

CURRICULUM VITA

JAMES W. LLOYD

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CURRENT POSITION

CEO/Founder and Senior Consultant, Animal Health Economics, LLC, since 2019

PROFESSIONAL FOCUS

Improving access to veterinary care by strengthening the veterinary workforce

EDUCATION

Doctor of Philosophy – Agricultural economics (Michigan State University)

Doctor of Veterinary Medicine (Michigan State University)

Bachelor of Science – Fisheries and wildlife (Michigan State University)

CONSULTING REPORTS/PUBLICATIONS (since 2019)

1. **Lloyd, J.W.** Evaluating the depth of quality in the 2018 AAVMC applicant pool. Association of American Veterinary Medical Colleges, Washington, DC, July 2019, 9 pp.
2. **Lloyd, J.W.** Characterizing the current US employment market for veterinarians – June 2019. Animal Policy Group, Scottsdale, Arizona, July 2019, 9 pp.
3. **Lloyd, J.W.** High value veterinary technician initiative: 2-yr vs. 4-yr education project report. Veterinary Innovation Council, Orlando, February 2020, 13 pp.
4. **Lloyd, J.W.**, C.A. Cantner, V. Mariani, L.M. Greenhill, N.K. Haden, F. Tucker-Lively, and H.M. Chaddock. AAVMC faculty development needs assessment – 2019. Association of American Veterinary Medical Colleges, Washington, DC, July 2020, 25 pp.
5. **Lloyd, J.W.**, C.A. Cantner, V. Mariani, L.M. Greenhill, N.K. Haden, F. Tucker-Lively, and H.M. Chaddock. AAVMC academic administrator leadership development needs assessment – 2019. Association of American Veterinary Medical Colleges, Washington, DC, September 2020, 21 pp.
6. **Lloyd, J.W.**, and L.M. Greenhill. AAVMC admissions: report of 2019 student survey analysis. Association of American Veterinary Medical Colleges, Washington, DC, Nov. 2020, 14 pp.
7. **Lloyd, J.W.** Use of Graduate Record Examinations (GRE) in veterinary medical admissions. Association of American Veterinary Medical Colleges, Washington, DC, February 2021, 6 pp.
8. **Lloyd, J.W.**, and M.L. Cushing. Masters in veterinary clinical care: exploratory project report. Veterinary Innovation Council, Orlando, February 2021, 25 pp.
9. **Lloyd, J.W.** Power of 10: impact assessment report. Veterinary Medical Association Executives, Camas, Washington, August 2021, 143 pp.
10. **Lloyd, J.W.** Pet healthcare in the US: Are there enough veterinarians? Mars Veterinary Health, Vancouver, WA, April 2021, 7 pp.
11. **Lloyd, J.W.** Pet healthcare in the US: Are there enough veterinary nurses/technicians? Is there adequate training capacity? Mars Veterinary Health, Vancouver, WA, August 2021, 7 pp.
12. **Lloyd, J.W.** Pet healthcare in the US: Pandemic-related questions & answers. Mars Veterinary Health, Vancouver, WA, January 2022, 7 pp.
13. **Lloyd, J.W.** Pet healthcare in the US: Are there enough veterinary specialists? Is there adequate training capacity? Mars Veterinary Health, Vancouver, WA, February 2022, 7 pp.
14. **Lloyd, J.W.** How might a recession impact veterinary medicine? The Fountain Report, Antelligence, Dec. 2, 2022, 2 pp.
15. **Lloyd, J.W.** Inflation and prices in veterinary medicine. The Fountain Report, Antelligence, Dec. 9, 2022, 2 pp.

CONSULTING REPORTS/PUBLICATIONS (since 2019 – cont'd)

16. **Lloyd, J.W.** Reflecting on recent trends in the number of veterinary visits and total revenue. The Fountain Report, Antelligence, Dec. 16, 2022, 2 pp.
17. **Lloyd, J.W.** 'Excess capacity' versus 'oversupply' in veterinary medicine. The Fountain Report, Antelligence, Jan. 6, 2023, 2 pp.
18. **Lloyd, J.W.** Economic efficiency in veterinary medicine. The Fountain Report, Antelligence, Jan. 13, 2023, 3 pp.
19. **Lloyd, J.W.** Turnover and attrition in veterinary medicine. The Fountain Report, Antelligence, Jan. 20, 2023, 3 pp.
20. **Lloyd, J.W.**, and D.M. Smith. Projecting the California veterinary workforce shortage. College of Veterinary Medicine, University of California-Davis. June 14, 2023, 7pp.
21. **Lloyd, J.W.** Pet healthcare in the U.S.: another look at the veterinarian workforce. Mars Veterinary Health, Vancouver, WA, August 2023, 14 pp.
22. Tams, T.R. and **J.W. Lloyd**. House office wellbeing summit (HOWS): executive summary. Mars Veterinary Health, Vancouver, WA, October 2023, 21 pp.
23. **Lloyd, J.W.**, and D.L. Harris. Enhancing access to in-person pet healthcare: exploring market segmentation and innovative business models. Veterinary Innovation Council, March 2024, 27pp.

WORKSHOPS/CONFERENCES CONDUCTED OR COORDINATED (since 2019)

1. Stetter, M., A. Maccabe, **J.W. Lloyd**, and W. Jensen. Leading change in veterinary healthcare delivery: new perspectives for AAVMC on the veterinary medical team. American Association of Veterinary Medical Colleges and Colorado State University College of Veterinary Medicine and Biomedical Sciences, virtual conference, July 21-22, 2021.
2. Stetter, M., A. Maccabe, **J.W. Lloyd**, and T. Tams. Improving house officer wellbeing. Mars Veterinary Health, UC Davis College of Veterinary Medicine, and the American Association of Veterinary Medical Colleges, Chicago, December 1, 2022.
3. Moore, R.M., A. Maccabe, **J.W. Lloyd**, and T. Tams. Enhancing house officer mentorship. Mars Veterinary Health, The Ohio State University College of Veterinary Medicine, and the American Association of Veterinary Medical Colleges, Columbus, October 19, 2023.

CONSULTING PRESENTATIONS (since 2019)

1. **Lloyd, J.W.** The current US employment market for veterinarians, Pet Healthcare Industry Summit 2019, Banfield Pet Hospital, Portland, Oregon, September 12, 2019.
2. **Lloyd, J.W.** Evaluating the depth of quality in the 2018 AAVMC applicant pool, Pet Healthcare Industry Summit 2019, Banfield Pet Hospital, Portland, Oregon, Sept. 12, 2019.
3. **Lloyd, J.W.** Veterinary technician/nurse initiative – Veterinary Innovation Council, Pet Healthcare Industry Summit 2020, Banfield Pet Hospital (virtual conference), Sept. 14, 2020.
4. **Lloyd, J.W.** Building a pipeline of leaders for academic veterinary medicine, AAVMC Annual Meeting (virtual), March 3, 2021.
5. **Lloyd, J.W.** Power of ten impact assessment, Veterinary Medical Association Executives (VMAE) Annual Conference (virtual), July 20, 2021.
6. **Lloyd, J.W.** and S. Anderson. MS in advanced clinical care – a new “extender” for veterinarians? American Association of Veterinary Medical Colleges and Colorado State Univ. College of Veterinary Medicine and Biomedical Sciences, virtual conference, July 21-22, 2021.
7. Anderson, S. and **J.W. Lloyd**. MS in advanced clinical care – a new “extender” for veterinarians? Veterinary Innovation Summit, Kansas City, August 28, 2021.
8. **Lloyd, J.W.** The veterinary workforce: where are we today? AAVMC Assembly Update, Sept. 28, 2021 (virtual).
9. **Lloyd, J.W.** Veterinary workforce issues: AAVMC strategy session. AAVMC Board of Directors Meeting, Washington, DC, Oct. 15, 2021.

CONSULTING PRESENTATIONS (since 2019 – cont'd)

10. **Lloyd, J.W.** Veterinary workforce issues: veterinarians, nurses/technicians, and specialists. AAVMC Board of Directors Meeting, Washington, DC, March 1, 2002.
11. **Lloyd, J.W.** Veterinary workforce analysis: veterinarians, nurses/technicians, and specialists. Cummings School of Veterinary Medicine at Tufts University - Board of Advisors Meeting, April 15, 2022 (virtual).
12. **Lloyd, J.W.** What Comes Next? It's all about the journey. SCAVMA/VBMA Annual End of Year Celebration, MSU-CVM, Lansing, MI, April 16, 2022.
13. **Lloyd, J.W.** Veterinary medicine at Arkansas State University: considerations for a new program. A-State Board of Trustees Retreat, Memphis, June 4, 2022.
14. **Lloyd, J.W.** Veterinary workforce analysis: veterinarians, nurses/technicians, and specialists. AAVSB Board of Directors, Beaufort, NC, June 10, 2022.
15. **Lloyd, J.W.** Enhancing the veterinary workforce: focus on the healthcare team. AAHA Board of Directors, June 14, 2022 (virtual).
16. **Lloyd, J.W.** and A. Steele. Where have all the veterinarians gone? Association for Animal Welfare Advancement, Spring Conference, Chicago, June 17, 2022.
17. **Lloyd, J.W.** and L. Greenhill. AAVMC admissions: analysis of the 2021 cycle. AAVMC Board of Directors Meeting, Philadelphia, July 29, 2022.
18. **Lloyd, J.W.** Veterinary workforce analysis: veterinarians, nurses/technicians, and specialists, Chief Medical Officer/Chief Veterinary Officer Meeting, Philadelphia, July 31, 2022.
19. **Lloyd, J.W.** Veterinary workforce analysis: veterinarians, nurses/technicians, and specialists. Colorado House of Representatives – Rep. Karen McCormick, Veterinary Mid-Level Professional Working Group Meeting, Aug. 9, 2022 (virtual).
20. **Lloyd, J.W.** Veterinary workforce analysis: current status and potential pathways forward. AAVSB Annual Meeting & Conference, Charlotte, September 17, 2022.
21. **Lloyd, J.W.** Veterinary workforce analysis: trends and current status. Veterinary Innovation Summit, Portland, OR, September 27, 2022.
22. Steele, A and **J.W. Lloyd**. Innovation to address our veterinary workforce crisis: why we need mid-level practitioners now. Veterinary Innovation Summit, Portland, OR, September 27, 2022.
23. **Lloyd, J.W.** Veterinary workforce analysis: a look at the past with an eye toward the future. The Ohio State Univ., College of Veterinary Medicine – All Faculty Meeting, Nov. 16, 2022.
24. Bober, M., M. Cushing, and **J.W. Lloyd**. Pet industry economic impact study, Pet Industry Leadership Summit 2023, Coral Gables, FL, January 31, 2023.
25. Greenhill, L.M. and **J.W. Lloyd**. AAVMC enrollment trends. AAVMC Board of Directors Meeting, Washington, DC, March 7, 2023.
26. **Lloyd, J.W.** and L.M. Greenhill. AAVMC academic workforce trends: a ten-year look. AAVMC Board of Directors Meeting, Washington, DC, March 7, 2023.
27. **Lloyd, J.W.** Veterinary workforce analysis: a look at the past with an eye toward the future, VetPartners Mid-Year Meeting, Denver, July 13, 2023.
28. **Lloyd, J.W.** Veterinary workforce analysis: post-covid update, AAVMC Community of Professional Competency Educators, September 7, 2023 (virtual).
29. **Lloyd, J.W.** Veterinary workforce analysis: a look at the past with an eye toward the future, Colorado Legislator Conference, Dumb Friends League, September 28, 2023 (virtual).
30. **Lloyd, J.W.** and D.L. Harris. Enhancing access to in-person pet healthcare: exploring market segmentation and innovative business models – project update. Veterinary Innovation Summit, Kansas City, October 11, 2023.
31. Knudson, W., S. Miller, and **J.W. Lloyd**. The economics of the U.S. pet food and pet supply industry, Global Pet Expo, Orlando, March 19, 2024.

