169-177.
 47. Miller, G.Y., Unnevehr, L.J.; Characteristics of Consumers Demanding and Their Willingness to Pay for Certified Safer Pork; *Journal of Agribusiness*, 2001, 19(2):101-119.
 48. Bahnson, P.B., Michalak, M.M., Miller, G.Y.; Pork Producers' Attitude, Knowledge and Production Practices that Relate to On-Farm Food Safety HACCP; *Journal of Food Protection*, 2001, 64(12):1967-1972.
 49. Michalak, M.M., Bahnson, P.B., Miller, G.Y.; On-Farm Pork Food Safety: Attitudes and Beliefs of Swine Veterinarians; *Journal of Swine Health and Production*, 2001, 9(6):275-279.
 50. Song, Y., Miller, G.Y.; Effects of Marketing Strategies on Net Present Value of Pork Production for Independent and Allied Swine Producers; *Review of Agricultural Economics*, 2002, 24(1):181-195.
 51. Regula, G., Scherba, G., Mateus-Pinilla, M.E., Lichtensteiger, C.A., Miller, G.Y., Weigel, R.M.; The Impact of Endemic Porcine Reproductive and Respiratory Syndrome Virus and Other Pathogens on Reproductive Performance in Swine; *Journal of Swine Health and Production*, 2002, 11(1):13-18.

52. Barber, D., Bahnson, P.B., Miller, G.Y., Michalak, M; Ideas and Practices Related to Pre-harvest Food Safety for Large Illinois Swine Producers; *Journal of Dairy, Food, and Environmental Sanitation*, 2002, 22(12):970-975.
53. McNamara, P.E., Miller, G.Y.; Pigs, People, and Pathogens: A Social Welfare Framework for the Analysis of Animal Antibiotic Use Policy; *American Journal of Agricultural Economics*, 2002, 84:1293-1300.
54. Barber, D.A., Miller, G.Y., McNamara, P.E.; Modeling Food Safety and Food-Associated Antimicrobial Resistance Risk to Humans; *Journal of Food Protection*, 2003, 66(4):700-709.
55. Miller, G.Y., Algozin, K., McNamara, P., Bush, E.J.; Productivity and Economic Impacts of Feed-grade Antibiotic Use in U.S. Pork Production; *Journal of Agricultural and Applied Economics*, December 2003, 35(3):469-482.
56. Song, Y., Miller, G.Y., Hyun, Y., Ellis, M.; A System Dynamics Approach to Evaluate Nutritional Strategies to Decrease Nutrient Excretion from Batch Swine Production Facilities, *Korean Journal of Agricultural Economics*, 2003, 44(3):31-62.
57. 2003 Swine Veterinary Educator Team (author list suppressed, G.Y. Miller, Co-author); Educating the Next Generation of Swine Veterinarians: Needs and Strategies. *Journal of the American Veterinary Medical Association*, 2004, 224:1422-1425.
- ◆ 58. Moreau, I.A., Miller, G.Y., Bahnson, P.B.; Effects of *Mycoplasma Pneumoniae* Vaccine on Pigs Naturally Infected with *Mycoplasma Pneumoniae* and Porcine Reproductive and Respiratory Syndrome Virus. *Vaccine*, 2004, 22:2328-2333.
59. Miller, G.Y., Maghirang, R.G., Riskowski, G.L., Heber, A.J., Muyot, M., Robert, M.J., Cadwallader, K.R.; Influences on Air Quality and Odor from Mechanically Ventilated Swine Finishing Buildings in Illinois; *Journal of Food, Agriculture, and the Environment*, 2004, 2(2):353-360.
60. Huang, H., Miller, G.Y., Ellis, M., Funk, T., Hollis, G., Zhang, Y., and Heber, A.J.; Odor Management in Swine Finishing Operations: Cost Effectiveness. *Journal of Food, Agriculture, and the Environment*, 2004, 2(3&4):130-135.
61. Miller, G.Y., Liu, X., McNamara, P.E., Bush, E.H.; Farm-level Impacts of Banning Growth-promoting Antibiotics Use in U.S. Pig Grower/Finishing Operations. *Journal of Agribusiness*, 2005, 23(2):147-162.
62. Liu, X., Miller, G.Y., McNamara, P.E.; Do Antibiotics Reduce Production Risk for U.S. Pork Producers? *Journal of Agricultural and Applied Economics*, 2005, 37(3):565-575.

◆ Paper received Phi Zeta Honor Society Mu Chapter Literary Award.

63. Bahnson, P.B., Kim, J.Y., Weigel, R.M., Miller, G.Y., Troutt, H.F.; Associations between On-Farm and Slaughter Plant Detection of *Salmonella* in Market Weight Hogs. *Journal of Food Protection*, 2005, 68(2):246-250.
64. Miller, G.Y., Liu, X., McNamara, P.E., Barber, D.A.; The Influence of *Salmonella* In Pigs Pre-Harvest and During Pork Processing on *Salmonella* Human Health Costs and Risks from Pork. *Journal of Food Protection*, 2005. 68(9):1788-1798.
65. Rich, K.M., Miller, G.Y., Winter-Nelson, A.; Review of Economic Tools for the Assessment of Animal Disease Outbreaks. *Rev. Sci. Tech. Off. Int. Epiz.*, 2005, 24(3):833-845.
66. Rich, K.M., Winter-Nelson, A., Miller, G.Y.; Enhancing Economic Models for the Analysis of Animal Disease. *Rev. Sci. Tech. Off. Int. Epiz.*, 2005, 24(3):847-856.
67. Huang, H., Miller, G.Y., Sherrick, B., Gomez, M.; Factors Influencing Illinois Farmland Values. *American Journal of Agricultural Economics*, 2006, 88(2):458-470.
68. Miller, G.Y., McNamara, P.E. Singer, R.S.; The Importance of Antibiotic Use Information from the Economist Stakeholder Perspective. *Journal of Preventive Veterinary Medicine*, 2006, 73:163-168.
69. Huang, H., Miller, G.Y.; Citizen Complaints, Regulatory Violations, and their Implications for Swine Operations in Illinois. *Review of Agricultural Economics*, 2006, 28(1):89-110.
70. P.B. Bahnson, Damman, D.J., Isaacson, R.E., Weigel, R.M., Miller, G.Y., Troutt, H.F.; Prevalence and serovars of *Salmonella enterica* isolated from ileocolic lymph nodes of market pigs reared in selected Midwest U.S. swine herds. *Journal of Swine Health and Production*, 2006, 14(4):182-188.
71. Miller, G.Y., Prasse, K.; Consortia and Centers of Excellence: Issues and Answers. *Journal of Veterinary Medical Education*, 2006, 33(4):543-548.
72. Singer, R.S., Cox, L.A., Dickson, J.S., Hurd, H.S., Phillips, I., Miller, G.Y.; Modeling the Relationship between Food Animal Health and Human Foodborne Illness. *Preventive Veterinary Medicine*, 2007, 79:186-203.
73. McNamara, P.E., Miller, G.Y. Liu, X., Barber, D.A.; A Farm-To-Fork Stochastic Simulation Model of Pork-Borne Salmonellosis in Humans: Lessons for Risk Ranking. *Journal of Agribusiness*, 2007, 23(2):157-172.
74. Umber, J.K., Miller, G.Y., Hueston, W.D. Indemnity payments in foreign animal disease eradication campaigns in the United States. *Journal of the American Veterinary Medical Association*, 2010, 236(7):742-750.
75. Parent, K.B., Miller, G.Y., Hullinger, P. Triggers for foot and mouth disease vaccination in the United States. *Rev. Sci. Tech. Off. Int. Epiz.*, 2011, 30(30):789-796.

76. Miller, G.Y., Ming, J., Williams, I., Gorvett, R. Probability of Foot and Mouth Disease from Live Animal Importation into the United States. *Rev. Sci. Tech. Off. Int. Epiz.*, 2012, 31(3):777-787.
77. Miller, G.Y., Parent, K.B. The Economic Impact of High Consequence Zoonotic Pathogens: Why Preparing for these is a Wicked Problem. *Journal of Reviews on Global Economics* 2012, 1:47-61.
78. Gale, S.B., Miller, G.Y., Eshelman, C.E., Wells, S.J. Epidemic Simulation of a Foot-and-Mouth Disease Outbreak in Minnesota; *Rev. Sci. Tech. Off. Int. Epiz.*, 2015, 34 (3), 895-905.
79. Miller, G.Y., Gale, S.B., Eshelman, C.E., Well, S.J. Emergency Vaccination Use in a Modelled Foot-and-Mouth Disease Outbreak in Minnesota; *Rev. Sci. Tech. Off. Int. Epiz.*, 2015, 34 (3), 729–740.
80. Sander, W. Miller, G.Y. Public Practice Opportunities for Veterinary Students to Enhance Veterinary Public Health Education; *Journal of Veterinary Medical Education*, July 2020; <https://doi.org/10.3138/jvme.2019-0076>.

G. Creative Works (Exhibitions, Commissions, Competitions, Performances, Art of Architecture Executed)

H. Bulletins, Reports, or Conference Proceedings (in print or accepted)

International/National Proceedings:

1. Miller, G.Y., Kliebenstein, J., Kirtley, C.; Some Micro and Macroeconomic Impacts of Swine Disease – The Case of TGE; Proceedings III International Symposium on Veterinary Epidemiology and Economics, Arlington, Virginia, USA, September 6-10, 1982 (p.527-534).
2. Miller, G.Y.; Demographics and Predictions for Large Animal and Public Practice; *Veterinary Economics*, July 15, 1985 (pp.14-15) published from the First International Symposium on the Future of the Veterinarian.
3. Miller, G.Y., Dorn, C.R.; Evaluating Economic and Epidemiologic Data From Farms Involved in Disease Surveillance in the U.S.; Proceedings, 4th International Symposium on Veterinary Epidemiology and Economics, Singapore, November 18-22, 1985 (pp.306-308).
4. Miller, G.Y., Dorn, C.R.; An Economic Summary of the National Animal Health Monitoring System Data in Ohio, 1986-87. Proceedings of the 91st Annual Meeting of the U.S.A.H.A., October 26-30, 1987, Salt Lake City, Utah, pp.154-172.
5. Miller, G.Y.; The Use of Partial Budgeting and Information Gathering to Estimate the Economic Impacts of Swine Diseases; Proceedings of the American Association of Swine Practitioners, St. Louis, MO, March 6-8, 1988, pp.243-248.