PREVIOUS PROFESSIONAL EXPERIENCE (up until 2019)

Dean, College of Veterinary Medicine, University of Florida, 2013 to 2019
Professor, Department of Large Animal Clinical Sciences, University of Florida, 2013 to 2019
Affiliate Professor, Dept. of Food and Resource Economics, University of Florida, 2014 to 2019
Associate Dean for Budget, Planning, and Institutional Research, College of Veterinary Medicine, Michigan State University (MSU), 2007 to 2013
Director, Office of Strategy and Innovation, College of Veterinary Medicine, MSU, 2005 to 2007
Assistant to the Dean for Practice Management, College of Veterinary Medicine, MSU, 1998 to 2007
Adjunct Professor, Dept. of Management, Eli Broad College of Business, MSU, 2003 to 2013
Professor, Depts. of Large Animal Clinical Sciences and Agricultural, Food, and Resource Economics, MSU, 1999 to 2013
Associate Professor (with tenure), Depts. of Large Animal Clinical Sciences and Agricultural Economics, MSU, 1994 to 1999
Assistant Professor, Depts. of Lg. Anim. Clin. Sciences and Agric. Economics, MSU, 1988 to 1994
Research Assistant and Project Coordinator, Swine Health Information Management System, Depts. of Agricultural Economics and Large Animal Clinical Sciences, MSU, 1985 to 1988
Large Animal Resident/Instructor, Dept. of Large Animal Clinical Sciences, MSU, 1983 to 1985
Mixed Animal Veterinary Practitioner (65% food animal; 25% equine; 10% small animal), Clare Animal Hospital, Clare, Michigan (1982 to 1983)
Mixed Animal Veterinary Practitioner (85% food animal; 15% equine), Southkent Animal Hospital, Caledonia, Michigan (1981 to 1982)

CONSULTING AND LEADERSHIP EXPERIENCE (up until 2019)

1. Chair, external review of Department of Veterinary Clinical Sciences and Lloyd Veterinary Medical Center, College of Veterinary Medicine, Iowa State University, March 2013.
2. Facilitator, Strategic Planning Retreat, LGVMA, Las Vegas, Feb. 2013.
3. Facilitator, Partnership Meeting, SWVS, Dallas, Sept. 2012.
4. Facilitator, Strategic Planning Retreat, SWVS, Dallas, June 2012.
5. Facilitator, Strategic Planning Retreat, WVC Board of Directors, Las Vegas, Nov. 2011.
6. Developed draft business plan for Lloyd Veterinary Medical Center, College of Veterinary Medicine, Iowa State University, 2009.
7. External reviewer: self-funded DVM degree program proposal, College of Veterinary Medicine, University of Florida, 2009.
8. Facilitator, Strategic Planning Retreat, Michigan Veterinary Medical Association, DeWitt, Michigan, March 2007.
9. Facilitator, MSU Executive Leadership Academy, 2006-2007.
10. Facilitator, Strategic Planning Retreat, Department of Large Animal Clinical Sciences, Texas A&M University, College Station, January 2006.
11. Facilitator, Strategic Planning Retreats, SWVS. Dallas, November 2004; Little Rock, Feb. 2005; Albuquerque, June 2005; Dallas, June 2007.
12. Panelist, external review of the Department of Veterinary Clinical Medicine and the Veterinary Teaching Hospital, College of Veterinary Medicine, University of Illinois, November 2004.
13. Coordinator, CIC Veterinary Consortium, 2004 to 2006.
14. Panelist, project to define "Employment Opportunities for College Graduates in the Food and Agricultural Sciences," USDA-CSREES, 2004.
15. Developed and coordinated "Veterinary Practice Management Symposium," a workshop for veterinary practice management educators and consultants to define a core curriculum for veterinary practice management. Held at Michigan State University, East Lansing, Oct. 2001.
16. Project Leader, *Strategies to Increase the Skills, Knowledge, Aptitude and Attitude of Veterinarians*, National Commission on Veterinary Economic Issues, 2000 to 2009.

CONSULTING AND LEADERSHIP EXPERIENCE (up until 2019 – cont'd)

17. Co-coordinator (with W. Reed), development of a proposal to fund a new building for the Animal Health Diagnostic Laboratory at Michigan State University, 1999 and 2000. Ultimately, over \$50M was granted by the State of Michigan.
18. Advisor for AAVMC on a national study of the market for veterinarians and veterinary services (the “mega study”). This work was jointly funded by AVMA, AAHA, and AAVMC, and conducted by KPMG-Peat Marwick, Inc. in Washington, D.C., 1998 to 1999.
19. Collaborator, “Peer Review of Professional Service,” a national project funded by the W.K. Kellogg Foundation to develop methods for documenting the scholarship in faculty outreach programs, 1997 to 1999.
20. Developed, implemented, and coordinated the Practice-Based Ambulatory Program, Department of Large Animal Clinical Sciences, Michigan State University, 1994-99.
21. Co-author (with J.B. Kaneene) proposal to form NCR-168 Committee on Epidemiology and Economics of Animal Health Management. This proposal was approved for 1990-1992 (and extended to 2000) by the North Central Region Experiment Station directors.
22. Co-author (with J.B. Kaneene) proposal to create the *Population Medicine Center* at Michigan State University. The center was approved for 1989-1994 (and extended to present, now *Center for Comparative Epidemiology*), with a first-year budget of \$120,000.

HONORS AND AWARDS

Champion of Veterinary Medicine, Florida Veterinary Medical Association, 2019
President’s Medallion, University of Florida, 2019
Professor Emeritus, College of Veterinary Medicine, University of Florida, 2019
Lifetime Achievement Award, VetPartners, 2018
Professor Emeritus, College of Veterinary Medicine, Michigan State University, 2013
Senior Fellow, Outreach and Engagement, MSU, 2005 to 2013
Leadership Award, LGVMA, 2013
President’s Honor Roll, Michigan Veterinary Medical Association, 2006, 2007, 2008, 2009, 2011
Certificate of Appreciation, Assoc. of Vet. Practice Management Consultants and Advisors, 2004
Norden Teacher of the Year Award Finalist, CVM-MSU, 2003
Creativity in Teaching Award, Merck Agvet, 1995
State Team Award, Milk Quality Assurance Program, MSU Extension, 1993
Commendation (for Extension activity), Michigan Cattlemen's Association, 1992
The Honor Society of Phi Kappa Phi, MSU, 1985 to present
Phi Zeta, Honorary Veterinary Society, MSU, 1981 to present
Butler Award, voted by peers as "most likely to succeed" in large animal veterinary medicine, 1981
Honors College, MSU, 1975 to 1977

PROFESSIONAL SERVICE

Co-chair, DEI Committee, Michigan Veterinary Medical Association, 2021 to present
Board of Directors, Veterinary Innovation Council, 2016 to present
Board of Directors, Florida Veterinary Medical Association, 2013 to 2019
Veterinary Advisory Board, Blue Buffalo Company, Ltd., 2016 to 2018
Board of Directors, MSU Federal Credit Union, 2011-2013
Chair, Veterinary Teaching Hospital Director Search Committee, CVM-MSU, 2012 to 2013
Board of Directors, National Commission on Veterinary Economic Issues, 2010-2011
Supervisory Committee, MSU Federal Credit Union, 2009-2011
Strategic Planning Steering Committee, Assoc. of Am. Vet. Med. Colleges, 2008
Leadership Development Committee, MVMA, 2007-2013
Legislative Advisory Group, Assoc. of Am. Vet. Med. Colleges, 2007-2013

PROFESSIONAL SERVICE (cont'd)

Clinical Programs Committee, Assoc. of Am. Vet. Med. Colleges, 2007-2011
Leadership Development Committee, Assoc. of Am. Vet. Med. Colleges, 2007-2016
Executive Committee, Michigan Veterinary Medical Association, 2007 to 2011 –
 Second vice president, 2007; First vice president, 2008; President elect, 2009; **President**, 2010;
 Immediate past president, 2011
Coordinator, Outcomes Assessment Task Force, CVM-MSU, 2005 to 2013
Board of Directors, Michigan Veterinary Medical Association, 2004 to 2006
Futuring Design Team, CVM-MSU, 2003 to 2004
Board of Directors, Assoc. of Vet. Prac. Mgt. Consultants and Advisors, 2004 to 2010
Coordinator, Balanced Scorecard Development Team, Coll. of Veterinary Medicine, 2002 to 2006
Co-chair, Veterinary Teaching Hospital Director Search Committee, CVM-MSU, 2002 to 2003
Secretary, Veterinary Teaching Hospital Board, CVM-MSU, 2001 to 2010
Editorial Board, Journal of Veterinary Medical Education, 2000 to 2008
Chair, Equine Performance and Lameness Search Committee, Department of Large Animal Clinical Sciences, 2000 to 2001
Advisor, Veterinary Business Management Assoc., Michigan State University, 2000 to 2013
Survey Committee, Assoc. of American Veterinary Medical Colleges, 1999 to 2004
Analytical Epidemiologist Search Committee, Dept. of Lg. An. Clin. Sci., 1998 to 2000
Evaluating Quality Outreach Committee, Michigan State University, 1997 to 2000
Search Committee, Veterinary Specialist 13--Ruminant and Swine/Avian Species, Michigan Department of Agriculture, 1998
Acting Director, Population Medicine Center, College of Veterinary Medicine, January to July 1998
Chair, Faculty Advisory Committee, Dept. of Large Animal Clinical Sciences, 1997 to 1998
Computer Services Committee, Department of Agricultural Economics, 1996 to 1999
Faculty Advisory Committee, Dept. of Lg. An. Clin. Sci., 1996 to 1997, 2003 to 2005
Program Committee, Michigan Veterinary Conference, 1995 to 1997, 2000 to 2004
Preharvest Food Safety Committee, Michigan Department of Agriculture, 1995
Beef Production Medicine Search Committee, Dept. of Lg. An. Clin. Sci., 1995 to 1996
Coordinator, Practice-Based Ambulatory and Veterinary Preceptorship Program, Department of Large Animal Clinical Sciences, 1994 to 1999
Chair, Curriculum Committee, College of Veterinary Medicine, 1994 to 1997
Curriculum Committee, Department of Large Animal Clinical Sciences, 1993 to 1997
Vice-chair, Curriculum Committee, College of Veterinary Medicine, 1993 to 1994
Internal Management Committee, Michigan Center for Rural Health, 1992 to 1994
Post-Graduate Training Committee, Dept. of Large Animal Clin. Sci., 1991 to 1996
Lifelong Education Committee, College of Veterinary Medicine, 1991-94, 1995-97
Paratuberculosis Committee, Michigan Department of Agriculture, 1991 to 1994
Brucellosis Committee, Michigan Department of Agriculture, 1991
Bovine Spongiform Encephalopathy Committee, Michigan Dept. of Ag., 1990 to 1991
Production Medicine Search Committee, Dept. of Large Animal Clin. Sciences, 1990
Food Safety Task Force, Michigan Cooperative Extension Service, 1990 to 1995
Research and Extension Committee, Michigan Cattlemen's Association, 1990 to 1996
Food Animal Practice Committee, Michigan Veterinary Med. Assoc., 1990 to 2013
Beef Type of Farming Team, Michigan Agricultural Experiment Station, 1988 to 1991
Dairy Type of Farming Team, Michigan Agricultural Experiment Station, 1988 to 1991
Swine Type of Farming Team, Michigan Agricultural Experiment Station, 1988 to 1991
Search Committee, Veterinarian VIII--Food Safety, Michigan Dept. of Ag., 1990
Guidelines on Farm Animal Care Task Force, Michigan State University and Michigan Department of Agriculture 1989 to 1995

PROFESSIONAL MEMBERSHIPS

American Veterinary Medical Association
Michigan Veterinary Medical Association (president in 2010)
American Association of Bovine Practitioners
American Association of Equine Practitioners
VetPartners (formerly Association of Veterinary Practice Management Consultants and Advisors)
Veterinary Virtual Care Association

RESEARCH AND OTHER FUNDING – Principal and Co-Principal Investigator

1. **Lloyd, J.W.** Agricultural Integrated Management Software: Dairy health economics models. Source: Michigan AES and CES. Period: 1989-1991. Total grant: \$5000.
2. **Lloyd, J.W.**, M. Brown, J.B. Kaneene, and J. Staatz. Implementation of an animal health monitoring system in Honduras. Source: USAID. Period: 1990. Total grant: \$2200.
3. **Lloyd, J.W.**, J.B. Kaneene, and S.B. Harsh. Integration of information management, systems modeling, and computer simulation for health management in growing hogs. Source: CSRS/USDA Integrated Pest Management. Period: 1990-1993. Total grant: \$40,000.
4. Harsh, S.B., **J.W. Lloyd** (co-principal investigators), W. Moline, S.B. Nott, A. Rotz, C. Sniffen, and J.B. Kaneene. Financial evaluation of alternative production strategies for Michigan dairy farms. Source: Michigan Ag. Experiment Station. Period: 1990-1995. Total grant: \$72,805.
5. Lehenbauer, T., and **J.W. Lloyd** (co-principal investigators). Economic evaluation of alternatives to use of antibiotics in dairy cattle. Source: The Food Animal Production Medicine Consortium, Pew National Veterinary Education Program of the Pew Charitable Trust. Period: 1990-1991. Total grant: \$3500.
6. **Lloyd, J.W.**, H. Hickey, J.B. Kaneene, S.J. Levine, and D.C. Sawyer. Improving skills of Michigan veterinarians and livestock producers. Source: Assistant Provost for Lifelong Education, Michigan State University. Period: 1990-1992. Total grant: \$13,124.
7. **Lloyd, J.W.**, P.J. Hady, A.L. Skidmore, and J.B. Kaneene. Evaluation of dairy reproductive health indicators. Source: USDA Animal Health Formula Funds. Period: 1991-1992. Total grant: \$14,900.
8. Kaneene, J.B., **J.W. Lloyd**, and S.B. Smalley (co-principal investigators). Utilization of chemical residue information in Extension food safety education programs. Source: USDA/ES. Period: 1992-1996. Total grant: \$40,000.
9. **Lloyd, J.W.** Residue-free dairy products: Issues for Michigan veterinarians (a lifelong education opportunity for veterinarians held December 7, 1991 at Michigan State University--developed and coordinated). Sources and amounts: Michigan Milk Producers Association, \$300; Independent Milk Producer's Cooperative, \$250; CES Food Safety Task Force, \$130; MSD AgVet, \$120 (Total grant: \$800).
10. **Lloyd, J.W.** Stabilizing Michigan's rural economy by enhancing skills of veterinarians and dairy producers. Source: All-Univ. Outreach Grants. Period: 1994-1995. Total grant: \$15,000.
11. **Lloyd, J.W.**, S. Nott, and B. Bartlett. Can management-intensive grazing (MIG) enhance the sustainability of Michigan's dairy industry? Source: Michigan Animal Industry Initiative Research and Extension Funding. Period: 1995-1997. Total grant: \$44,000.
12. **Lloyd, J.W.** Lifelong education via internet for adjunct faculty in the Department of Large Animal Clinical Sciences. Source: All-University Outreach Grants. Period: 1996-1997. Total grant: \$7,500.
13. **Lloyd, J.W.** The importance of veterinary medicine to Michigan. Source: Michigan Veterinary Medical Association and College of Veterinary Medicine, Michigan State University. Period: 1998-1999. Total Grant: \$9,700.
14. **Lloyd, J.W.** Research prioritization and evaluation of strategic management in vet. practice management: Phase I. Source: Hill's Pet Nut., Inc. Period: 1999-2000. Total grant: \$23,000.

RESEARCH AND OTHER FUNDING – Principal and Co-Principal Investigator (cont'd)

15. **Lloyd, J.W.** Research prioritization and evaluation of strategic management in vet. practice management: Phase II. Source: Hill's Pet Nut., Inc. Period: 2000-2001. Total Grant: \$19,000.
16. **Lloyd, J.W.** Employment analysis of veterinary medical graduates, 2000. Source: American Veterinary Medical Association. Period: 2000-2001. Total Grant: \$2,500.
17. **Lloyd, J.W.,** and S.K. Abood. Co-faculty advisors for, "From School to Success: Shaping the Future of Your Veterinary Career," a SAVMA-sponsored forum for veterinary students from the Upper Mid-West held October 26-27, 2001 at Michigan State University. Source: 15+ corporate and non-profit sponsors. Total Budget: \$40,000.
18. **Lloyd, J.W.,** and D.R. Ilgen (co-principal investigators). Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs). Source: American Veterinary Medical Association. Period: 2002-2004. Total Grant: \$203,386.
19. **Lloyd, J.W.** Employment analysis of veterinary medical graduates, 2002. Source: American Veterinary Medical Association. Period: 2002-2003. Total Grant: \$2,500.
20. **Lloyd, J.W.** Faculty advisor for, "Investing in Your Future," a Veterinary Practice Builders Association - sponsored forum for veterinary students on financial management held October 11, 2003 at Michigan State University. Source: Merial, Hill's Pet Nutrition, Inc., and several other minor corporate and non-profit sponsors. Total Budget: \$8,212.
21. **Lloyd, J.W.** Faculty advisor for, "Improving the Economics of Veterinary Practice in Michigan - Expanding the Use of the NCVET Website" a Veterinary Practice Builders Assn. project, Source: AVMA (\$6,000) and MVMA (\$3,000). Period: 2004. Total Budget: \$9,000.
22. **Lloyd, J.W.,** C.A. Wolf, and J.R. Black. US consumer expenditures on pets and veterinarian services. Source: Merial. Period: 2007. Total Budget: \$10,000.
23. **Lloyd, J.W.,** and D.L. Harris. The current status of veterinary practice management and career development teaching in AAVMC colleges. Period: 2009. Sources: CareCredit and Merial. Total Budget: \$25,000 (\$12,500 each).
24. **Lloyd, J.W.,** and H.M. Chaddock. The AAVMC Leadership Academy. Period: 2013-2016. Source: Elanco. Total Budget: \$150,000.

RESEARCH AND OTHER FUNDING – Co-investigator

1. Giesy, J., B. Poppenga, B. Thacker, J. Patterson, J. Sikarskie, and **J. Lloyd**. Bioavailability of contaminants. Source: EPA. Period: 1989-1991. Total grant: \$126,908.
2. Kaneene, J.B., J.H. Jackson, M.T. Yokoyama, R.D. Walker, R. Holland, **J.W. Lloyd**. Epidemiological study of food safety concerns of E. coli 0157:H7. Source: USDA Animal Health Formula Funds. Period: 1990. Total grant: \$15,000.
3. Kaneene, J.B., K. Gallagher, and **J.W. Lloyd**. Development of a Michigan Equine Monitoring System. Source: Michigan Dept. of Agriculture. Period: 1990-1996. Total grant: \$400,862.
4. Rust, S., and **J. Lloyd**. Beef Safety and Quality Assurance Program. Sources and amounts: National Cattlemen's Association, \$2000; Michigan Beef Industry Commission, \$2500; CES Food Safety Task Force, \$4800. Winter 1991. Total grant: \$9300.
5. Kaneene, J.B., **J.W. Lloyd**, M. Hogberg, et al. An interdisciplinary educational program in the safety of foods of animal origin. Source: Pew National Veterinary Education Program of the Pew Charitable Trust. Period: 1990 to 1993. Total grant: \$132,000.
6. Sprecher, D.J., and **J.W. Lloyd**. Establishment of a problem-oriented, multidisciplinary, elective course in dairy production medicine. Source: Food Animal Production Medicine Consortium, Pew National Veterinary Educ. Program. Period: 1990-1991. Total grant: \$2400.
7. Skidmore, A.L., and **J.W. Lloyd**. Development of a clinical case computer simulation to teach responsible antibiotic use in dairy cattle. Source: The Food Animal Production Medicine Consortium, Pew National Veterinary Educ. Program. Period: 1991-1992. Total grant: \$9750.