6. Miller, G.Y.; Evaluating the National Impact of Food Animal Diseases; Proceedings for the 5th International Symposium on Veterinary Epidemiology and Economics, Copenhagen, Denmark; Acta Veterinaria Scandinavica, 1988, Supplementum 84, pp.360-362.
7. Sischo, W., Miller, G.Y., Moore, D.A., Heider, L.E.; Use of Dry Period Intramammary Antibiotic Therapy and Other Forms of Mastitis Control in Dairy Cows: Survey Results; Proceedings of the American Association of Bovine Practitioners/National Mastitis Council International Symposium on Bovine Mastitis, Indianapolis, Indiana, Sept. 13-16, 1990, pp.144-148.
8. Hoblet, K.H., Miller, G.Y., Economic Evaluation of Staphylococcus Aureus Reduction Strategies in 3 Herds; Proceedings of the American Association of Bovine Practitioners/National Mastitis Council International Symposium on Bovine Mastitis, Indianapolis, Indiana, Sept. 13-16, 1990, pp. 358-362.
9. Bartlett, P.C., Miller, G.Y., Heider, L.E.; Environmental and Managerial Determinants of Clinical Mastitis and Mammary Infection in Ohio Dairy Herds; Proceedings of the American Association of Bovine Practitioners/National Mastitis Council International Symposium on Bovine Mastitis, Indianapolis, Indiana, Sept. 13-16, 1990, pp. 347-352.
10. Miller, G.Y., Bartlett, P.C., Stoltz, J., Moeschberger, M.L., Heider, L.E.; Economic Impact of Mastitis in Ohio Dairy Herds; Proceedings of the American Association of Bovine Practitioners/National Mastitis Council International Symposium on Bovine Mastitis, Indianapolis, Indiana, Sept. 13-16, 1990, pp. 377-381.
11. Miller, G.Y., Moeschberger, M.L., Bartlett, P.C., Lance, S.E., Heider, L.E.; Cluster Sampling for Estimating the Costs of Clinical Mastitis in Dairy Cows by Type of Organism; Proceedings of the VI International Symposium of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991, pp. 108-110.
12. Bartlett, P.C., Miller, G.Y., Heider, L.E.; Controlling Bias in Estimation of Lost Milk Production Following Clinical Mastitis in Dairy Cattle; Proceedings of the VI International Symposium, of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991, pp. 111-113.
13. Sischo. W.M., Miller, G.Y., Heider, L.E.; An Approach to Evaluate the Effectiveness of Mastitis Control; Proceedings of the VI International Symposium of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991, pp. 255-257.
14. Lance, S.E., Miller, G.Y., Hancock, D.D., Bartlett, P.C., Heider, L.E.; Effects of Management and Environmental Factors on Mortality Rates in Pre-weaned Dairy Calves; Proceedings of the VI International Symposium of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991, pp.289-291.
15. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; Management and Sanitation as Risk Factors for Intramammary Infection and Clinical Mastitis on Ohio Dairy Farms;

- Proceedings of the VI International Symposium of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991, p. 610.
16. Sischo, W., Miller, G.Y., Heider, L.E.; Dry Cow Therapy and Mastitis Control, an Observational Study; Proceedings of the American Association of Bovine Practitioners, September 18-21, 1991, pp. 179-186.
 17. Miller, G.Y., Forster, D.L., Tsai, J., Schnitkey, G., Bech-Nielsen, S., Bowman, G. A Benefit-Cost Analysis of the National Pseudorabies Eradication Program; Proceedings of the Livestock Conservation Institute, 1993, p.136.
 18. Miller, G.Y., Forster, D.L., Tsai, J., Bech-Nielsen, S. Assessing the Potential of the Pseudorabies Eradication Program: Considerations for Predicting PRV Prevalence; Proceedings of the 97th Annual Meeting of the U.S.A.H.A., Las Vegas, Nevada, October 25-29, 1993, pp.374-379.
 19. Miller, G.Y., Bartlett, P.C., Erskine, R., Smith, K.L.; Serum Selenium and Vitamin E Concentrations and the Relationship to Mastitis in Dairy Cows; Proceedings of the National Mastitis Council, Orlando, FL, Jan. 31-Feb. 2, 1994, pp.66-68.
 20. Miller, G.Y., Forster, D.L., Tsai, J.; Pseudorabies Benefit-Cost Study Report; Proceedings of the Annual Meeting of the Livestock Conservation Institute, 1994, Lansing, MI, pp. 63-64.
 21. Miller, G.Y., Forster, D.L., Tsai, J.; Benefit-Cost Analysis of the Pseudorabies Eradication Program in the United States; Proceedings of the VII International Symposium of Veterinary Epidemiology and Economics, Nairobi, Kenya, August 15-16, 1994, pp. 207-209.
 22. Regula, G., Mateus-Pinilla, N.E., Lichtensteiger, C.A., Scherba, G., Miller, G.Y., Weigel, R.M.; Development and Evaluation of a Swine Herd Health Monitoring System. Proceedings of the VIII International Symposium of Veterinary Epidemiology and Economics, Paris, France, July 8-11, 1997, p.07.B34.
 23. Regula, G., Mateus-Pinilla, N.E., Lichtensteiger, C.A., Scherba, G., Miller, G.Y., Weigel, R.M.; Monitoring Swine Herd Health by Serological Testing. Proceedings of the American Association of Swine Practitioners, Des Moines, IA, March 7-10, 1998, pp. 387-392.
 24. Miller, G.Y., Unnevehr, L.J.; Is There Consumer Demand for Certified Safer Pork? Proceedings on the 3rd International Symposium on the Epidemiology and Control of Salmonella in Pork, Washington, D.C., August 4-7, 1999, pp. 226-228.
 25. Michalak, M., Bahnson, P.B., Miller, G.Y.; Pork Producers Attitudes, Knowledge and Production Practices that Relate to On-Farm HACCP Development. Proceedings on the 3rd International Symposium on the Epidemiology and Control of Salmonella in Pork, Washington, D.C., August 4-7, 1999, pp. 365-366.

26. Kim, J.Y., Bahnson, P.B., Troutt, H.F., Isaacson, R.E., Weigel, R.M., Miller, G.Y.; *Salmonella* Prevalence in Market Weight Pigs Before and After Shipment to Slaughter. Proceedings on the 3rd International Symposium on the Epidemiology and Control of Salmonella in Pork, Washington, D.C., August 4-7, 1999, pp. 137-139.
27. Miller, G.Y., Song, Y., Bahnson, P.G.; Economic Impact of Control/Prevention of Porcine Respiratory Disease in Batch Finishing Operations; Proceedings of the IX International Symposium of Veterinary Epidemiology and Economics, Breckenridge, Colorado, August 7-11, 2000, paper #117.
28. Kim, J.Y., Bahnson, P.B., Weigel, R.M., Miller, G.Y., Isaacson, R.E., Barber, D.A., Omran, L.; Clustering of Pigs Based on the Antibody Responses to *Salmonella* spp. Proceedings of the IX International Symposium of Veterinary Epidemiology and Economics, Breckenridge, Colorado, August 7-11, 2000, paper # 539.
29. Moreau, I.A., Bahnson, P.B., Miller, G.Y., Lichtensteiger, C., Sexten, J.; The Interaction of *M. hyopenumoniae* Vaccine and Mixed Infections with *M. hyopenumoniae* and PRRS in Commercial Batch Swine Productions. Proceedings of the IX International Symposium of Veterinary Epidemiology and Economics, Breckenridge, Colorado, August 7-11, 2000, paper # 497.
30. Song, Y.H., Hyun, Y., Ellis, M., Jensen, K., Miller, G.Y., Nutritional Management to Lower Nutrient Excretion from Swine Herds Using Dynamic Modeling. Proceedings of the 8th International Symposium on Animal, Agricultural and Food Processing Waste, October 9-11, 2000, pp. 111-117.
31. Miller, G.Y., Robert, M., Maghirang, R., Riskowski, G., Heber, A., Cadwallader, K.; Characterization of Odor and Gas Emitting Potential from Mechanically Ventilated Deep and Shallow Pit Swine Finishing Buildings in Illinois. Sixth International Livestock Environment Symposium, Louisville, KY., May 21-23, 2001, pp. 664-670.
32. Algozin, K.A., Miller, G.Y., McNamara, P.E. Productivity and Economic Impacts of Feedgrade Antimicrobial Use in Pork Production. Proceedings of the 4th International Symposium on Epidemiology and Control of Salmonella and other Foodborne Pathogens in Pork, Leipzig, Germany, September 2-5, 2001, pp. 399-402.
33. Miller, G.Y., McNamara, P., Liu, X. Preharvest Influence on Salmonellae Human Health Costs and Risk from Pork. Proceedings of the 5th International Symposium on the Epidemiology and Control of Foodborne Pathogens in Pork. Crete, Greece, October 1-4, 2003, pp. 120-124.
34. Huang, H., Miller, G.Y., Ellis, M., Funk, T., Hollis, G., Zhang, Y., and Heber, A.J. (2003) Odor Management in Swine Finishing Building Characteristics: Costs and Effectiveness. Third International Conference on Air Pollution from Agricultural Operations, Raleigh, NC, October 11-14, 2003, pp. 323-329.
35. Liu, X., Miller, G.Y., McNamara, P., Bush, E.; The influence of growth promoting antibiotics on variability of productivity and economics in U.S. swine finishing.

- Proceedings of the International Symposium of Veterinary Epidemiology and Economics, Vina del Mar, Chile, Nov. 17-21, 2003, paper #268.
36. Huang, H., Miller, G.Y. "Manure value pricing systems, and pig production decisions." Selected paper for AAEA summer meetings, Montreal, July 26-30, 2003. Available at: http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=9058&ftype=.pdf.
 37. Huang, H., Miller, G.Y. "Evaluation of swine odor management strategies in a fuzzy multi-criteria decision environment." Selected paper of AAEA summer meetings, Montreal, July 26-30, 2003. Available at: http://agecon.lib.umn.edu/cgi-bin/pdf_view.pl?paperid=9064&ftype=.pdf.
 38. Huang, H. and Miller, G.Y. (2004) "Variability in growth, pig weights, and hog marketing decisions," Selected Paper prepared for presentation at the American Agricultural Economics Association Annual Meeting, Denver, CO, August 1-4, 2004. http://agecon.lib.umn.edu/cgi-bin/pdf_viewpl?paperid=14255&ftype=.pdf.
 39. Miller, G.Y., Huang, H., Maghirang, R., Funk, T., Robert, M., Heber, A. and Zhang, Y. (2005) "System influences on ammonia and hydrogen sulfide emitted from mechanically ventilated swine finishing buildings in Illinois", *Proceedings of the Seventh International Livestock Environment Symposium*, Beijing, China, May 18-20, 2005, pp: 429-435.
 40. Huang, H. and Miller, G.Y. (2005) "Stocking density, pig welfare, and production profitability", *Proceedings of the Seventh International Livestock Environment Symposium*, Beijing, China, May 18-20, 2005, pp: 651-658.
 41. Miller, G.Y. The U.S. Poultry Industry Structure and Biosecurity Practices: Attitudes About and Implications of HPAI Vaccination. International Symposium on Strategies for Avian Influenza Prevention, Taipei, Taiwan, October 4-5, 2007. Sponsored by the Bureau of Plant Health Inspection and Quarantine. pp 44-52.
 42. Liang, L., Fabiosa, JF, Jensen, HH, Miller, GY. Potential HPAI Shocks and Welfare Implications of Market Power in the U.S. Broiler Industry. Selected paper for presentation at the Agricultural and Applied Economics Association Annual Meeting, Denver, CO, July 25-27, 2010. <http://ageconsearch.umn.edu/bitstream/61496/2/AAEA-2010.pdf>
 43. Parent, K.B., Miller, G.Y., Hullinger, P. Triggers for vaccination as a response strategy during a Foot and Mouth Disease outbreak. Proceedings of the 114th Annual Meeting of the U.S.A.H.A., Minneapolis, MN, November 11-17, 2010, pp. 118-130.
 44. Miller, G.Y. FMD Vaccination Lessons in South America. Proceedings of the 114th Annual Meeting of the U.S.A.H.A., Minneapolis, MN, November 11-17, 2010, pp. 541-542.
 45. Miller, G.Y. Will a Comprehensive Global Source Attribution System Provide for Cost-Effective Food Safety? Emerging and Persistent Infectious Diseases (EPID): Focus on Societal and Economic Contexts, Fairfax, VA, July 8-11, 2012 (see <http://www.scienceforglobalpolicy.org/Conferences/EPIDSocietalandEconomicContext/tabid/155/Default.aspx> .