RESEARCH AND OTHER FUNDING – Co-investigator (cont'd)

8. Tucker, H.A., A.L. Skidmore, M. VandeHaar, **J.W. Lloyd**, J. Ireland, R. Fogwell, and H. Ritchie. Cost-effective heifer rearing program. Source: Michigan Agricultural Experiment Station and The Upjohn Company. Period: 1993-1997. Total grant: \$199,000.
9. Kaneene, J.B., **J.W. Lloyd**, and R. Erskine. Is the dairy quality assurance program effective in reducing drug residues in milk? Source: USDA Animal Health Formula Funds. Period: 1993-1995. Total grant: \$15,000.
10. Johnson-Ifearulundu, Y.J., J.B. Kaneene, and **J.W. Lloyd**. The effect of subclinical Johne's disease on milk production. Source: BRSG. Period: 1993-1994. Total grant: \$3,500.
11. Baker, J.C., R.K. Maes, H. Houe, P. Ruegg, and **J.W. Lloyd**. Persistent infection with bovine viral diarrhoea virus (BVDV): Diagnosis, epidemiology, and control. Source: USDA Animal Health Formula Funds. Period: 1993-1994. Total grant: \$15,000.
12. Tucker, A., A. Skidmore, M. VandeHaar, **J.W. Lloyd**, R. Fogwell, D. Beede, H. Ritchie, and E.P. Stanisiewski. Lactation response of rapidly-grown heifers. Source: Michigan Animal Industry Initiative Research Funding. Period: 1995-1997. Total grant: \$45,000.
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2. **Lloyd, J.W.**, P.J. Hady and A.L. Skidmore. Dairy production and health management economics workshop, Module #2, Dairy Health Management Certificate Program, Michigan State University, Kettunen Center, Tustin, Michigan, April 16-17, 1993.
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17. **Lloyd, J.W.** Seminar 24: Looking forward to practice, American Association of Bovine Practitioners, Vancouver, September 13, 2001.
18. **Lloyd, J.W.**, and S.K. Abood. From school to success: shaping the future of your veterinary career, a SAVMA-sponsored forum for veterinary students from the Upper Mid-West, Michigan State University, East Lansing, October 26-27, 2001.
19. Heinrich, G., S.L. Frawley, and **J.W. Lloyd**. Zodiak: the game of business and finance strategy, College of Veterinary Medicine, Michigan State University, E. Lansing, February 9, 2002.
20. Heinrich, G., S.L. Frawley, and **J.W. Lloyd**. Zodiak: the game of business and finance strategy, College of Veterinary Medicine, Michigan State Univ., E. Lansing, February 16, 2002.
21. **Lloyd, J.W.** Veterinary career development and practice management model curriculum: workshop for veterinary practice management consultants and educators. Sponsored by the National Commission on Veterinary Economic Issues (NCVEI) Workgroup on Skills, Knowledge, Aptitudes, and Attitudes (SKAs), American Veterinary Medical Association Annual Meeting, Nashville, July 13, 2002.
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23. Dartt, B.A., **J.W. Lloyd**, M. Wustenberg, and S. Frawley. Seminar 6: Farm-level decision making -- economics for the dairy practitioner, American Association of Bovine Practitioners, Madison, Wisconsin, September 24-25, 2002.
24. **Lloyd, J.W.** Interviewing and contract negotiation, Veterinary Practice Builders Association, Michigan State University, College of Veterinary Medicine, October 22, 2002.
25. **Lloyd, J.W.**, S.K. Abood, and H.M. Abreu. Interview training and mentor workshop, Michigan State University, College of Veterinary Medicine, East Lansing, November 1, 2002.
26. Frawley, S.L., and **J.W. Lloyd**. Zodiak: the game of business and finance strategy, College of Veterinary Medicine, Michigan State University, E. Lansing, November 9, 2002.
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31. **Lloyd, J.W.**, and L.J. King. AAVMC Skills, Knowledge, Aptitudes, & Attitudes (SKAs) Colloquium, Des Moines, August 21-22, 2003.
32. **Lloyd, J.W.** Investing in your future, Veterinary Practice Builders Association (VPBA) special day-long seminar, sponsored by Merial and Hill's Pet Nutrition, Inc., Michigan State University, East Lansing, October 11, 2003.

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34. **Lloyd, J.W.** Challenges facing the veterinary teaching hospital: determining the future of clinical education in veterinary medicine. Sponsored by the Association of American Veterinary Medical Colleges, American Veterinary Medical Association Annual Meeting, Philadelphia, July 25, 2004.
35. **Lloyd, J.W.** Critical challenges facing the veterinary teaching hospital, Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, Virginia, September 14, 2004.
36. **Lloyd, J.W.** Benchmarking for the veterinary teaching hospital, NAVCA Annual Conference, College Station, Texas, September 29, 2004.
37. **Lloyd, J.W.** Critical challenges facing the veterinary teaching hospital, College of Veterinary Medicine, University of Tennessee, Knoxville, November 29-30, 2004.
38. **Lloyd, J.W.**, and R. Richardson. The role of teaching hospitals in veterinary medical education, AAVMC Annual Meeting, Washington DC, March 12, 2005.
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40. **Lloyd, J.W.** Teaching the non-technical skills, knowledge, aptitudes, and attitudes (SKAs): developing effective programs. Sponsored by the Association of American Veterinary Medical Colleges, American Veterinary Medical Assoc. Annual Meeting, Minneapolis, July 18, 2005.
41. Rubin, H., and **J.W. Lloyd**. Veterinary teaching hospital benchmarking workshop, National Commission on Veterinary Economic Issues, Schaumburg, Illinois, August 24, 2005.
42. Richardson, R., and **J.W. Lloyd**. New initiatives in college satellite teaching hospitals, AAVMC Annual Meeting, Washington DC, March 11, 2006.
43. **Lloyd, J.W.** Teaching the non-technical skills, knowledge, aptitudes, and attitudes (SKAs): veterinary leadership development programs. Sponsored by the Association of American Veterinary Medical Colleges, American Veterinary Medical Association Annual Meeting, Honolulu, July 15, 2006.
44. **Lloyd, J.W.** Diversity workshop. Nine States Veterinary Conference, St. Paul, Minnesota, August 25, 2006.
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51. Lowrie, P.M., **J.W. Lloyd**, W. Reed, and K.S. Davis. 2010 Iverson Bell regional summit: infusing diversity into the veterinary curriculum, School of Veterinary Medicine, Purdue University, West Lafayette, May 23, 2010.
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54. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2012-13: Session 2. Indianapolis, Indiana, September 28-29, 2012.

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56. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2013-14: Session 1. Lansing, Michigan, August 8-10, 2013.
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59. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2014-15: Session 1. East Lansing, Michigan, July 17-19, 2014.
60. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2014-15: Session 2. Indianapolis, Indiana, November 6-8, 2014.
61. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2014-15: Session 3. Washington, DC, March 11-12, 2015.
62. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2015-16: Session 1. East Lansing, Michigan, August 13-15, 2015.
63. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2014-15: Session 2. Indianapolis, Indiana, November 12-14, 2015.
64. **Lloyd, J.W.** and H.M. Chaddock. The Association of American Veterinary Medical Colleges Leadership Academy 2014-15: Session 3. Washington, DC, March 1-3, 2016.

SCIENTIFIC PRESENTATIONS – National and International

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3. **Lloyd, J.W.** Health management to enhance livestock profitability: Techniques of economic analysis. Section of Animal Health Economics, School of Veterinary Medicine, University of Pennsylvania, Kennett Square, March 10, 1988.
4. **Lloyd, J.W.** Economic issues of importance in livestock health management. International Programs, Veterinary Services, U.S. Department of Agriculture, Animal and Plant Health Inspection Service, Hyattsville, Maryland, June 17, 1988.
5. **Lloyd, J.W.** and S.B. Harsh. The Swine Health Information Management System. Livestock, Dairy, and Poultry Branch, U.S. Department of Agriculture, Economic Research Service, Washington, D.C., September 21, 1989.
6. Johnson R., J.B. Kaneene, and **J.W. Lloyd**. Standardization of a T lymphocyte colony assay for the culture of sheep lymphocytes, Conf. of Res. Workers in Animal Diseases, Chicago, November 1989.
7. Johnson, R., J.B. Kaneene, **J.W. Lloyd**, and Y. Bryant. Colony formation by lymphocytes from bovine leukemia virus infected sheep, CRWAD, Chicago, Nov. 1989.
8. Johnson, R., J.B. Kaneene, G. Loudon, **J.W. Lloyd**, and S. Stark. Experimental studies of bovine leukemia virus infection in sheep, CRWAD, Chicago, Nov. 1989.
9. Lafi, S.Q., J.B. Kaneene, and **J.W. Lloyd**. Economic analysis of repeat breeder cow syndrome and related diseases, Conf. of Res. Workers in Animal Diseases, Chicago, November 1989.
10. **Lloyd, J.W.** and J.B. Kaneene. Research activities in epidemiology and animal health economics at Michigan State University, NCR-168 Committee on Epidemiology and Economics of Animal Health Management, Brookings, South Dakota, October 1990.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

11. **Lloyd, J.W.**, J.B. Kaneene, and B.J. Thacker. The Swine Health Information Management System. I. System description and data analysis, Conf. of Res. Workers in Animal Diseases, Chicago, November 1990.
12. **Lloyd, J.W.**, S.B. Harsh, and J.B. Kaneene. The Swine Health Information Management System. II. An integrated decision support system for livestock health management, Conf. of Res. Workers in Animal Diseases, Chicago, November 1990.
13. Rook, J.S., and **J.W. Lloyd**. Multielement analysis of perinatal lamb livers. I. Relationships between element concentration and lamb age, Conf. of Res. Workers in Animal Diseases, Chicago, November 1990.
14. Rook, J.S., and **J.W. Lloyd**. Multielement analysis of perinatal lamb livers. II. Relationships between element concentration and cause of death, Conf. of Res. Workers in Animal Diseases, Chicago, November 1990.
15. Brown, M.I., **J.W. Lloyd**, J.B. Kaneene, and J. Staats. The feasibility of transferring an animal health monitoring system from the United States to Honduras, 6th International Symposium of Veterinary Epidemiology and Economics, Ottawa, Canada, August 12-16, 1991.
16. **Lloyd, J.W.** Research activities in epidemiology and animal health economics at Michigan State University, NCR-168 Committee on Epidemiology and Economics of Animal Health Management, Robert Allerton Conference Center, Monticello, Illinois, October 1991.
17. **Lloyd, J.W.**, P.J. Hady and S.B. Harsh. Development of an expert system to evaluate drug use in dairy production, Conf. of Res. Workers in Animal Diseases, Chicago, November 1991.
18. **Lloyd, J.W.**, J.B. Kaneene, and L.D. Lloyd. Michigan lifelong education interests in veterinary epidemiology and animal health economics, Conf. of Res. Workers in Animal Diseases, Chicago, November 1991.
19. Hady, P.J., **J.W. Lloyd**, and J.B. Kaneene. Evaluation of dairy reproductive health indicators, Conf. of Res. Workers in Animal Diseases, Chicago, November 1991.
20. Poppenga, R., T. Herdt, E. Braselton, J. Vickers, W. Bravo, A. Stachowski, and **J. Lloyd**. Serum mineral concentrations of domestic and South American alpacas, 35th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians, Louisville, Kentucky, October 31 -November 3, 1992.
21. Hady, P.J., and **J.W. Lloyd**. Economic analysis of reproductive efficiency in adult dairy cattle, Conf. of Res. Workers in Animal Diseases, Chicago, November 1992.
22. O'Brien, D.J., **J.W. Lloyd**, and J.B. Kaneene. A principal components analysis of factors critical to participation in veterinary lifelong education programs, Conf. of Res. Workers in Animal Diseases, Chicago, November 1992.
23. Marteniuk, J.V., C.L. Carleton, M.E. Shea, and **J.W. Lloyd**. Analysis of computerized equine reproductive records, Conf. of Res. Workers in Animal Diseases, Chicago, November 1992.
24. Montgomery, B.A., **J.W. Lloyd**, and A. Jensen. Use of a Markov chain model to evaluate alternative administrative policies for a veterinary school faculty, Conf. of Res. Workers in Animal Diseases, Chicago, November 1992.
25. **Lloyd, J.W.** Tissue residues and the Midwest dairy industry, FDA Tissue Residue Investigations and Strategies for Case Development Course, Lexington, Ky, August 16, 1993.
26. **Lloyd, J.W.**, and P.J. Hady. Partial budgeting as a dairy consultation tool. American Association of Bovine Practitioners, Albuquerque, New Mexico, September 19, 1993.
27. **Lloyd, J.W.**, and S.B. Harsh. Economic structure of the Michigan dairy industry, Conf. of Res. Workers in Animal Diseases, Chicago, November 1993.
28. **Lloyd, J.W.**, and J.B. Kaneene. Economic structure of the Michigan equine industry, Conf. of Res. Workers in Animal Diseases, Chicago, November 1993.
29. **Lloyd, J.W.**, S.B. Harsh, and J.B. Kaneene. Use of a computerized systems model to assess the economic benefits of feeding antibiotics to growing hogs, Conf. of Res. Workers in Animal Diseases, Chicago, November 1993.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