46. Buntain, B.J., Miller, G.Y. Recommendations by the National Academy of Sciences Committee Report: Workforce Needs in Veterinary Medicine Public Practice. Proceedings of the 116th Annual meeting of the U.S.A.H.A., Greensboro, NC, October 18-24, 2012, pp 226-231.
47. Miller, G.Y. Current Vaccinology Considerations in North American Foreign Animal Disease Events – Implications for Foot-And-Mouth Disease (FMD) Preparedness and Response. Proceedings of the 117th Annual meeting of the USAHA, San Diego, CA, October 17-23, 2013 pp 105-108.

I. Abstracts (in print or accepted)

1. Miller, G.Y., Kliebenstein, J.; Economic Effects of Transmissible Gastroenteritis in Swine Production; selected papers of the AAEA, American Journal of Agricultural Economics, Volume 65 (1983): 1191.
2. Miller, G.Y., Dorn, C.R.; The Economics of Food Animal Diseases: Data from the National Animal Health Monitoring System; The XXIII World Veterinary Congress, Montreal, Canada, August 16-21, 1987. pp.363.
3. Dorn, C.R., Miller, G.Y.; Use of Animal Populations in Evaluating Human Health Risks; The XXIII World Veterinary Congress, Montreal, Canada, August 16-21, 1987, pp.179.
4. Miller, G.Y., Rosenblatt, J., Hushak, L.; The Effects of Supply Shifts on Producers Surplus; selected papers of the AAEA, American Journal of Agricultural Economics, 1987, 69:1088.
5. Bartlett, P.C., Miller, G.Y., Anderson, C., Kirk, J., Environmental and Managerial Effects on Lost Production Due to Mastitis in Michigan Dairy Cows; Journal of the American Veterinary Medical Association, 1988, 192:1760.
6. Miller, G.Y., Evaluating the National Impact of Food Animal Diseases; 5th ISVEE Symposium Abstracts, 1988, Copenhagen, Denmark, pp.133.
7. Luchelli, A., Lance, S.E., Bartlett, P.B., Saif, L.J., Miller, G.Y.; A Point Prevalence Survey of Group A Bovine Rotavirus Shedding Among Dairy Calves; Conference of Research Workers in Animal Disease, Abstract #115, Nov. 6-7, 1989, Chicago, Illinois.
8. Lance, S.E., Miller, G.Y., Hancock, D.D., Bartlett, P.C., Heider, L.E.; Herd Prevalence of Salmonella Shedding by Neonatal Dairy Calves in Ohio; 71st Conference of Research Workers in Animal Disease, Nov. 5-6, 1990, Chicago, IL.
9. Miller, G.Y., Bartlett, P.C., Lance, S.E., Moeschberger, M.L., Heider, L.E.; The Cost of Clinical Mastitis in Ohio Dairy Herds; 71st Conference of Research Workers in Animal Disease, Nov. 5-6, 1990, Chicago, IL.
10. Bech-Nielsen, S., Miller, G.Y., Bowman, G., Dodaro, S.T., Pseudorabies Eradication in a Commercial Swine Herd: Economic Impacts; 72nd Conference of Research Workers in Animal Disease, November 11-12, 1991, Chicago, Illinois.

11. Miller, G.Y., Rosenblatt, J.M., Batte, M.V.; A General Stochastic Dominance Method for Evaluating Management Strategies, with an Application to Mastitis Control in Dairy Cows; Selected Papers for AAEP, AJAE 73(1991):1545.
12. Miller, G.Y., McSweeney, W.T., The Impact of Veterinary Services and Medicine on Dairy Farm Productivity and Profitability; 73rd Conference of Research Workers in Animal Diseases, Abstract #239, Nov. 8-10, 1992, Chicago, Illinois.
13. Miller, G.Y., Forster, D.L., Tsai, J., Bech-Nielsen, S.; Pseudorabies Virus: Predicting Infected Herd Numbers; 74th Conference of Research Workers in Animal Diseases, Abstract #263, p.51, Nov. 7-9, 1993, Chicago, Illinois.
14. Sisco, W.M., Miller, G.Y., Westerman, L.I.; Mastitis Prevention Practices and the Herd Prevalence of Bovine Mastitis; 74th Conference of Research Workers in Animal Diseases, Abstract #267, p. 52, Nov. 7-9, 1993, Chicago, Illinois.
15. Bech-Nielsen, S., Miller, G.Y., Bowman, G.L., Orloski-Snyder, K.A.; Risk factors identified as source of area spread with pseudorabies virus in 50 swine herds in a contiguous geographical area; 74th Conference of Research Workers in Animal Diseases, Abstract #264, p.51, Nov.7-9, 1993, Chicago, Illinois.
16. Bech-Nielsen, S., Bowman, G.L., Miller, G.Y., Orloski-Snyder, K.A.; Epidemiological Investigation of an attempt to project eradication of pseudorabies from the state of Ohio; 74th Conference of Research Workers in Animal Diseases, Abstract #297, p.57, Nov. 7-9, 1993, Chicago, Illinois.
17. Regula, G., Mateus-Pinilla, N.E., Lichtensteiger, C.A., Scherba, G., Miller, G.Y., Weigel, R.M. A herd health monitoring system for swine operations. 78th Conference of Research Workers in Animal Diseases, Abstract #64, Nov. 10-11, 1997, Chicago, Illinois.
18. Miller, G.Y., Bahnson, P.B., Firkins, L.D., Isaacson, R.E., Reisner, A.E., Unnevehr, L.J., Pork Technology and Education—Alliances to Move the Industry to World Class Production. Proceedings of the 15th Symposium on Veterinary Medical Educations, June 6-8, 1998, p.30.
19. Regula, G., Mateus-Pinilla, N.E., Lichtensteiger, C.A., Scherba, G., Miller, G.Y., Weigel, R.M. Monitoring herd health in swine operations: The effect of subclinical infections on production parameters. 79th Conference of Research Workers in Animal Diseases, Abstract #43, Nov. 8-10, 1998, Chicago, Illinois.
20. Algozin, K.A., Miller, G.Y., McNamara, P.E. Productivity and economic impacts of feedgrade antimicrobial use in pork production. Selected papers for 2001 AAEP Annual Meeting, August 5-8, 2001. Chicago, Illinois.
21. Algozin, K.A., Miller, G.Y., McNamara, P.E., Bush, E.J. The economic impact for producers and consumers arising from feedgrade antibiotic use in pork production. 82nd Conference of Research Workers in Animal Diseases. Abstract #63. November 11-13, 2001, St. Louis, MO.

22. Barber, D, Miller, G.Y., McNamara, P. Correspondence on Resistant Bacteria in Retail Meats and Antimicrobial Use in Animals. *New England Journal of Medicine*, 346 (10): 777. March 7, 2002.
23. Liu, X., Miller, G.Y., McNamara, P. Validation and modeling the economic impacts from antibiotics used in pork production. 83rd Conference of Research Workers in Animal Diseases. Abstract #96. November 10-12, 2002.
24. McNamara, P., Miller, G.Y., Liu, X. The Cost of Salmonellosis Attributable to Pork: A Stochastic Farm-to-Fork Analysis. 83rd Conference of Research Workers in Animal Diseases. Abstract #97. November 10-12, 2002.
25. Weng, H-Y., Miller, G.Y. Animal Welfare in planning foreign animal disease outbreak management: What can epidemiology contribute? First North American Conference on Animal Welfare and Epidemiology, July 14-16, 2008.
26. Weng, H-Y., Miller, G.Y. Animal Welfare in planning foreign animal disease outbreak management: What can epidemiology contribute? *Journal of Applied Animal Welfare Science*, 12 (2): 162-163, April, 2009.
27. Liang, J., Jensen, H.H., Miller, G.Y. Potential HPAI Shocks and the Role of Market Power on the U.S. Broiler Industry. Selected papers for 2010 AAEP Annual Meeting, July 25-27, 2010. Denver, CO.
28. Miller, G.Y. Gale, S.B. Wells, S.J., Eshelman, C.E.; Impact of Emergency Vaccination in a Foot-and-Mouth Disease outbreak in Minnesota, USA; Abstract 08:17, pg 377, XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
29. Gale, S.B., Miller, G.Y., Wells, S.J.; Estimated Resource Needs for an FMD Outbreak in Minnesota, USA; Abstract 06:6, pg 293, XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
30. Gale, S.B., Eshelman, C.E., Miller, G.Y., Wells, S.J.; Simulation of FMD Outbreaks in Minnesota, USA; Abstract 08:16, pg 376, XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
31. Chung, J., Umber, J.K., Miller, G.Y., Hueston W.D.; Alternative Risk Management Strategies for High Consequence Animal Disease Outbreaks In the United States, Abstract 06:29, pg 304, XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
32. Miller, G.Y., Buntaine, B.; Workforce Issues: Comment on Executive summary of the 2013 US Veterinary Workforce Study; *JAVMA* 2013, 243(2):190-1.
33. Johnson, Y.J., Nadler, Y., Myint, M.S., Herrmann, J.A., Field, E., Miller, G.Y., Ruiz, M., Ernst, M., Briscoe, J., Olson, S. Development and implementation of an internet-based

avian influenza response exercise for zoological personnel. 94th Conference of Research Workers in Animal Diseases. Abstract 021, December 8-10, 2013.

34. Nadler, Y., Johnson, Y.J., Myint, M.S., Herrmann, J.A., Field, E., Miller, G.Y., Ruiz, M., Ernst, M., Briscoe, J., Olson, S. Flu at the Zoo II: ICS Training for AZA professionals. National Association of Zoos and Aquariums meeting, Kansas City, MO. Sept. 2013.
35. Nadler, Y., Johnson, Y.J., Myint, M.S., Herrmann, J.A., Field, E., Miller, G.Y., Ruiz, M., Ernst, M., Briscoe, J., Olson, S. USDA Contingency Planning and Training through Partnerships. United States Animal Health Association Meeting, San Diego, CA. Oct. 2013.
36. Amos, J., Long, K., Miller, G.Y., Johnson-Walker, Y. Building a Community of Global Health Scholars. Illinois Learning Sciences Design Laboratory – A Lightning Symposium. Abstract 2.21, February 27, 2015.
37. Johnson-Walker, Y.J., Nadler, Y., Miller, G.Y., Olson, S., Briscoe, J. Emergency Management Training for United States Zoos and Aquariums. International Society for Veterinary Epidemiology and Economics 14. November 3-7, 2015 Merida, Yucatan, Mexico. Published only at:
<http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=909940c4-51e0-45b7-9577-46c7f25b2d9b&cKey=77a85e57-3f94-4eec-b450-e49ed959d591&mKey=%7b6753AA4B-4EFD-470C-B925-C66F22F0712C%7d>
37. Johnson, Y.J., Nadler, Y., Myint, M.S., Miller, G.Y., Herrmann, J.A., Lin, J. Five Years of Foreign Animal Disease Preparedness Training for Zoos and Aquariums: Lessons Learned and Areas for Improvement. 97th Conference of Research Workers in Animal Diseases. Abstract 021, December 4, 2016.
38. Johnson-Walker, Y.J., and Miller, G.Y. Avian Influenza Outbreak Response in US Zoos and Aquariums. 15th International Symposium of Veterinary Epidemiology and Economics held November 12-16, 2018 Chiang Mai, Thailand. Page 29.

J. Book Reviews (in print or accepted)

1. Doody's Health Sciences Book Review Journal. Vol. 3, #5. Review of Tannenbaum/Veterinary Ethics: Animal Welfare, Client Relations, Competition and Collegiality, 2nd Edition (1995).
2. INFORM. American Oil Chemists' Society, February 2007, Volume 18(2):120. Review of Mead/Food Safety Control in the Poultry Industry (2005).

K. Other (non-referred)

1. Miller, G.Y., Dorn, C.R., Spangler, E.: Usage and Perception of Veterinary Services in Ohio; Ohio Veterinary Medical Association Newsletter, Vol. 13, No. 12, 1983, pp.1,4,5.

2. Miller, G.Y., Spangler, E., Dorn, C.R.; The Usage and Perception of Veterinary Services in Ohio; Report to the Ohio Veterinary Medical Association Board of Trustees, Sept. 12, 1984, 35 pages.
3. Miller, G.Y.; The Economics of Mastitis Control; The Bovine Practitioner, November, 1986, pp.79-81.
4. Miller, G.Y.; Evaluation of Economic and Epidemiologic Data from the National Animal Disease Detection System (NADDS); final project report, RF Project 765325/718979, 184 pages, October 1987.
5. Eastridge, M.L., Miller, G.Y.; SCC Information is Worth the Cost; Hoards Dairyman, November 10, 1988, pp. 874-875.
6. Miller, G.Y., Smith, P.J., Clifford, J., Fullenkamp, S.; Summary of Round 2 – January 1986 to March 1987; USDA, APHIS, VS, National Animal Health Monitoring System, 555 S. Howes, Suite 300, Ft. Collins, Colorado 80521, June 1989. 21 pages.
7. Miller, G.Y., Lance, S.E., Bartlett, P.C., Clifford, J.; Ohio Report, Summary of Round 3, March 2988-May 1989; USDA, APHIS, VS, National Animal Health Monitoring System, 555 S. Howes, Suite 300, Ft. Collins, Colorado 80521. 1990, 20 pages.
8. Miller, G.Y.; Final Project Report – Evaluation of Economic and Epidemiologic Data from the National Animal Health Monitoring System; Identifying Bacterial Agents Associated with Bovine Mastitis and Special Studies with the NAHMS Core for Mastitis in Dairy Cattle, June, 1990, 247 pages.
9. Miller, G.Y.; Final Project Report – Evaluation of Economic and Epidemiologic Data from the National Animal Health Monitoring System; Identifying Bacterial Agents Associated with Bovine Mastitis and Special Studies with the NAHMS Core for Mastitis in Dairy Cattle, Addendum 1, August, 1990, 16 pages.
10. Miller, G.Y., Sischo, W.M. Post-Milking Teat Dip and Dry Cow Therapy Revisited. Research Highlights, Department of Dairy Science, The Ohio State University, pp. 65-68, 1991.
11. Hoblet, K.H., Miller, G.Y., Monitoring Reduction of Staphylococcus Aureus-infected Cows in 3 Ohio Herds. Research Highlights, Department of Dairy Science, The Ohio State University, pp. 59-61, 1991.
12. Miller, G.Y.; Final Project Report – Evaluation of Economic and Epidemiologic Data from the National Animal Health Monitoring System; Identifying Bacterial Agents Associated with Bovine Mastitis and Special Studies with the NAHMS Core for Mastitis in Dairy Cattle, Addendum 2, April, 1991, 71 pages.
13. Orloski-Snyder, K., Bech-Nielsen, S., Miller, G.Y., Bowman, G.L., Dodaro, S.J.; Pseudorabies Eradication Efforts in a High Density Infected Area of Mercer County, Ohio; Proceedings of Veterinary Epidemiology, Zoonoses, and Economics, 1991-1992, Fort Collins, Colorado, February 2-4, 1992.

14. Bartlett, P.C., Miller, G.Y., Mastitis Costs \$40 Per Cow. Hoards Dairyman, June 1993, p. 504.
15. Regula, G., Mateus-Pinilla, N.E., Lichtensteiger, C.A., Scherba, G., Miller, G.Y., Weigel, R.M.; Development and Evaluation of a Swine Herd Health Monitoring System. 1998 University of Illinois Swine Research Report.
16. Miller, G.Y. National Consortium for Pork Technology and Education. 1998 University of Illinois Swine Research Report.
17. Miller, G.Y., Robert, M., Maghirang, R., Riskowski, G., Herber, A., Cadwallader, K. Odors from deep and shallow pits. SOWM Newsletter, February 2001, <http://sowm.outreach.uiuc.edu>.
18. Huang, H., Miller, G.Y., Ellis, M., Funk, T., Hollis, G., Zhang, Y., and Heber, A.J. Odor Management in Swine Finishing Operations: Cost Effectiveness. Proceedings of the University of Illinois Pork Industry Conference, Champaign, Illinois, December 11-12, 2003, pages 129-130.
19. White, D.C., Miller, G.Y., Schnitkey, G.D. Land Application Considerations in Managing Swine Manure, Proceedings of the University of Illinois Pork Industry Conference, Champaign, Illinois December 11-12, 2003, pages 131-148.
20. Song, Y., Miller, G.Y., Hyun, Y., Ellis, M.; Economic Impact of Nutritional Strategies to Decrease Nutrient Excretion from Batch Swine Production Facilities: A System Dynamics Approach. Proceedings of the University of Illinois Pork Industry Conference, Champaign, Illinois, December 11-12, 2003, pages 149-177.
21. Miller, G.Y., Maghirang, R.G., Riskowski, G.L., Heber, A.J., Muyot, M., Robert, M.J., Cadwallader, K.R.; Management and Factors that Influence Air Quality and Odor. Proceedings of the University of Illinois Pork Industry Conference, Champaign, Illinois, December 11-12, 2003, pages 178-179.
22. Miller, G.Y. Integrated Report of Information Gathering Discussions with Broiler Industry Representatives. National Center for Animal Health Emergency Management. Completed June 18, 2007. 22 page report.
23. Bedford, PB, Miller, GY, Hueston WD; Is Compartmentalization a practical approach for sustaining trade in the face of a foreign animal disease outbreak? Considerations for Classical Swine Fever Preparedness and Pork Trade. January 27, 2010. 33 page report to the National Veterinary Stockpile.
24. Miller, GY. The Economic Impact of High Consequence Foreign Animal Diseases: A Review. March 10, 2010. 64 page report to the National Veterinary Stockpile.
25. Voss, S, Miller, GY, Owens, JF; National Veterinary Stockpile, 3D Contractor Training, Turkey Depopulation. August 11, 2010. 14 page report to the National Veterinary Stockpile.

26. Mehlenbacher, S, Miller, GY, Well, SJ, Koeman, J. Vaccination Campaign Logistical Recommendations for Foot and Mouth Disease in the United States. September 30, 2010. 74 page report to the National Veterinary Stockpile.
27. Burbules, N., Rutenbar, R., Campbell, R., Diehl, P., Hedrick, B., Jackson, S., Maher, W., Miller, G. Senate Task Force Report on Campus Participation in the Coursera Initiative, July 5, 2012; 12 page report.
28. Biehl, M., Borisov, N., Burbules, N., Campbell, R., Meyer, E., Miller, G., Projansky, S., Strategic Enrollment Management: The Path Forward. March 19, 2012; 8 page report.
29. Gale, SB, Eshelman, CE, Miller, GY, Easter Strayer, SL, Sanderson, M, Wells, SJ. Modeling the use of emergency vaccination in response to a Foot-and-Mouth Disease outbreak in Minnesota. February 1, 2012. 79 page report to the National Center for Animal Health Emergency Management.
30. Miller, GY. Flu at the Zoo Evaluator Report. June 18, 2012. 19 page report to be used as part of the Flu at the Zoo After Action Report.
31. Co-author of Workforce Needs in Veterinary Medicine. 2012. Available as a prepublication at: http://www.nap.edu/catalog.php?record_id=13413 . 323 page report from the Committee to Assess the Current and Future Workforce Needs in Veterinary Medicine.
32. Miller, G.Y. Foot and Mouth Disease Preparedness and Response: The Case for Vaccination as the Best Response. Book Chapter written and submitted 2011 for Securing the Food and Agriculture Sector for the 21st Century; book being edited by Professor Simon Hakim, Fox School of Business, Temple University. Book delayed publication.

Poster Sessions:

1. Bartlett, P.C., Miller, G.Y., Lance, S.E., Heider, L.E.; “Management and Sanitation as Risk Factors for Intramammary Infections and Clinical Mastitis on Ohio Dairy Farms”; VI International Symposium of Veterinary Epidemiology and Economics, Ottawa, Ontario, Canada, August 12-16, 1991.
2. Miller, G.Y.; “Costs of Disease for Dairy Cows”; Farm Science Review, London, Ohio, September 17-19, 1991.
3. Orloski-Snider, K., Bech-Nielsen, S., Dodaro, S.J., Bowman, G.L., Miller, G.Y.; “PRV Eradication Efforts in a High Density Infected Area in Ohio, A Stage III State Federal Industry Eradication Program Area.” ISCABER Research Forum, May 18.1992.
4. Orloski-Snider, K.A., Miller, G.Y., Bech-Nielsen, S.; “Epidemiologic and Economic Considerations of Pseudorabies Virus Vaccination”; Conference of Research Workers in Food Animal Diseases, Chicago, Illinois, November 9-10, 1992. Poster # 103.

5. Orloski-Snyder, K.A., Bech-Nielsen, S., Miller, G.Y.; “Evaluation of Pseudorabies Virus Vaccine Use and Quarantine Status in Western Ohio”; Conference of Research Workers in Food Animal Diseases, Chicago, Illinois, November 9-10, 1992. Poster # 104.
6. McIlroy, W., Miller, G.Y., Townsend, T.; “The Management of Captive Cervidae in Ohio”; College of Veterinary Medicine Research Day, The Ohio State University, March 2, 1994, Poster # 17.
7. Miller, G.Y., Bahnson, P.B., Firkins, L.D., Isaacson, R.E., Reisner, A.E., Unnevehr, L.J.; Pork Technology and Education—Alliances to Move the Industry to World Class Production; 15th Symposium on Veterinary Medical Education, “Strategic Alliances: Bridges to the Future”, Purdue University, June 5-8, 1998.
8. Miller, G.Y., Bahnson, P.B., Song, Y.; “Economic Impact of Control/Prevention of Enzootic Pneumonia and Other Swine Diseases in Illinois Pigs,” C-FAR Poster Session, Springfield, IL, March 3, 1999.
9. Miller, G.Y., Song, Y.; “Systems Design Management and Modeling of Swine Odor and Manure Management”, C-FAR Poster, Pork Expo, Peoria, IL, February 2-3, 2000.
10. Miller, G.Y., Bahnson, P.B., Song, Y.; “Economic Impact of Control/Prevention of Enzootic Pneumonia and Other Swine Diseases in Illinois Pigs”, C-FAR Poster Session, Springfield, IL February 16, 2000.
11. Algozin, K.A., Miller, G.Y., McNamara, P.E.; “An Econometric Analysis of the Economic Contribution of Subtherapeutic Antibiotic Use in Pork Production”, Swine Manure and Odor Management Field Day, University of Illinois, August 29, 2001.
12. Miller, G.Y., Robert, M.J., Maghirang, R.G., Riskowski, G.L., Heber, A.J., Cadwallader, K.R.; “Characterization of Odor and Gas Emitting Potential in Mechanically Ventilated Deep and Shallow Pit Swine Finishing Buildings in Illinois”, Swine Manure and Odor Management Field Day, University of Illinois, August 29, 2001.
13. Hyun, Y., Song, Y., Ellis, M., Miller, G.Y.; “Nutritional Management to Lower Nutrient Excretion Using Dynamic Computer Modeling”, Swine Manure and Odor Management Field Day, University of Illinois, August 29, 2001.
14. Algozin, K.A., Miller, G.Y., McNamara, P.E.; “An Econometric Analysis of the Economic Contribution of Subtherapeutic Antibiotic Use in Pork Production”. Salin Pork, 2001, Leipzig, Germany, September 2-5, 2001.
15. Algozin, K.A., Miller, G.Y., McNamara, P.E.; “An Econometric Analysis of the Economic Contribution of Subtherapeutic Antibiotic Use in Pork Production”, Illinois Food Safety Symposium, St. Charles, Illinois, September 6-7, 2001.
16. Miller, G.Y., Maghirang, R.G., Riskowski, G.L., Heber, A.J., Muyot, M., Robert, M.J.; “Influences on Odor from Mechanically Ventilated Swine Finishing Buildings in Illinois”, Swine Odor and Manure Management Field Day, Illinois State University, Bloomington, IL, July 10, 2002.