30. Domecq, J.J., A.L. Skidmore, J.B. Kaneene, and **J.W. Lloyd**. Validation of body condition scores with ultrasound measurements of subcutaneous fat of dairy cattle, 1994 Annual Meeting, American Dairy Science Assoc., Minneapolis, July 1994.
31. **Lloyd, J.W.** Dairy cattle lameness: epidemiology and economics, 131st Annual Meeting, American Veterinary Medical Association, San Francisco, July 1994.
32. **Lloyd, J.W.** Financial aspects of dairy farm expansion and improvement: The veterinarian's role. 79th Annual Convention, Wisc. Veterinary Medical Association, Madison, October 1994.
33. **Lloyd, J.W.**, J.S. Rook, E. Braselton, J. Shelle, and M.E. Shea. Multielement analysis of mare's milk: Relationships between element concentration and days from foaling, mare, mare parity, and fetal gender, Conf. of Res. Workers in Animal Diseases, Chicago, November 1994.
34. **Lloyd, J.W.**, B. Dartt, S.B. Harsh, J.B. Kaneene, and G.D. Schwab. Use of optimal control techniques to estimate system performance in growing hogs, Conf. of Res. Workers in Animal Diseases, Chicago, November 1994.
35. Marteniuk, J.V., C.L. Carleton, **J.W. Lloyd**, and M.E. Shea. Influence of fetal gender, sire, and month of breeding on gestation length in mid-Michigan standardbreds, 40th Annual American Association of Equine Practitioners Convention, Vancouver, December 1994.
36. Harsh, S.B., **J.W. Lloyd**, and A.S. Go. Model for financial evaluation of alternative production strategies for Michigan dairy farms, FACTs 95, Farm Animal Computer Technologies Conference, Orlando, March 1995.
37. Domecq, J.J., A.L. Skidmore, **J.W. Lloyd**, and J.B. Kaneene. Relationships between changes in body condition scores and 120 day milk yield, 1995 Annual Meeting, American Dairy Science Assoc., Cornell University, Ithaca, New York, June 1995.
38. Brady, C.M., **J.W. Lloyd**, and J.E. Shelle. A comparison of expenses on boarding, riding, and training stables in Michigan, 1995 Annual Meeting, American Animal Science Association, Orlando, July 1995.
39. **Lloyd, J.W.** Tissue residues and the Midwest dairy industry, FDA Tissue Residue Investigations and Strategies for Case Development Course, East Lansing, Michigan, August 21, 1995.
40. Tetens, J., F.J. Derksen, J.A. Stick, N.E. Robinson, **J.W. Lloyd**, C.E. Berney, and M.E. Shea. The efficacy of prosthetic laryngoplasty with and without bilateral ventriculocordecotomy as treatments for laryngeal hemiplegia in horses, American College of Veterinary Surgeons Annual Meeting, Chicago, October 1995.
41. Tetens, J., M.W. Ross, and **J.W. Lloyd**. Comparison of racing performance before and after conservative and surgical treatment of incomplete, midsagittal proximal phalanx fractures in standardbreds: 49 cases (1986-1992), American College of Veterinary Surgeons Annual Meeting, Chicago, October 1995.
42. Gibbons, S.N., J.B. Kaneene, **J.W. Lloyd**, and R.J. Erskine. An epidemiological study of risk factors associated with chemical residues in milk, Conf. of Res. Workers in Animal Diseases, Chicago, November 1995.
43. Dartt, B.A., **J.W. Lloyd**, and J.B. Kaneene. Evaluation of food animal practice-based ambulatory education, Conf. of Res. Workers in Animal Diseases, Chicago, November 1995.
44. **Lloyd, J.W.**, and J.B. Kaneene. Labor and expenses associated with health management in the Michigan equine industry, Conf. of Res. Workers in Animal Diseases, Chicago, Nov. 1995.
45. **Lloyd, J.W.**, and B.A. Dartt. The economics of intensive rotational grazing, Great Lakes Grazing Conference, Battle Creek, Michigan, February 20, 1996.
46. **Lloyd, J.W.** Economics of dairy production: the veterinarian's changing role, Pfizer Animal Health, Dairy Advisory Team, Kansas City, March 18, 1996.
47. **Lloyd, J.W.** The importance of dairy health management to economic efficiency and profitability, American Dairy Science Assoc. Annual Meeting, Corvallis, Oregon, July 1996.
48. **Lloyd, J.W.** Partial budgeting. In: Economic decision making for beginners, a workshop for non-economists, Amer. Soc. for Veterinary Epidemiology & Economics, Chicago, Nov. 1996.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

49. Dartt, B.A., **J.W. Lloyd**, J.B. Kaneene, and B.B. Bartlett. Can management-intensive grazing (MIG) enhance the sustainability of Michigan's dairy industry? Conf. of Res. Workers in Animal Diseases, Chicago, November 1996.
50. **Lloyd, J.W.**, Dartt, B.A., B.R. Radke, and J.B. Kaneene. The relationship between cull rate and financial performance on Michigan dairy farms, Conf. of Res. Workers in Animal Diseases, Chicago, November 1996.
51. **Lloyd, J.W.** The importance of dairy health management to profitability. Animal Nutrition of Central Wisconsin Annual Producer Meetings, Marshfield and Fond du Lac, Wisconsin, January 16-17, 1997.
52. **Lloyd, J.W.** The importance of dairy health management to economic efficiency and profitability, Colorado Farm Show Dairy Days, Greeley, January 29, 1997.
53. Radke, B.R., **J.W. Lloyd**, J. Wooldridge, and J.B. Kaneene. The effect of modeling unobserved effects as random or fixed in linear models, Conf. of Res. Workers in Animal Diseases, Chicago, November 1997.
54. Radke, B.R., **J.W. Lloyd**, J. Wooldridge, and J.B. Kaneene. Prediction of dairy animal culling prior to, or during, first lactation using estimated breeding values, Conf. of Res. Workers in Animal Diseases, Chicago, November 1997.
55. O'Brien, D.J., J.B. Kaneene, **J.W. Lloyd**, M.L. Neterer, R.W. Dunstan, J.M. Kruger, and R.W. Leader. Frequencies and characteristics of some selected canine cancers, Michigan, 1964-1994, Conf. of Res. Workers in Animal Diseases, Chicago, November 1997.
56. O'Brien, D.J., J.B. Kaneene, **J.W. Lloyd**, M.R. Rip, and R.W. Leader. Spatial and temporal distribution of selected canine cancers, Michigan, 1964-1994, Conf. of Res. Workers in Animal Diseases, Chicago, November 1997.
57. Sandmann, L., R. Church, **J.W. Lloyd**, W. Rauhe, and C. Rosaen. University outreach: The journey from service to scholarship, Sixth American Association for Higher Education Conference on Faculty Roles and Rewards, Orlando, February 1998.
58. Radke, B.R., **J.W. Lloyd**, and J.B. Kaneene. Prepartum Holstein heifer selection to maximize Michigan producer profit, Conf. of Res. Workers in Animal Diseases, Chicago, Nov.1998.
59. Dartt, B.A., **J.W. Lloyd**, and J.B. Kaneene. The importance of veterinary medicine to Michigan, Conf. of Res. Workers in Animal Diseases, Chicago, November 1998.
60. Gibbons-Burgener, S.N., J.B. Kaneene, **J.W. Lloyd**, and R.J. Erskine. Evaluation of the influence of the Milk and Dairy Quality Assurance Program on drug management practices of Michigan dairy farms, Conf. of Res. Workers in Animal Diseases, Chicago, November 1998.
61. O'Brien, D.J., J.B. Kaneene, A. Getis, **J.W. Lloyd**, and G.M Swanson. Spatial and temporal comparison of selected cancers in dogs and humans, Michigan, 1964-94, Conf. of Res. Workers in Animal Diseases, Chicago, November 1998.
62. **Lloyd, J.W.** Why is everyone milking more cows, and where does the veterinarian fit in? 136th Annual Meeting, American Veterinary Medical Association, New Orleans, July 1999.
63. **Lloyd, J.W.** Economics of culling and replacement in dairy production. 136th Annual Meeting, American Veterinary Medical Association, New Orleans, July 1999.
64. Gibbons-Burgener, S.N., J.B. Kaneene, J.F. Leykam, **J.W. Lloyd**, and R.J. Erskine. Evaluation of the reliability of assays used for on-farm detection of antibiotics in individual cow milk, Conf. of Res. Workers in Animal Diseases, Chicago, November 1999.
65. Sandmann, L., P.G. Foster-Fishman, **J.W. Lloyd**, and C. Rosaen. Managing critical partnership tensions to strengthen the scholarship of engagement, Eighth American Association for Higher Education Conference on Faculty Roles and Rewards, New Orleans, February 2000.
66. **Lloyd, J.W.** Veterinary practice management education in the AAVMC, Association of American Veterinary Medical Colleges Annual Meeting, Washington, D.C., March 19, 2000.
67. **Lloyd, J.W.** Veterinary practice management: teaching needs as viewed by consultants and teachers, Association of American Veterinary Medical Colleges Summer Meeting, 137th AVMA Annual Convention, Salt Lake City, July 22, 2000.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

68. **Lloyd, J.W.** Veterinary practice management education in the AAVMC *and* Veterinary practice management: teaching needs as viewed by consultants and teachers, Hill's Practice Management College Meeting, 137th AVMA Annual Convention, Salt Lake City, July 23, 2000.
69. **Lloyd, J.W.** Post-graduate economic success. Student Seminar (#18), American Association of Bovine Practitioners, Rapid City, South Dakota, September 19-20, 2000.
70. **Lloyd, J.W.** Veterinary practice management education in the AAVMC, Conf. of Res. Workers in Animal Diseases, Chicago, November 2000.
71. **Lloyd, J.W.** Veterinary practice management: teaching needs as viewed by consultants and teachers, Conf. of Res. Workers in Animal Diseases, Chicago, November 2000.
72. Dartt, B.A., **J.W. Lloyd**, and M.E. Shea. A computerized dairy herd inventory simulator, Conf. of Res. Workers in Animal Diseases, Chicago, November 2000.
73. **Lloyd, J.W.** Practice management in veterinary medical education, National Commission on Veterinary Economic Issues: Subgroup for Skills, Knowledge, and Aptitudes, Augusta, Michigan, December 5, 2000.
74. **Lloyd, J.W.** Veterinary practice management education, Association of Veterinary Practice Management Consultants and Advisors Meeting, Central Veterinary Conference, Kansas City, Missouri, August 25, 2001.
75. **Lloyd, J.W.**, D. Donovan, Y. Camara, D. Leeper, and R. Gross. Application of market research in veterinary practice management. I: client satisfaction. Conf. of Res. Workers in Animal Diseases, St. Louis, November 2001.
76. **Lloyd, J.W.**, D. Donovan, Y. Camara, D. Leeper, and R. Gross. Application of market research in veterinary practice management. II: satisfaction of referring veterinarians. Conf. of Res. Workers in Animal Diseases, St. Louis, November 2001.
77. **Lloyd, J.W.** Veterinary career development: template for a model curriculum, Association of Veterinary Practice Management Consultants and Advisors First Annual Meeting, Western Veterinary Conference, Las Vegas, February 10, 2002.
78. **Lloyd, J.W.**, and L.J. King. Skills, knowledge, aptitudes, and attitudes of successful veterinarians, and Veterinary career development: template for a model curriculum, Association of American Veterinary Medical Colleges Annual Meeting, Washington, D.C., March 10, 2002.
79. **Lloyd, J.W.** Skills, knowledge, aptitudes, and attitudes of successful veterinarians, NCVEI Forum, American Veterinary Medical Association Annual Meeting, Nashville, July 15, 2002.
80. **Lloyd, J.W.** Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs) – progress report, NCVEI Board Meeting, American Veterinary Medical Association Annual Meeting, Nashville, July 16, 2002.
81. **Lloyd, J.W.** Improving the skills, knowledge, aptitudes, and attitudes (SKAs) of the veterinary profession: project update, National Workshop on Core Competencies for Success in the Veterinary Profession, Indianapolis, August 23, 2002.
82. **Lloyd, J.W.** Improving the skills, knowledge, aptitudes, and attitudes (SKAs) of the veterinary profession: project update, Food Animal Educators Breakfast, American Association of Bovine Practitioners Annual Meeting, Madison, Wisconsin, September 28, 2002.
83. **Lloyd, J.W.** Recent economic trends and related developments in the veterinary profession, North American Veterinary College Administrators Annual Conference, East Lansing, Michigan, October 8, 2002.
84. **Lloyd, J.W.** Recent economic trends and related developments in the veterinary profession, Veterinary Practice Management Club, University of Missouri, Columbia, December 11, 2002.
85. **Lloyd, J.W.** Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs) – progress report, NCVEI Board Meeting, Western Veterinary Conference, Las Vegas, February 18, 2003.
86. **Lloyd, J.W.** Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs), Association of American Veterinary Medical Colleges Annual Meeting, Washington, D.C., March 10, 2003.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

87. **Lloyd, J.W.** and L.J. King. SKA Updates, NCVEI Forum, American Veterinary Medical Association Annual Meeting, Denver, July 21, 2003.
88. Johnson, M. D., C. Meyer, F.P. Morgeson, **J.W. Lloyd**, D.R. Ilgen, and M. Marrinan. Examining differences in identification of professionals across multiple targets. Interactive paper session of the 62nd Annual Meeting of the Academy of Management, Seattle, Aug. 2003.
89. Ilgen, D.R., **J.W. Lloyd**, F.P. Morgeson, M.D. Johnson, C.J. Meyer, and M. Marrinan. Veterinary medicine careers: views of veterinarians and college students, AAVMC Skills, Knowledge, Aptitudes, & Attitudes (SKAs) Colloquium, Des Moines, August 21-22, 2003.
90. **Lloyd, J.W.**, and D. Harris. The veterinary teaching hospital business model, AAVMC Skills, Knowledge, Aptitudes, & Attitudes (SKAs) Colloquium, Des Moines, August 21-22, 2003.
91. **Lloyd, J.W.** Skills, knowledge, aptitudes, and attitudes update: applicant pool, leadership, and the VTH business model, NAVCA Annual Conference, Ithaca, New York, September 24, 2003.
92. **Lloyd, J.W.** Skills, knowledge, aptitudes, and attitudes update, Banfield Corporate Headquarters, Portland, Oregon, October 20, 2003.
93. **Lloyd, J.W.** Skills, knowledge, aptitudes, and attitudes update, NCVEI Board, Schaumburg, Illinois, October 27, 2003.
94. Ilgen, D.R., **J.W. Lloyd**, F.P. Morgeson, M.D. Johnson, C.J. Meyer, and M. Marrinan. Evaluation of the veterinary school applicant pool: personal characteristics, knowledge of the veterinary profession, and influences on career choice, Conf. of Res. Workers in Animal Diseases, Chicago, November 10, 2003.
95. Harris, D.L., and **J.W. Lloyd**. Development of a veterinary teaching hospital business model, Conf. of Res. Workers in Animal Diseases, Chicago, November 10, 2003.
96. **Lloyd, J.W.** How the NCVEI is making the veterinary profession stronger, Mississippi Veterinary Medical Association Annual Meeting, Mississippi State, February 28, 2004.
97. **Lloyd, J.W.** The veterinary teaching hospital business model, American Association of Veterinary Clinicians Annual Meeting, Atlanta, March 25, 2004.
98. **Lloyd, J.W.**, D.L. Harris, and M. Marrinan. The veterinary teaching hospital business model, American Veterinary Medical Association Annual Meeting, Philadelphia, July 25, 2004.
99. **Lloyd, J.W.** Improving skills, knowledge, aptitudes, and attitudes (SKAs): project update, American Veterinary Medical Association Annual Meeting, Philadelphia, July 26, 2004.
100. **Lloyd, J.W.** The PDI study: non-technical competencies underlying career success as a veterinarian, Association of Veterinary Practice Management Consultants and Advisors Meeting, Central Veterinary Conference, Kansas City, August 26, 2004.
101. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, Association of Veterinary Practice Management Consultants and Advisors Meeting, Central Veterinary Conference, Kansas City, August 27, 2004.
102. **Lloyd, J.W.** The veterinary teaching hospital business model, Virginia-Maryland Regional College of Veterinary Medicine, Blacksburg, Virginia, September 14, 2004.
103. **Lloyd, J.W.** NCVEI and the VMA: benefits and strategies, Twelve States Leadership Forum, Branson, Missouri, September 17, 2004.
104. **Lloyd, J.W.** Update on the veterinary teaching hospital business model, NAVCA Annual Conference, College Station, Texas, September 29, 2004.
105. **Lloyd, J.W.** Improving skills, knowledge, aptitudes, and attitudes (SKAs): project update, NCVEI Board, Schaumburg, Illinois, November 8, 2004.
106. **Lloyd, J.W.** SKA Programs at the North American Colleges/Schools of Veterinary Medicine, NCVEI Board, Schaumburg, Illinois, February 16, 2005.
107. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, AAVMC Annual Meeting, Washington DC, March 12, 2005.
108. **Lloyd, J.W.** KPMG: AAVMC colleges respond, AAVMC Annual Meeting, Washington DC, March 14, 2005.

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109. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, AAVC Annual Meeting, Atlanta, March 31, 2005.
110. **Lloyd, J.W.** Future of veterinary teaching hospitals – reflections from the NCVET, AAVC Forum held in conjunction with the ACVIM Annual Conference, Baltimore, June 1, 2005.
111. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, American Veterinary Medical Association Annual Meeting, Minneapolis, July 17, 2005.
112. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, University of Minnesota, July 20, 2005.
113. **Lloyd, J.W.** Veterinary leadership development, College of Veterinary Medicine, University of Minnesota, July 20, 2005.
114. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, University of Minnesota, July 20, 2005.
115. **Lloyd, J.W.** The mega study: AAVMC colleges respond, Association of Veterinary Practice Management Consultants and Advisors Meeting, Central Veterinary Conference, Kansas City, August 25, 2005.
116. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, Association of Veterinary Practice Management Consultants and Advisors Meeting, Central Veterinary Conference, Kansas City, August 25, 2005.
117. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, College of Veterinary Medicine, University of Missouri-Columbia, August 31, 2005.
118. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, University of Missouri-Columbia, August 31, 2005.
119. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, University of Missouri-Columbia, September 1, 2005.
120. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, College of Veterinary Medicine, Univ. of Missouri-Columbia, September 1, 2005.
121. **Lloyd, J.W.** Improving self-esteem in new graduates: can SKA programs help? College of Veterinary Medicine, University of Missouri-Columbia, September 1, 2005.
122. **Lloyd, J.W.** The continuing evolution of the veterinary teaching hospital, NAVCA Annual Conference, Davis, California, September 22, 2005.
123. **Lloyd, J.W.** Benchmarking for the veterinary teaching hospital, NAVCA Annual Conference, Davis, California, September 22, 2005.
124. **Lloyd, J.W.** Veterinary leadership development, AABP Board of Directors, Salt Lake City, September 23, 2005.
125. **Lloyd, J.W.** Veterinary leadership development, College of Veterinary Medicine, University of Florida, September 26, 2005.
126. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, Univ. of Florida, September 27, 2005.
127. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, College of Veterinary Medicine, University of Florida, September 27, 2005.
128. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, University of Florida, September 27, 2005.
129. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, College of Veterinary Medicine, University of Florida, September 27, 2005.
130. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, Coll. of Veterinary Medicine, Kansas State Univ., September 30, 2005.
131. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, College of Veterinary Medicine, Kansas State University, September 30, 2005.
132. **Lloyd, J.W.** Veterinary leadership development, College of Veterinary Medicine, Kansas State University, September 30, 2005.