17. Huang, H., Miller, G.Y., Ellis, M., Funk, T., Hollis, G., Zhang, Y., Heber, A.J.; “Odor Management in Swine Finishing: Cost Effectiveness”, Swine Odor and Manure Management Field Day, Illinois State University, Bloomington, IL, July 10, 2002.
18. Liu, X., Miller, G.Y., McNamara, P.; “Salmonella in Pork Production: Risk and Social Costs”, Illinois Food Safety Symposium, St. Charles, IL, August 27-28, 2002.
19. Singer, R.S., Cox, L.A., Dickson, J.S., Hurd, H.S., Phillips, I., Miller, G.Y.; “Potential Risks and Benefits of Tylosin Use in Poultry”, 44th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC). Washington DC, October 30-November 2, 2004.
20. Miller, G.Y. Gale, S.B. Wells, S.J., Eshelman, C.E.; Impact of Emergency Vaccination in a Foot-and-Mouth Disease outbreak in Minnesota, USA; XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
21. Gale, S.B., Miller, G.Y., Wells, S.J.; Estimated Resource Needs for an FMD Outbreak in Minnesota, USA; XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
22. Gale, S.B., Eshelman, C.E., Miller, G.Y., Wells, S.J.; Simulation of FMD Outbreaks in Minnesota, USA; XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
24. Chung, J., Umber, J.K., Miller, G.Y., Hueston W.D.; “Alternative Risk Management Strategies for High Consequence Animal Disease Outbreaks in the United States”, XIII International Symposium of Veterinary Epidemiology and Economics, Maastricht, The Netherlands, August 20-24, 2012.
25. Davis, H., Lance, S., Lynn, T., Miller, G.Y.; “Predictors of Success in Salmonella Foodborne Outbreak Investigations in the United States, One Health Illinois Summit, Urbana, Illinois, August 1, 2013.
26. Amos, J., Long, K., Miller, G.Y., Johnson-Walker, Y.; “Building a Community of Global Health Scholars”. Illinois Learning Sciences Design Laboratory – A Lightning Symposium. University of Illinois, Champaign, IL. February 27, 2015.
27. Miller, G.Y., Wells, N., Sprandel, I, Levengood, J.; “Emerging Issues and Research on Harmful Cyanobacterial Algal Blooms Impact on Populations and Ecosystems”. Illinois Focal Point Symposium. August 24, 2015.
27. Yeager, V., Miller, G.Y.; “Comparison of American Pork Quality Assurance Standards to those of the Canadian Pork Quality Assurance System”. XIV International Symposium of Veterinary Epidemiology and Economics, Yucatan, Mexico. November 3-7, 2015.

28. Johnson, Y.J., Nadler, Y., Miller, G.Y., Olson, S., Briscoe, J. “Emergency management training for United States zoos and aquariums.” XIV International Symposium of Veterinary Epidemiology and Economics, Yucatan, Mexico. November 3-7, 2015.
29. MacNeill, B., Picanso, J., Miller, G.Y., et al., “Evaluation of the Cattle Fever Tick Eradication Program in the Texas/Mexico Border Region”. CSU Research Day. January 27, 2021. Available at: <https://cvmbresearchday-csu.ipostersessions.com/?s=DD-6E-DB-0D-14-7E-37-C0-40-1B-F9-58-96-76-7C-79>

III. RESIDENT INSTRUCTION

A. Summary of Instruction

1. Descriptive Data

(Provide information for undergraduate and graduate courses, both on and off campus, in summary form. List year, course number by semester, hours of student credit, and number of students enrolled per course.)

University of Illinois

Path 527 (Contemporary topics in epidemiology) – Sole instructor – Spring 2021 – Discussion course focused on Preventing Epidemics/Pandemics using the book *The Great Influenza; The Story of the Deadliest Pandemic in History*; 1 semester hour, 14 graduate students.

CICOM - Multisystem Conditions PBL Course Facilitator. 8 MD Students. January, 2021.

VCM 547 Global One Health, Guest Lecture: National and International Veterinary Legislation on Global Animal Diseases. Fall 2020. 3 semester hours, 10 DVM students.

Path 527 (Contemporary topics in epidemiology) – Sole instructor – Fall 2020 – Discussion course focused on Preventing Epidemics/Pandemics using the book *The End of Epidemics; The Looming Threat to Humanity and How to Stop It*; 1 semester hour, 9 graduate students.

MCB 436 (Global Biosecurity) – Invited lecture on “Preventing Pandemics: Three Areas for Action”; Fall 2020 – 110 undergraduate students.

MCB 436 (Global Biosecurity) – Invited lecture on "Keeping the United States Biosecure from Foreign Animal Diseases";
 Fall 2020 – 110 undergraduate students;
 Fall 2019 – 100 undergraduate students;
 Fall 2018 – 70 undergraduate students;
 Fall 2017 – 80 undergraduate students;
 Fall 2016 – 80 undergraduate students;
 Fall 2015 – 50 undergraduate students;
 Fall 2014 – 60 undergraduate students;
 Fall 2013 - 80 undergraduate students;
 Fall 2012 - 75 undergraduate students.

ANSC 205 – Invited lecture on FMD Preparedness and Response Basics;
 Spring 2021 – 90 undergraduate students;
 Spring 2020 – 80 undergraduate students;
 Spring 2019 – 65 undergraduate students;
 Spring 2018 – 40 undergraduate students;
 Spring 2017 – 45 undergraduate students;
 Spring 2016 – 75 undergraduate students;
 Spring 2015 – 75 undergraduate students;
 Spring 2014 - 85 undergraduate students;

Spring 2013 - 60 undergraduate students;
 Spring 2012 – 80 undergraduate students;
 Spring 2011 – 85 undergraduate students.

Path 527 (Contemporary topics in epidemiology) – Sole instructor – Fall 2019 – Discussion course focused on Tuberculosis using the book *Catching Breath* for discussion guide; 1 semester hour, 4 graduate students, 1 USDA TB expert, and 1 faculty member (Will Sander, Asst Prof Vet Clin Med) also took my class.

Path 527 (Contemporary topics in epidemiology) – Sole instructor – Spring 2019 – Discussion course focused on review of Zoonotic diseases using the book *Spillover* for discussion guide; 1 semester hour, 7 graduate and two faculty (Carl Parsons, Prof of Animal Sciences and Will Sander, Asst Prof Vet Clin Med) also took my class.

Path 527 (Contemporary topics in epidemiology) – Sole instructor - Fall 2018 – Discussion course focused on the history of antibiotic use and the influence on US agriculture; text used *Big Chicken* – 9 graduate students. Author Maryn McKenna came to my classroom for a session.

VM 617 – Sole UI Mentor for individual students in the Senior Professional Development course – Fall 2012-present; two DVM/MPH students each year.

Path 645, Sole instructor; Spring 2018 – Outbreak investigation, 1 semester hour, 8 DVM students and 1 graduate student; Spring 2016, 2 DVM students; Spring 2015, 10 DVM students, and 2 graduate students.

Path 527 (Contemporary topics in epidemiology) – Spring 2018 – Contemporary topics in Microbiomes, Discussion course focused on review of Microbiome science using the book *I Contain Multitudes: The Microbes within us and a Grander view of Life* for discussion guide; 1 semester hour, 6 graduate students.

Path 527 (Contemporary topics in epidemiology) – Sole instructor - Fall 2017 – Contemporary topics in Food and Waterborne Diseases, 1 semester hour, 4 undergraduate students, and 2 graduate students.

Animal Sciences 499 – Sole instructor - Fall 2017 – 6 undergraduate students and 1 graduate student (from Sierra Leone); Fall 2016 – 6 undergraduates and 2 graduate students (from Sierra Leone); Fall 2015; Introduction to Epidemiology and Tropical diseases; new course developed and delivered in an online format, 24 undergraduates, 5 graduate students. <https://learn.illinois.edu/course/view.php?id=12341> .

Path 527 (Contemporary topics in epidemiology) – Spring 2017 – 1 semester hour, 5 graduate students.

Path 527 (Contemporary topics in epidemiology) – Sole instructor - Fall 2016 – Contemporary topics in Infectious Diseases (HIV, Zika, Drug resistant TB, Ebola, Global Health), 1 semester hour, 16 graduate students and 2 DVM students.

Path 527 (Contemporary topics in epidemiology) – Spring 2016 – Discussion class on Risk Analysis, 1 semester hour, 8 graduate students.

Path 592 – Spring 2016 – Special Problems, 1 semester hour, 1 DVM student.

Path 527 (Contemporary topics in epidemiology) – Sole instructor - Fall 2015 – Discussion course focused on review of Zoonotic diseases using the book Spillover for discussion guide; 1 semester hour, 10 graduate and professional students.

Path 527 (Contemporary topics in epidemiology) – Spring 2015 - Emerging Issues and Research on Harmful Cyanobacterial Algal Blooms Impact on Populations, Ecosystems, and Water, 1 semester hour, 6 graduate students.

VCM 671 – International Veterinary Medicine, Spring 2015 – 15 students; Spring 2014 – 20 students; Spring 2013 – 20 students; Spring 2012 – 24 students. Invited lecture on International aspects of Foreign Animal Diseases – The Example of FMD.

Path 527 (Contemporary topics in epidemiology) – Fall 2014 - Emerging Issues and Research on Harmful Cyanobacterial Algal Blooms Impact on Populations, Ecosystems, and Water, 1 semester hour, 8 graduate students.

ACE Study Abroad Program, Njala University, March 19-April 4, 2014. Introduction to Epidemiology with Tropical Epidemiology Applications. Njala and Bo, Sierra Leone. Delivered to Njala MPH students, Bo Hospital Staff, and UIUC Study Abroad students (32 total participants).

Path 594 and 694 –Outbreak Investigations, 1 semester hour course, Spring 2015 – 4 professional students; Spring 2014 - 5 students (4 professional students and 1 graduate student); Spring 2013 - Outbreak Investigations, 1 semester hour course, 5 students (4 professional students and 1 graduate student).

TSM 311 – Invited lecture on Prevention of Disease in Food Supply Chains, Spring 2014 - 25 undergraduate students; Fall 2013 – 30 undergraduate students.

Presentation to Veterinary Public Health Club on Preparedness and Response in Foreign Animal Disease – 50 DVM students, Fall (October 31), 2013.

ACES 199 – Invited lecture on Food Safety from a Food Systems Perspective - Spring 2013 – 13 students.

VM 606 - Examination provider for final examination of Objective Structured Clinical Exam Milestone Clinical Practice II – individually graded second year student performance in practicum (four – 2-hour sessions of examination time) – Fall 2012.

PATH 592 and 692 –Spring 2012 – 6 students. Sole instructor.

VM 611 – Clinical Problem-Solving using Epidemiology; Spring 2013 – 120 Junior veterinary students; Spring 2012 – 120 Junior Veterinary Students. Contributed 2 hours of lecture.

PATH 527 – One Health Epidemiology, 1 semester hour course, Fall 2011 – 8 students. Co-taught with Marilyn Ruiz.

VM 608 – Infectious Diseases in Veterinary Medicine, 3 semester hour course, 2011 – 120 DVM students. Course instructor.

VM 694 - Senior Production Medicine Super Block, Spring 2012 – 12 DVM students; Spring 2011 – 25 DVM students. Course instructor. Block on costs of production, tools for making decisions.

ANSC 437 –lecture on the economics of reproductive management – 30 undergraduate/graduate students. Dec 1, 2009.

VCM 639 (replaced VCM 360)-Clinical Procedures and Problem Solving, 1 semester hour course, 2006-98 DVM students; 2008 - 100 DVM students; 2009 -107 DVM students; 2010 – 110 DVM students; 2011 – 120 students. Contributed 6 hours of computer lab.

VP 650 – Veterinary Epidemiology, 2 semester hour course, 2005-98 DVM students. Primary instructor and course coordinator.

VCM 360-Clinical Procedures and Problem Solving, 1 semester hour course, 2002-100 DVM students; 2003-100 DVM students; 2004-100 DVM students; 2005-100 DVM students. Contributed 6 hours of computer lab.

VP 341–Food Safety and Public Health, 2 semester hour course, 2003-100 DVM students, 5 graduate students; 2004-100 DVM students. Primary instructor and course coordinator.

VP 392-Independent Study on the Economics of Welfare Friendly Swine Production, 2 semester hour course, 2000-1 DVM student.

VP 392-Independent Study on Food Animal Economics, 1/4 unit; 2002-1 M.S. student.

VP 411-Seminar in Production/Population Medicine, 1/4 unit, 2004-4 graduate students; 2002-4 graduate students; 2000-8 graduate students; 1999-8 graduate students. Primary instructor and coordinator.

VP 417-Principles and Methods of Veterinary Epidemiology; 3/4 unit, 1999-6 graduate students. Team member.

VP 330-History, Ethics and Orientation, 1 credit, first-year veterinary students, course coordinator; 1994-80 students; 1995-85 students; 1996-92 students; 1997-100 students.

VP 393-Food Animal Health Economics, 3 credits (3/4 units), graduate students, sole instructor; 1998-3 students; 2000-4 students; 2002-1 student.

ACE 499 or VP 499-Thesis Research, 1999-present.

Ohio State University

Applied Animal Hygiene, 3 credits, undergraduates, Team Member 1982-1986

Applied Preventive Medicine, 5 credits, fourth-year veterinary students, Team Member, 1982-1994

Applied Veterinary Medicine, 9 credits, third-year veterinary students, Preventive Medicine Rotation Leader, 1982-1984

Basic Veterinary Epidemiology I; training course for USDA, APHIS, VS; Economics section, 1993

Contemporary Issues in Veterinary Medicine; 2 credits, elective course, 1993

Economics of Food Animal Health, sole instructor, 3 credits, 1989-1994

Faculty advisor for entering freshman veterinary students, 1992-1994

Graduate Faculty, Category 2 status, 1983-1991

Graduate Faculty, Category 3 status, 1991-1994

Group Studies on Veterinary Economics, Sole Instructor, 2 credits, 1988

Guest Seminar Series in Preventive Medicine, 1 credit, second-, third- and fourth-year veterinary students, Guest Lecturer, 1984

Individual Studies and Research for graduate students in Veterinary Preventive Medicine, 1985-1994

Journal Club Participant, 1984-1986, 1989-1994

Methods for the Critical Review of Biomedical Literature, Guest Lecturer, 2 credits, 1990-1992

Planning Team Member, Cardiovascular System Course, 6 credits, 2nd year veterinary students, 1992-1994

Planning Team Member, Respiratory System Course, 5 credits, 2nd year veterinary students, 1992-1994

Prevention of Communicable Diseases, 3 credits, third- and fourth-year veterinary students, Team Member, 1982-1994

Preventive Medicine and Public Health, 5 credits, second-year veterinary students, team member, 1982-1984

Principles of Epidemiology, 4 credits, first-year veterinary students, Team Member, 1982-1994, Team Leader, 1992-1994

Seminar in Veterinary Preventive Medicine, 1-2 credits, 1988-1990, 1992

Veterinary Preventive Medicine, 4 credits, third-year veterinary students, Team Member, 1994

2. Supervision of Graduate Student Research

(For each graduate student supervised, provide the student's name and level, dates work was supervised, current status, thesis title if completed and the student's placement.)

Hardesty, Mark E. The Effects of Feeding Strategy on the Feeding Behavior and Production by Lactating Cows. M.S. Thesis, 1984. Committee member.

Lightner, Jean K. Use of the National Animal Health Monitoring System as a Resource in Bovine Mastitis Research. M.S. thesis, 1987. Advisor.

Masterson, Margaret. Mastitis in Goats. Effects of Intramammary Infection and Caprine Arthritis Encephalitis on Coulter Counter SCC and CMT Scores. M.S. Thesis, 1989. Committee member.

Sischo, Bill. An Epidemiologic and Economic Evaluation of Mastitis Control Practices in Dairy Cattle. Ph.D. dissertation, 1991. Co-advisor.

Bartlett, Paul. Managerial and Environmental Determinants of Mastitis and Intramammary Infection of Dairy Cattle. Ph.D. dissertation, 1991. Co-advisor.

Orloski-Snider, Kathy. The Relationship Between Vaccination for and Infection with Pseudorabies Virus Examination of Risk Factors for Infection with Pseudorabies Virus, and Decision Tree Analysis of the Cost of Vaccination for Pseudorabies Virus Infection in Swine Herds in Mercer County, Ohio. M.S. Thesis, 1993. Committee member.

Saeed, Khalid. Ph.D. student. 1993. Committee member. Student changed research focus, so not on committee after 1993.

Tsai, Jason. Ph.D. student. A Benefit-Cost Analysis of the National Pseudorabies Eradication Program. Ph.D. dissertation, 1994. Advisor.

Lance, Susan. Epidemiology of Neonatal Dairy Calf Morbidity and Mortality. Ph.D. dissertation. 1994. Advisor.

Bird, Jackie. Ph.D. student. 1991-1994. Committee member.

Majewski, George. M.S. student. 1991-1994. Committee member.

McIlroy, Wendy. M.S. student. 1992-1994. Advisor.

Regula, Gerti. Development and Evaluation of a Herd Health Monitoring System for Swine Operations: The Influence of Subclinical Infection on Production Parameters. M.S. thesis. 1998. Graduate Advisory Committee member.

- Nash, Marilyn. The Identification of Risk Factors for Mortality and Respiratory Disease in Lambs; An Evaluation of Risk Factor Based Health Management Strategies. Ph.D. dissertation. 1998. Graduate Advisory Committee member.
- Hassan, Magdy. Analyses of Spermograms and Tubulograms of Peripubertal Bulls, and Morphological Characteristics of Spermatazoa in Yearling Bulls fed Gossypol. M.S. thesis. 1997-1999. Graduate Advisory Committee member.
- Hussey, Richard A. Reducing Earthen Lagoon Gas Emissions Using an Air Supported Pneumatic Structure. M.S. Ag Engineering. 2000. External Examiner.
- Sexten, Julie, M.S. student. Farm Level Economic Implications of Mycoplasma Hyopneumoniae Vaccination Programs in Swine Batch Finishing Operations: A Bioeconomic Simulation Model. 2001. Research Advisor and Academic Advisor.
- Tunev, Stefan, Pathology Resident, 1998-2001. Graduate Advisory Committee member.
- Kim, Jae-Yeon, M.S. student. 1999-2001. Graduate Advisory Committee Member.
- Zhang, Tienfang, M.S. student. Costs and Benefits of Phytase as a Feed Additive for Meeting the Nutritional Phosphorus Needs in Pig Production. 1999-2004. Academic and Research Advisor.
- Moreau, Isabelle, M.S. student. Control and Prevention of Complicated Mycoplasma Hyopneumonia Among Pigs Reared in an Age Segregated Production System. 1999-2002. Graduate Advisory Committee Member.
- Rich, Karl, Ph.D. student. Spatial Models of Animal Disease Control in South America. 2002-2005. Graduate Advisory Committee member.
- Johnson, Wayne, M.S. student. 2004-2005. Graduate Advisory Committee member.
- Boergen, Maria, Ph.D. student. Trade and Welfare Effects of Japan's Revised Import Protocol for American Applies. 2006-2008. Graduate Advisory Committee member.
- Jamie Umber, M.P.H. student, 2007-2009. Graduate Advisory Committee member.
- Bishinga, Clement Belanger, M.S. student. 2011-2012. The Information Problem within Swine Reproductive Value Chain. Graduate Advisory Committee member.
- Trisha Rentschler, M.S. student. 2013-2015. Influences of Larval Habitat on the Potential Risk of West Nile Virus in South Cook County. Graduate Advisory Committee member.
- Benjamin Blair, 2017-2020. Describing the Cull Sow and Cull Hog Market Networks in the US. Graduate Advisory Committee member.
- Jamison Mori, 2020-present. Water and One Health in Agriculture. Graduate Advisory Committee member.

Other Contributions to Instructional Programs

National Animal Disease Preparedness and Response Program Foot and Mouth Disease Tabletop Exercise. First ever virtual NADPRP exercise and training program. September 8-11, 2020.

National Veterinary Stockpile, 3D Contractor Training, Turkey Depopulation. Materials to be used in a classroom setting; April 9, 2010.

Instruction for Turkey Depopulation for the National Center for Animal Health Emergency management to their 3D (Depopulation, Disposal, and Disinfection) contractors. October 28-29, 2009.

Large Animal Depopulation; 3D training materials to be used in a classroom setting; October 23, 2009.

Commercial Caged Layer Depopulation, Disposal and Disinfection; 3D training materials to be used in a classroom setting; August 8, 2008.

Instruction for Large Animal Depopulation for the National Center for Animal Health Emergency Management to their 3D (Depopulation, Disposal, and Disinfection) contractors. June 24, 25, 2008.

Instruction for Depopulation of layer chickens for the National Center for Animal Health Emergency Management to their 3D (Depopulation, Disposal, and Disinfection) contractors at commercial layer facilities. February 25, 26, 2008.

See teaching and education-related committees in next section.

Post-docs Mentored

Yanghoon, Song, 1998-2000; August 2000, position as Associate Fellow at the Korean Environmental Institute.

Ken Algozin, 2000-2001; August 2001, position as Shiawassee River Program Manager at the Nature Conservancy, Michigan Chapter.

Xuanli Lui, 2002-2004, position as research associate, Fort Valley State University, GA.

Haixiao Huang, 2002-2005, position as research associate, West Virginia State University, Morgantown, WV.

IV. SERVICE (PUBLIC, PROFESSIONAL/DISCIPLINARY, AND UNIVERSITY)

A. Summary of Service

1. Public Service

Illinois Veterinary Medical Reserve Corp (ILVMRC) Working Group, 2018-present.