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133. **Lloyd, J.W.** The evolution of the veterinary teaching hospital, College of Veterinary Medicine, The Ohio State University, October 10, 2005.
134. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, Veterinary Business Management Association, College of Veterinary Medicine, The Ohio State University, October 10, 2005.
135. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, The Ohio State University, October 11, 2005.
136. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, Faculty Seminar, College of Veterinary Medicine, The Ohio State University, October 11, 2005.
137. **Lloyd, J.W.** SKA campus visits update, NCVEI Board, Schaumburg, Illinois, Oct. 17, 2005.
138. **Lloyd, J.W.** Benchmarking for the veterinary teaching hospital – project update, NCVEI Board, Schaumburg, Illinois, October 17, 2005.
139. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, College of Veterinary Medicine, Texas A&M University, October 27, 2005.
140. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, Texas A&M University, October 27, 2005.
141. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, Texas A&M University, Oct. 27, 2005.
142. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, Texas A&M University, October 27, 2005.
143. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, School of Veterinary Medicine, University of Wisconsin-Madison, November 1, 2005.
144. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, School of Veterinary Medicine, University of Wisconsin-Madison, November 1, 2005.
145. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, School of Veterinary Medicine, University of Wisconsin-Madison, Nov. 1, 2005.
146. **Lloyd, J.W.** Leadership issues in veterinary medicine, College of Veterinary Medicine, North Carolina State University, November 8, 2005.
147. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, North Carolina State University, November 8, 2005.
148. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, North Carolina State University, November 8, 2005.
149. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, North Carolina State University, November 9, 2005.
150. **Lloyd, J.W.** Veterinary professional development and career success: template for a model curriculum, College of Veterinary Medicine, North Carolina State University, November 9, 2005.
151. **Lloyd, J.W.** Leadership issues in veterinary medicine, College of Veterinary Medicine, Oklahoma State University, November 18, 2005.
152. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, Oklahoma State University, November 19, 2005.
153. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, Oklahoma State University, November 19, 2005.
154. **Lloyd, J.W.** Curricular and co-curricular strategies for enhancing the SKAs, College of Veterinary Medicine, Oklahoma State University, November 19, 2005.
155. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, Iowa State University, December 6, 2005.

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156. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, Iowa State University, December 7, 2005.
157. **Lloyd, J.W.** Leadership issues in veterinary medicine, College of Veterinary Medicine, Iowa State University, December 7, 2005.
158. **Lloyd, J.W.** Curricular and co-curricular strategies for enhancing the SKAs, College of Veterinary Medicine, Iowa State University, December 7, 2005.
159. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, Iowa State University, December 7, 2005.
160. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, University of Georgia, February 3, 2006.
161. **Lloyd, J.W.** Curricular and co-curricular strategies for enhancing the SKAs, College of Veterinary Medicine, University of Georgia, February 3, 2006.
162. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, University of Georgia, February 3, 2006.
163. **Lloyd, J.W.** SKA update, NCVEI Board, Schaumburg, Illinois, February 15, 2006.
164. **Lloyd, J.W.** MSU-CVM affiliated satellite practice: program considerations, AAVMC Annual Meeting, Washington DC, March 11, 2006.
165. **Lloyd, J.W.** Veterinary teaching hospital benchmarking update, AAVC Annual Meeting, Atlanta, March 30, 2006.
166. **Lloyd, J.W.** Curricular and co-curricular strategies for enhancing the SKAs, College of Veterinary Medicine, Louisiana State University, May 16, 2006.
167. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, College of Veterinary Medicine, Louisiana State University, May 16, 2006.
168. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, Louisiana State University, May 16, 2006.
169. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, Louisiana State University, May 17, 2006.
170. **Lloyd, J.W.** The veterinary teaching hospital business model, College of Veterinary Medicine, Colorado State University, May 18, 2006.
171. **Lloyd, J.W.** Enhancing the SKAs through recruitment and admissions, College of Veterinary Medicine, Colorado State University, May 18, 2006.
172. **Lloyd, J.W.** Curricular and co-curricular strategies for enhancing the SKAs, College of Veterinary Medicine, Colorado State University, May 18, 2006.
173. **Lloyd, J.W.** Leadership issues in veterinary medicine, College of Veterinary Medicine, Colorado State University, May 18, 2006.
174. **Lloyd, J.W.** The NCVEI veterinary leadership study, American Veterinary Medical Association Annual Meeting, Honolulu, July 15, 2006.
175. **Lloyd, J.W.** Veterinary leadership development programs, American Veterinary Medical Association Annual Meeting, Honolulu, July 15, 2006.
176. **Lloyd, J.W.** Non-technical competencies required for success in public practice, American Veterinary Medical Association Annual Meeting, Honolulu, July 16, 2006.
177. **Lloyd, J.W.** Rising to the challenge: evolution of the veterinary teaching hospital, Nine States Veterinary Conference, St. Paul, Minnesota, August 25, 2006.
178. **Lloyd, J.W.** Leadership issues in veterinary medicine, Nine States Veterinary Conference, St. Paul, Minnesota, August 26, 2006.
179. **Lloyd, J.W.** Enhancing non-technical SKAs in the veterinary profession: NCVEI initiative update, NCVEI Board, Schaumburg, Illinois, October 10, 2006.
180. **Lloyd, J.W.** VTH benchmarking project update, AAVC Annual Meeting, Washington, DC, March 2, 2007.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

181. **Lloyd, J.W.** NCVEI benchmarking: pilot project update, NAVCA Annual Meeting, Guelph, Ontario, Canada, October 3, 2007.
182. **Lloyd, J.W.** Enhancing non-technical SKAs in the veterinary profession, NCVEI Board, Schaumburg, Illinois, October 9, 2007.
183. **Lloyd, J.W.** Improving non-technical skills, knowledge, aptitudes, and attitudes (SKAs) in the veterinary profession, Department of Veterinary and Biomedical Sciences, University of Nebraska–Lincoln, December 19, 2007.
184. **Lloyd, J.W.** NCVEI benchmarking: pilot project update, AAVMC Annual Meeting, Washington, DC, March 16, 2008.
185. **Lloyd, J.W.** Balanced scorecard I: Fundamentals of monitoring your veterinary practice, AAHA Annual Conference, Tampa, March 28, 2008.
186. **Lloyd, J.W.** Balanced scorecard II: Defining key metrics to monitor your veterinary, AAHA Annual Conference, Tampa, March 28, 2008.
187. **Lloyd, J.W.** Balanced scorecard III: Using the data to drive the implementation of strategy, AAHA Annual Conference, Tampa, March 28, 2008.
188. **Lloyd, J.W.** NCVEI benchmarking: project update, AAVC Annual Meeting, Atlanta, April 3, 2008.
189. **Lloyd, J.W.** VTH benchmarking: NCVEI project update, American Veterinary Medical Association Annual Meeting, New Orleans, July 19, 2008.
190. **Lloyd, J.W.** VTH benchmarking: NCVEI project update and discussion, NAVCA Annual Meeting, Knoxville, Tennessee, September 16, 2008.
191. **Lloyd, J.W.** Funding trends in veterinary medical education: drivers of veterinary teaching hospital evolution, College of Veterinary Medicine, Iowa State University, Ames, April 23, 2009.
192. **Lloyd, J.W.** Lloyd Veterinary Medical Center business planning, College of Veterinary Medicine, Iowa State University, Ames, June 29, 2009.
193. **Lloyd, J.W.** The MSU-CVM veterinary education model: a non-tracking approach, North American Veterinary Medical Education Consortium, Kansas City, April 29, 2010.
194. **Lloyd, J.W.** Non-technical SKAs: drivers of professional success, North American Veterinary Medical Education Consortium, Kansas City, April 30, 2010.
195. **Lloyd, J.W.** Why this matters: what do we know and how will we know we've made a difference? 2010 Iverson Bell Regional Summit: Infusing Diversity into the Veterinary Curriculum, School of Veterinary Medicine, Purdue University, West Lafayette, May 23, 2010.
196. **Lloyd, J.W.** and D.L. Harris. Veterinary practice management and career development education: impact of the mega-study and NCVEI. VetPartners Mid-Year Meeting, Kansas City, August 26, 2010.
197. Lowrie, P., S. Amass, K. Davis, H. Green, and **J. Lloyd**. Infusing diversity into the curriculum through inter-institutional collaboration: doing inclusive work on the system. AAVMC Annual Meeting, Alexandria, VA, March 12, 2011.
198. **Lloyd, J.W.** Infusing cultural and diversity knowledge into the curriculum: a goal for success in life and business, Regional Veterinary Medical Education Conference, College of Veterinary Medicine, Iowa State University, Ames, June 13, 2011.
199. **Lloyd, J.W.** Providing veterinary education: a financial perspective, AAVMC Annual Deans' Conference, Naples, FL, January 13, 2012.
200. **Lloyd, J.W.** Financing veterinary education: student loan repayment strategies, AAVMC Board of Directors and AAVMC-AVMA Joint Economic Summit #2, Alexandria, VA, March 8, 2012.
201. **Lloyd, J.W.** Providing veterinary education: a financial perspective, Admissions Workshop, AAVMC Annual Conference, Alexandria, VA, March 10, 2012.
202. **Lloyd, J.W.** Distributive plus model with private practitioners as adjunct faculty members, AAVMC Annual Conference, Alexandria, VA, March 11, 2012.

SCIENTIFIC PRESENTATIONS – National and International (cont'd)

203. Greenhill, L., P. Carmichael, and **J.W. Lloyd**. National climate survey results, 2012 Iverson Bell Regional Summit: Infusing Diversity into Veterinary Medical Education, College of Veterinary Medicine, Michigan State University, East Lansing, May 19, 2012.
204. **Lloyd, J.W.** Providing veterinary education: a financial perspective, Faculty Seminar, College of Veterinary Medicine, The Ohio State University, Columbus, May 24, 2012.
205. **Lloyd, J.W.** You made the right choice, Student Townhall Meeting, College of Veterinary Medicine, The Ohio State University, Columbus, May 24, 2012.
206. **Lloyd, J.W.** Providing veterinary education: a financial perspective, VetPartners Mid-Year Meeting, Kansas City, August 24, 2012.
207. **Lloyd, J.W.** Providing veterinary education: an economist's perspective, College of Veterinary Medicine, Cornell University, November 9, 2012.
208. **Lloyd, J.W.** Financial planning for veterinary medical students, College of Veterinary Medicine, Cornell University, November 10, 2012.
209. Lowrie, P., K. Davis, H. Green, C. Patterson, and **J. Lloyd**. 2012 Iverson Bell Regional Summit: Infusing diversity into veterinary medical education. AAVMC Annual Meeting, Alexandria, VA, March 8, 2013.
210. **Lloyd, J.W.** How will we know we've made a difference? 2014 Iverson Bell Regional Summit: Infusing Diversity into Veterinary Medical Education, College of Veterinary Medicine, Purdue University, West Lafayette, June 1, 2014.
211. **Lloyd, J.W.** The market for veterinary medical education: a college of veterinary medicine economist's perspective, AVMA Economics Summit, Schaumburg, Illinois, Oct. 21, 2015.
212. **Lloyd, J.W.** Market segmentation: obligation, opportunity, or both? American Society of Veterinary Medical Association Executives (ASVMAE) ThinkWORKS, Denver, April 8, 2016.
213. **Lloyd, J.W.** Market segmentation: obligation, opportunity, or both? Veterinary Innovation Council, NAVC, Orlando, February 7, 2017.
214. **Lloyd, J.W.** Market segmentation: obligation, opportunity, or both? VetPartners, Indianapolis, July 20, 2017.
215. **Lloyd, J.W.** Market segmentation: obligation, opportunity, or both? Veterinary Advisory Board, Blue Buffalo, Savannah, Georgia, October 30, 2017.
216. **Lloyd, J.W.** Market segmentation: obligation, opportunity, or both? Association of American Veterinary Medical Colleges, Naples, Florida, February 2, 2018.
217. **Lloyd, J.W.** Leadership development: a lifetime journey. VMX, Orlando, February 6, 2018.
218. **Lloyd, J.W.** Training the next generation of graduates – commentary, Veterinary Innovation Summit, Texas A&M University, College Station, April 8, 2018.
219. **Lloyd, J.W.** Market analysis: critical trends driving demand for animal health, Animal Health Innovation, Latin America: Business Development and Partnering, Kisaco Research, Sao Paulo, May 30, 2018.