USDA TX Cattle Fever Tick Eradication Taskforce; Subject Matter Expert, 2018-present.

USDA, SBIR Panel Reviewer, 2018.

AAAS Annual Meeting 2020 – Proposal Reviewer; May-June 2019.

AAAS Annual Meeting 2017 – Proposal Reviewer; May-June 2016.

Zoo Ready IV Workshop on Enhancing Foreign Animal Disease Response Communication Channels; Facilitated discussion: Lessons Learned. Management & Communication strategies for Managed Wildlife exhibitors in a “post HPAI world”. Veterinary Services District 3, Indianapolis, IN, June 21-22, 2016. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

Zoo Ready IV Workshops on Enhancing Foreign Animal Disease Response; Omaha, NE, Feb 22-25, 2016. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

Avian Influenza and Poultry Trade; International Conference sponsored by USDA, VS. June 22-24, 2015. Holiday Inn Inner Harbor, Baltimore, MD. By-Invitation-Only Conference; I was the representative attending from the State of IL.

Zoo Ready Workshop on Enhancing Foreign Animal Disease Response Communication Channels Zoo Ready III Meeting; Veterinary Services District 5, February 25-26, 2015, Omaha, NE. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

Zoo Ready Workshop on Management of Foot-and-Mouth Disease* in Captive Susceptible Species: Emergency Guidelines for the Captive Wildlife Community, February 23-24, 2015, Omaha, NE. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

Zoo Ready Workshop on Enhancing FAD Response Communication Channels, Planning Team and Workshop Facilitator, March 5-6, 2014, Smithsonian-Mason School of Conservation, Front Royal, Virginia. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

USDA sponsored Flu at the Zoo Two – Incident Command System Training and Exercise for MidWest Zoos – Exercise Planning Team, 2012 - 2013. ICS training delivered on June 11, 2013 in Bloomington, IL. Functional web-based exercise conducted on August 20-22, 2013. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

DHS Science and Technology Working Group for Scoping and Requirements for Development of a Comprehensive Agricultural Risk Assessment; 2012-2014.

*UIUC CV outline from Provost Communication #9 for P&T and annual review for Gay Y. Miller

USDA sponsored Flu at the Zoo – Tabletop exercise of an HPAI Outbreak at the Brookfield Zoo – Exercise Evaluator, June 6, 2012. This project was funded by a grant to UI/CVM from USDA, VS, Animal Care.

Committee on the Evaluation of an Updated Site-Specific Risk Assessment for the National Bio- And Agro-Defense Facility in Manhattan, Kansas, September 6-7, 2011, Keck Center of the National Academies, Washington, DC; invited by the National Academy of Sciences as a participant.

Talent Management Advisory Council (TMAC), Veterinary Services. 2010-2012.

Emergency Planning Action Team (EPAT) Subcommittee; part of TMAC formed to ensure an adequate Federal Veterinary Workforce. 2010-2012.

Acting Director for the National Veterinary Stockpile, USDA, APHIS, VS, NCAHEM, June 21-July 11, 2010.

NSF, Panel Review and Site visit. 2009.

USDA, NVS, FMD Tabletop Exercise Evaluator, Carol Stream, IL, June 16-17, 2009. This exercise involved the 13 states in the MultiState Partnership for Security in Agriculture.

USDA, NVS, FMD Full Scale Exercise Evaluator, East Peoria, IL, June 18, 2009. This NVS deployment exercise involved Illinois; there were three other deployment exercises held concurrent with this one.

USDA, NVS, MultiState Partnership for Security in Agriculture FMD Logistics Exercise – Illinois Planning Team, 2008-2009.

USDA, SBIR Panel Reviewer, 2008.

NSF, Panel Reviews and Site visits. 2008.

USDA, ERS, Ad Hoc Reviewer as requested. 2006-2007.

USDA, ERS, PREISM Grants Program, External Grants Ad Hoc Reviewer, 2003-2006.

USDA, SCREES, NRICBP, Ad hoc Grant Reviewer, 1991, 1992, 2000, 2002.

Other public service related to personal or family interests.

2. Service to Disciplinary and Professional Societies or Associations

AVMA Committee on Disaster and Emergency Issues, 2021-present.

USAHA Committee on Animal Welfare, 2019-present.

USAHA Committee on Interstate & International Commerce, 2017-present.

USAHA Committee on One Health, 2017-present.

USAHA/AAVLD Committee on Animal Health Surveillance and Information Systems, 2014-present.

USAHA Committee on Animal Emergency Management, 2007-present.

USAHA Committee on Foreign and Emerging Diseases, 2008-present.

USAHA Committee on Import/Export, 2014-present.

USAHA Committee on Transmissible Diseases of Swine, 2013–present.

USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species, 2007-present.

USAHA Committee on Global Animal Health and Trade, 2016.

ISVEE (International Symposium on Veterinary Epidemiology and Economics) 14 - Scientific Committee Member 2013-2015; Moderator of Public Health Sections; External reviewer; Symposium to be held November 3-7, 2015 in Yucatan, Mexico.

Academic Alliance Leadership Conference, UIUC SEC representative – attended Sept 28-30, 2016.

CIC Faculty Leaders Conference, September 24-25, 2015; organized and hosted at UIUC. UIUC SEC representative - attended March 14-15, 2016; September 24-25, 2015; October 27-29, 2011.

External Scientific Reviewer for the Research Council of Norway: SANCOOP – South Africa – Norway Research Cooperation on Climate, the Environment and Renewable Energy, 2013.

National Pork Board Ad hoc Foreign Animal Diseases Economics Working Group – 2011.

APHIS Mass Depopulation Steering Committee, 2009-2012.

National Academy of Sciences Committee on Assessing the Current and Future Workforce Needs in Veterinary Medicine; 2007-2012.

Reviewer, International Symposium for Veterinary Epidemiology and Economics papers and abstracts, 2009.

National Animal Health Emergency Response Corps (NAHERC), 2008- corps becoming inactive ~2014.

National Pork Board Committee –Sow Housing Economics Task Force, work for preparation for anticipated Farm Bill Amendments, 2007.

AAAS Science and Technology Policy Fellowship Seminar Committee, 2006-2007.

AAAS Science and Technology Policy Fellowship Professional Development Committee, 2006-2007.

Illinois Veterinary Emergency Response Team 2005- team becoming inactive ~2014.

Committee to help the National Pork Board establish Post-Harvest Pork Safety Research needs, 2005.

AAVMC Food Supply Veterinary Medicine Education Workshop Program Committee, 2005.

Association for Veterinary Epidemiology and Preventive Medicine (formerly the Association of Teachers of Veterinary Public Health and Preventive Medicine), Executive Board Member, 2003-2005.

OARDC Research Enhancement Competitive Grant Program-External Reviewer, 2003.

International Symposium for Veterinary Epidemiology and Economics X. 2003. Review Committee for Selection of Symposium Papers.

National Commission on Veterinary Economic Issues-Subgroup on Skills, Knowledge and Aptitude, 2000-2004.

Board of Scientific Reviewers for the American Journal of Veterinary Research, January 2000-December 2002.

USDA Committee on Integrated Animal Health Management, 1996-1999.

Refereeing Provided to the Following Journals and Organizations:

Journal of the American Veterinary Medical Association, 1987-present
 American Journal of Veterinary Research 1987-present
 Journal of Preventive Veterinary Medicine, 1994-present
 Journal of Veterinary Medical Education, 1995-present
 Journal of Agricultural and Applied Economics, 2009-present
 Animal Health Research Review, 2018.
 Journal of Reviews on Global Economics, 2015
 Choices Magazine, 2014
 BMC Veterinary Research, 2012
 African Journal of Agricultural Research, 2011
 Journal of Zoonoses and Public Health, 2009
 American Journal of Agricultural Economics, 1988, 2009
 Journal of Swine Health and Production, 2008
 International Regional Science Review, 2007-2009
 Economic Research Service, 2006-2007
 Public Health Reports, 2006
 Journal of Environment International, 2004
 Review of Agricultural Economics, 1999
 Veterinary Research Communications, 1999
 The Compendium on Continuing Education for the Practicing Veterinarian, 1988-1995
 Equine Veterinary Journal, 1994
 American Agricultural Economics Association Selected Papers Reviewer, 1993
 Journal of Dairy Science, 1989, 1990
 North Central Journal of Agricultural Economics, 1988

3. University/Campus Service

University of Illinois

University

Provost's Committee on Senate Leadership Compensation, UIUC, 2020
 Higher Learning Commission Reaccreditation Committee, UIUC, 2018-2020.
 Carle Illinois College of Medicine, Grievance Committee, 2019-present
 Carle Illinois College of Medicine Appointments, Promotions and Tenure Committee,
 2017-present
 Illinois Board of Higher Education Faculty Advisory Council (IBHE-FAC) representative
 from UIUC, 2017-present
 IBHE-FAC Public Caucus, 2017-present
 IBHE-FAC Dual Credit Working Group, 2020-2021
 IBHE-FAC Online Working Group Chair, 2020-2021
 IBHE-FAC Articulation Initiative Working Group, 2019-2020
 IBHE-FAC Nominating Committee, 2020
 IBHE-FAC Higher Education Working Groups, 2018-2019
 UI Research Board Peer Reviewer: 2019; 2015, 2006.

UIUC Senate Committee on Education Policy, 2008-2015, Chair, 2011-2015, 2017-2019 and Chair.

- Ed Pol Subcommittee on Grade Replacement policy, 2012
- Ed Pol Subcommittee to provide Academic Calendar Solution, 2011
- Ed Pol Subcommittee to examine +/- grading policy, 2010

Carle Illinois College of Medicine Admissions Committee Application Screening, 2017-2019

Fulbright Review Committee for Johnny Uelmen for UIUC, 2018

Carle Illinois College of Medicine Academic Affairs Search Committee for Academic Affairs Personnel (Director of Curriculum, Director of Faculty Development, and Director of Academic Technologies) 2017

Chancellor's Advisory Team, 2016-17

Chancellor's Transition Planning Team, 2016

Provost's Committee for Curriculum Development, College of Medicine, 2015-2017.

Subcommittees for COM:

- Estimated Faculty FTE needs; 2016
- Cardio-module development; 2016-17
- COM Curriculum Planning for LCME Standard 8; 2016-2017
- Student Innovation Projects Subcommittee, 2017
- Admission Standards Subcommittee, 2016

Provost's Committee for College of Medicine Overall Framework and Module Integration, 2015-2017

University Senates Conference – 2013-2016; re-elected 2016-2019.

- USC Academic Affairs and Research Committee – 2013 – 2019, Chair 2014-2016; Chair 2018-2019.
- USC ad hoc Committee for DPI Approval Process, 2019
- USC Executive Committee – 2015-2017
- USC Nominating Committee and Chair, 2017
- USC Finance, Budget, and Benefits Committee – 2017-2018
- USC Healthcare Systems Committee – 2016-2017
- USC ad hoc Committee on Background Check Assessment, Chair, 2015
- USC Representative to Illinois Board of Trustees meetings – September 10, 2015, November 10, 2016, January 19, 2017, March 15, 2018
- Presentation to Illinois Board of Trustees, “How Academic Programs are Created and Modified on the UIUC Campus”, January 14 2015
- Presentation to Illinois Board of Trustees, “Faculty-Student Collaborations across the UI System”, March 15, 2017.

UIUC Senate Executive Committee, 2011-present; Chair 2015-2017

- UIUC SEC Subcommittees for interviews and feedback on many administrative (Deans, VCs, VPs, and others as requested) searches, 2014-2017
- UIUC SEC Representative to Illinois Board of Trustees meetings – Mar 15, 2012; Nov 13, 2014; Jan 14-15, 2015; September 8, 2016; November 9-10, 2016; January 19, 2017, May 11, 2017; March 15, 2018
- UIUC SEC Subcommittee for nomination of Campus Budget Advisory Taskforce, Summer, 2015
- UIUC SEC Subcommittee to recruit new members for CoC, Fall, 2012; and Spring, 2015
- UIUC SEC Enrollment Management Task Force, 2011-2012
- UIUC MOOC Strategic Advisory Committee (MSAC), 2013 – 2016

UIUC IT Governance Executive Steering Committee, 2015-2016
 University of Illinois President's Strategic Planning Steering Committee, 2015-2016
 University of Illinois President's ad hoc committee to assess background check policies, 2015-2016
 University Vice President for Research (OVPR) Faculty Advisory Committee, 2015-2017
 University of Illinois Senator, 1999-2001, 2002-2004, 2008-2010; 2013-2015; 2015-2017.
 Chancellor's Ad hoc Advisory Committee for College of Medicine Faculty Working Group – 2014-2015
 Provost's Curriculum & Admissions work group for College of Medicine – 2014-2015
 Chancellor's committee on Academic Integrity – 2013 – 2014
 University of Illinois Research Board Reviewer - 2015
 Graduate College Subcommittee Examining the Housing of Programs in Administrative Units, 2013
 UIUC Senate Task Force on Campus Participation in the Coursera Initiative, 2012
 University of Illinois Senate Parliamentary Intern, 2010-2011; 2011-2012
 Senate Committee on Student Discipline, 1999-2003, 2004-2007, 2009-2011
 ACES Academic Integrity Inquiry Panel, 2006
 UIUC Research Board, Ad Hoc Proposal Reviews, 2006
 Senate Budget Committee, 2005-2006
 Provost's Campus Budget Oversight Committee, 2000-2005, Chair, 2003-2004, Chair, 2004-2005
 University of Illinois Senate Parliamentarian, 2001-2005
 Senate Committee on Committees, 2003-2005
 Provost's Committee on Reorganization of Administrative Services, 2003
 Provost's Ad Hoc Committee to evaluate the structure of ALS, 2003
 Provost's Campus Promotion and Tenure Committee, 2001-2003
 C-FAR Internal Competitive Research Grants Review Panel, Chair, 2001; \$2.3 million distributed in 2001; Chair, 2002
 C-FAR Internal Competitive Research Grants Review Panel, 1998, 1999
 Medical Scholars Program, College Representative, 1994-1995
 Executive Advisory Committee for Faculty Retreats on Teaching for Active Learning, University of Illinois, 1994-1996 (retreats on January 20, 1995, September 15, 1995, January 19, 1996, February 6, 1997)
 University of Illinois Direct, College Representative, 1994-1996

College of Veterinary Medicine

CVM Library Committee, 1998-2000; 2019-present
 VCM Mentoring Committee for Dr. Yvette Johnson-Walker, 2014-present
 VCM Mentoring Committee for Dr. Will Sander, 2020-present
 Search Committee for PATH Department Head, 2016-2019
 CVM Promotion and Tenure Committee, 2015-2018
 CVM Information Management and Library Committee, 2018-2021; 2013-2016; 2010-2013.
 CVM Grievance Committee, 2014-2017
 Public Relations Response Team, 2005-present
 Elections and Credentials Committee, 2007-2016, Chair 2010-16
 PATH representative to VCM Graduate Program Advisory Committee, 2011-2016
 CVM Veterinary Medicine Library Service and Space Planning Team, 2011

CVM Parliamentarian, 2001-2006
 Scholastic Petitions Committee, 2008-2011
 College of Veterinary Medicine Stewards of Excellence Committee, 2010
 Illinois Integrated Veterinary Professional Curriculum Budget Subcommittee, 2009-2010
 CVM Grievance Committee, 2008-2011
 Search Committee for VCM Department Head, Chair, 2004-2005
 CVM Executive Committee Alternate, 2004-2005
 Ad Hoc Committee to discuss VTH Director Position, 2005
 Ad Hoc Committee on Research Space, 2004
 CVM Disciplinary Committee, 2002-2005
 CVM Committee on Committees, 2001-2003, Chair 2002-2003
 Ad Hoc Committee on Production Animal Medicine Program, 2001-2002
 CVM Promotion and Tenure Committee, 1999-2002
 CVM Search Committee for VCM Department Head, 1999
 Search Committee for Swine Extension Veterinarian, 1998
 Ad Hoc Committee for CVM Fall Teaching Retreat, 1995
 Ad Hoc Committee for CVM/ISVMA Mentoring Program, Chair, 1995-1997
 Ad Hoc Committee on Graduate Course Review, Chair, 1994-1997
 Ad Hoc Committee on Instructional Strategies, *ex officio*, 1994-1997
 Ad Hoc Committee on Outcomes Assessment for CVM, Chair, 1994-1997
 Administrative Committee, 1994-1997
 Admissions Advisory Committee, *ex officio*, voting member, Chair, 1994-1997
 Affirmative Action Committee, 1994-1997
 Awards and Scholarships Committee, *ex officio*, voting member 1994-1997
 Courses and Curriculum Committee, *ex officio*, 1994-1997
 Non-traditional Student Assessment Program Committee, Chair, 1994-1997
 Occupational Safety and Health Committee, *ex officio*, 1994-1997
 Scholastic Petitions Committee, *ex officio*, 1994-1997
 Search Committee—VCM Swine Faculty Position, 1995
 Student Discipline Committee, *ex officio*, 1994-1997

Department of Pathobiology – previously Dept of Veterinary Pathobiology

PATH Promotion and Tenure Committee for Csaba Varga, Committee Chair, 2019-present
 PATH Promotion and Tenure Committee for Rebecca Smith, Committee Chair, 2015-present.
 PATH Advisory Committee, 2003-2005, 2007-2011; 2014-present
 Epidemiology and Preventive Medicine Division Chair, 2003-2005, 2007-2011; 2014-present
 PATH Teaching Assessment Committee, 2017-2019
 PATH Promotion and Tenure Committee for Marilyn Ruiz, 2017-2018
 PATH Search Committee for Research Pathologist, 2016-2017
 PATH Capricious Grading Committee, 2014-2015, Alternate
 PATH Teaching Assessment Committee, 2014-2016
 PATH Graduate Grievance Committee, 2014-2015, Alternate
 PATH Committee to Review Pathology Resident Requirements - 2012
 VCM Graduate Advisory Committee, 2011-2015
 PATH Graduate Advisory Committee, 2010-2013

PATH Courses and Curriculum Committee, 2010-2012
 PATH Promotion and Tenure Committee for Dr. Milton McAllister, Chair, 2000-2006,
 2008-2009
 PATH Capricious Grading Committee, 2007-2009
 PATH Graduate Grievance Committee, 2007-2009
 PATH Faculty Grievance Committee, 2007-2008; alternate 2008-2010.
 VP Teaching Assessment Committee, 1998-2002, 2004-2006
 VP Advisory Committee, 2003-2005
 VP Promotion and Tenure Committee for Dr. Randy Singer, Chair, 2002-2003
 VP Representative to C-FAR, 2001-2003
 VP *Ad hoc* Departmental Organization Review Committee, 1998-1999
 VP *Ad hoc* Committee on Peer Evaluation of Teaching, 1997-1999
 VP Courses and Curriculum Committee, 1998-2000
 VP Graduate Advisory Committee, 1998-2001, Chair 1998-1999, Chair 1999-2000
 VP Promotion and Tenure Committee for Dr. Jim Zachary, 1998
 VP Capricious Grading Committee, 1998-1999
 VP Search Committee for Molecular Epidemiologist, 1998-1999
 VP Seminar Committee, 1998-2000

Ohio State University Service Period

University Senate, 1994
 University Faculty Compensation and Benefits Committee, University Senate, 1994
 Department (VPM) Bovine Species Focus Group, 1994
 Department (VPM) Porcine Species Focus Group, 1994
 Ethics and Grievance Committee, OVMA, 1994
 Department (VPM) Restructuring 700.08 Committee, 1994
 Department (VPM) Re-investment Committee, 1993-1994
 College Computer Committee, 1993-1994; Chair; 1993-1994
 National Mastitis Council Research Committee, 1993-1994
 College Awards Committee, 1992-1994
 Department (VPM) Awards Committee, 1992-1994
 Ohio State Fair, 4-H Judge for Veterinary Science Projects, 1993
 The Ohio State Science Fair Judging Team, 1993
 College Council on Education, 1992-1994
 Department (VPM) Computer Committee, member 1985-1994; 1985-1986; Chair, 1993-
 1994, Chair
 College Committee on Faculty Development, 1992
 University Screening Committee for the Position of Associate Vice President for
 Research, Office of Research and Associate Dean for Research and Graduate
 Education, College of Medicine, 1992
 Ohio Pork Producers Council Strategic Planning Committee on Regulations and Policy,
 1991-1992
 College Committee on Research Incentives for Faculty, Chair, 1991
 College Council for Research, 1990-1992, Chair, 1991-1992
 Food Animal Program Committee, OVMA, 1991-1992
 Public Health Committee, OVMA, 1991-1992
 Department (VPM) Self Study Committee for Program Review, 1990-1992
 Department (VPM) Search Committee for Analytical Epidemiologist, Chair, 1990-1991

Public Health Committee, OVMA, 1990-1991
 College Advisory Committee to the Dean, 1989-1990
 College Scholarship Committee, 1989-1990
 College Ad Hoc Strategic Planning Committee, Chair, 1989
 Department (VPM) Search Committee for Analytical Epidemiologist, Chair, 1989-1990
 University Grants Committee of the Teaching Excellence Advisory Council, Center for
 Teaching Excellence, 1988, 1989, 1990
 College Affirmative Action Committee, 1987-1988
 Program Committee, OVMA, 1986
 College Committee on Information Services, 1985
 Liaison Committee to Ohio Agriculture and Extension Veterinarian; OVMA, 1985
 College Facilities Subcommittee of the College's Long-Range Planning Committee, 1984
 Department (VPM) Search Committee for Herd Health Specialist (faculty position), 1984
 College Personnel Subcommittee of the College's Long-Range Planning Committee, 1984
 College Women and Minorities Subcommittee of the Admissions Subcommittee of the
 College's Long-Range Planning Committee, 1984
 College Committee to study the feasibility of moving the state diagnostic laboratory to
 The College of Veterinary Medicine, 1983-1984

Other Major Services:

University of Illinois

Selection Committee for Basic Science Phi Zeta Literary Award, Chair, 2001-2002, 2006
 Applicant Interview Program, 1996-1999
 Applicant Recruitment Program 1994-1997
 Coordination of Graduation Ceremonies, 1995, 1996, 1997
 CVM Freshman Orientation Program, 2-day program, 1994-1997
 High School Minority Program, 8-week session, summers, 1994-1997
 Individual Student Advising/Counseling, 1994-1997
 Recruitment of Professional Students, 1994-1997
 College of Agriculture Open House Judging, 1995

Ohio State University

Departmental (VPM) Seminar Series Coordinator, 1988-1990
 Departmental (VPM) Strategic Planning Retreat Coordinator, Fall, 1988*

* CV Last updated 2/25/2021

*UIUC CV outline from Provost Communication #9 for P&T and annual review for Gay Y. Miller