SCIENTIFIC PRESENTATIONS – State and Local

1. **Lloyd, J.W.** The Swine Health Information Management System (SHIMS): An overview. 64th Annual Postgraduate Conference for Veterinarians and Veterinary Technicians, Michigan State University, East Lansing, January 20-21, 1987.
2. **Lloyd, J.W.** The MSU Swine Record System: Description and suggested applications. 65th Annual Postgraduate Conference for Veterinarians and Veterinary Technicians, Michigan State University, East Lansing, January 26-27, 1988.
3. **Lloyd, J.W.** Food safety research at Michigan State University. Executive Dairy Seminar, Michigan State University, Agricultural Experiment Station, East Lansing, December 21, 1989.
4. **Lloyd, J.W.** Food safety activities at Michigan State University. 46th Annual Dairy Industry Conference, Michigan Department of Agric., Mich. State Univ., E. Lansing, April 10, 1990.

SCIENTIFIC PRESENTATIONS – State and Local (cont'd)

5. **Lloyd, J.W.** Economic analysis: When is a problem a problem? Dairy Production Medicine: Reproduction and Performance, Michigan State University Lifelong Education Program, Kellogg Biological Station, Hickory Corners, Michigan, December 12-14, 1990.
6. **Lloyd, J.W.** Drug residues and the Michigan dairy industry. Osceola County Annual DHIA Banquet, Marion, Michigan, January 15, 1991.
7. **Lloyd, J.W.** Economic analysis of dairy health management. Annual Producer Meeting, Animal Health Associates, Mt. Pleasant, Michigan, February 20, 1991.
8. **Lloyd, J.W.** Animal care issues in the feedlot. Beef Safety and Quality Assurance: Creating a Positive Image in the 1990's, Michigan Cooperative Extension Service, March 12-14, 1991.
9. **Lloyd, J.W.** Proper handling and injection techniques for veterinary biologicals and pharmaceuticals. Michigan Beef Expo, Mason, Michigan, April 5, 1991.
10. **Lloyd, J.W.** Economic considerations. Feed Safety and Quality Assurance Seminar, Michigan Department of Agriculture, July 30-August 1, 1991.
11. **Lloyd, J.W.** Milk and Dairy Beef Residue Prevention Protocol (10-Point Checklist), Dairy Quality Assurance Program, Michigan Cooperative Extension Service, March 30-April 3, 1992.
12. **Lloyd, J.W.** Review of 10-Point Quality Assurance Program. 49th Annual Dairy Industry Conference, Michigan Department of Agriculture, Lansing, April 21, 1992.
13. **Lloyd, J.W.** Milk and Dairy Beef Residue Prevention Protocol (10-Point Checklist). Operation Synergism, Michigan State University, Department of Agricultural and Extension Education and Cooperative Extension Service, East Lansing, September 24, 1992.
14. **Lloyd, J.W.** Quality Assurance Programs. Extension School, Michigan State University, Department of Agricultural and Extension Education and Cooperative Extension Service, East Lansing, October 22, 1992.
15. **Lloyd, J.W.** Quality Assurance Program Update. Mecosta County Annual DHIA Banquet, Mecosta, Michigan, January 20, 1994.
16. **Lloyd, J.W.** Update on the Milk and Dairy Beef Quality Assurance Program, Food Safety and Quality Assurance Module, Dairy Health Management Certificate Program, Michigan State University, Augusta, Michigan, January 21, 1994.
17. **Lloyd, J.W.**, and G.D. Schwab. Should I consider contracting services? 1994 Dairy Management Conference, Michigan State University Extension, Lansing, March 1-2, 1994.
18. **Lloyd, J.W.** Assessing the economic benefit of reproductive interventions on dairy farms, Reproduction Module, Dairy Health Management Certificate Program, Michigan State University, Hickory Corners, Michigan, March 6, 1994.
19. Radke, B.R., and **J.W. Lloyd**. The economic aspects of culling decisions, Heifer Management, Planned Parenthood, and Culling Module, Dairy Health Management Certificate Program, Michigan State University, Kettunen Center, Tustin, Michigan, September 11, 1994.
20. Dartt, B.A., **J.W. Lloyd**, and J.B. Kaneene. Evaluation of food animal practice-based ambulatory education, 5th Annual Phi Zeta Research Day, Michigan State University, College of Veterinary Medicine, October 5, 1994.
21. **Lloyd, J.W.** Epidemiology and economics of lameness in dairy cattle. 1995 Michigan Veterinary Conference, Lansing, January 26-29, 1995.
22. **Lloyd, J.W.**, and B.A. Dartt. Practice-based ambulatory at Michigan State University. 1995 Michigan Veterinary Conference, Lansing, January 26-29, 1995.
23. **Lloyd, J.W.** Enhancing financial management in the Michigan dairy industry. Thumb Veterinary Medical Association, Sandusky, Michigan, February 9, 1995.
24. **Lloyd, J.W.** What's new with the Milk and Dairy Beef Quality Assurance Program in Michigan? Michigan State University Extension, Cadillac, Michigan, July 25, 1995.
25. Tetens, J., F.J. Derksen, J.A. Stick, N.E. Robinson, **J.W. Lloyd**, C.E. Berney, and M.E. Shea. The efficacy of prosthetic laryngoplasty with and without bilateral ventriculocordecotomy as treatments for laryngeal hemiplegia in horses, 6th Annual Phi Zeta Research Day, Michigan State University, College of Veterinary Medicine, October 3, 1995.

SCIENTIFIC PRESENTATIONS – State and Local (cont'd)

26. Gibbons, S.N., J.B. Kaneene, and **J.W. Lloyd**. Chemical residues in U.S. beef: patterns of occurrence, 6th Annual Phi Zeta Research Day, Michigan State University, College of Veterinary Medicine, October 3, 1995.
27. **Lloyd, J.W.**, and B.A. Dartt. The economics of intensive rotational grazing, Central Michigan Family Ag Day, Michigan State University Extension, Lake Odessa, Michigan, Jan. 20, 1996.
28. **Lloyd, J.W.** Give me the bottom line. Do production and profitability intersect? 1996 Michigan Veterinary Conference, Lansing, January 25-28, 1996.
29. **Lloyd, J.W.** Health management to improve profits. Semi-annual Dairy Producer Meeting, The Veterinary Standard, Manchester, Michigan, April 8, 1996.
30. Dartt, B.A., and **J.W. Lloyd**. Grazing your dairy herd: How profitable is it? Michigan Agriculture Mega-Conference, Lansing, January 9, 1997.
31. **Lloyd, J.W.** Why is everyone milking more cows, and where does the veterinarian fit in? 1997 Michigan Veterinary Conference, Lansing, January 23-26, 1997.
32. **Lloyd, J.W.** The importance of dairy health management to profitability. Mecosta County Annual DHIA Banquet, Mecosta, Michigan, January 30, 1997.
33. **Lloyd, J.W.** The relationship of culling to efficiency and profitability. Michigan Professional Dairy Farmers' Association, Ithaca, Michigan, February 12, 1997.
34. **Lloyd, J.W.** Why is everyone milking more cows, and where does the veterinarian fit in? Thumb Veterinary Medical Association, Sandusky, Michigan, February 20, 1997.
35. Gibbons-Burgener, S.N., J.B. Kaneene, **J.W. Lloyd**, and R.J. Erskine. Evaluation of the influence of the milk and dairy beef quality assurance program on drug management practices on Michigan dairy farms. 8th Annual Phi Zeta Research Day, Michigan State University, College of Veterinary Medicine, October 14, 1998.
36. **Lloyd, J.W.** Dairy health management economics. Pharmacia & Upjohn Dairy Seminar, Augusta, Michigan, June 30, 1999.
37. **Lloyd, J.W.** The practice-based ambulatory program – 1999 financial management study, Michigan State University, College of Veterinary Medicine, September 29, 2000.
38. **Lloyd, J.W.** The mega-study and large animal practices in Michigan, Michigan State University, College of Veterinary Medicine, September 29, 2000.
39. **Lloyd, J.W.** Post-graduate economic success, Veterinary Practice Builders Association, Michigan State University, College of Veterinary Medicine, October 26, 2000.
40. **Lloyd, J.W.** Pricing equine services: the 2000 MSU pricing study. 2001 Michigan Veterinary Conference, Lansing, January 25-28, 2001.
41. **Lloyd, J.W.** The economics of culling and replacement in the Michigan dairy industry. Heifer Management and Culling, Module #11, Dairy Health Management Certificate Program, Michigan State Univ., East Lansing, Michigan, Feb. 18, 2001.
42. **Lloyd, J.W.** Practice management in veterinary medical education, Michigan Veterinary Medical Association Summer Meeting, Traverse City, Michigan, August 1, 2001.
43. **Lloyd, J.W.** The practice-based ambulatory program – 2000 financial management study, Michigan State University, College of Veterinary Medicine, October 12, 2001.
44. **Lloyd, J.W.** Evaluating customer satisfaction: the case of Michigan State University's veterinary teaching hospital, 2002 Michigan Veterinary Conference, Lansing, January 24, 2002.
45. **Lloyd, J.W.** Improving the skills, knowledge, aptitudes, and attitudes (SKAs) of the veterinary profession: project update, College of Veterinary Medicine Alumni Council Meeting, East Lansing, Michigan, October 19, 2002.
46. **Lloyd, J.W.** The practice-based ambulatory program – 2001 financial management study, Michigan State University, College of Veterinary Medicine, November 7, 2002.
47. **Lloyd, J.W.** Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs), Population Medicine Center Journal Club Seminar, MSU, College of Veterinary Medicine, E. Lansing, Michigan, March 5, 2003.

SCIENTIFIC PRESENTATIONS – State and Local (cont'd)

48. **Lloyd, J.W.** The National Commission on Veterinary Economic Issues: critical projects and issues identified for colleges of veterinary medicine, College-wide Forum, Michigan State University, College of Veterinary Medicine, April 9, 2003.
49. **Lloyd, J.W.** The National Commission on Veterinary Economic Issues: critical projects and issues identified for colleges of veterinary medicine, College of Veterinary Medicine Alumni Council Meeting, East Lansing, Michigan, April 15, 2003.
50. **Lloyd, J.W.** When it's time... retiring from practice ownership, Northeast Michigan Veterinary Medical Association, West Branch, Michigan, April 17, 2003.
51. **Lloyd, J.W.** Recruitment and selection to colleges of veterinary medicine, Mackinac Island Veterinary Conference, Mackinac Island, Michigan, August 3, 2003.
52. **Lloyd, J.W.** Skills, knowledge, aptitudes, and attitudes update: applicant pool, leadership, and the VTH business model, College of Veterinary Medicine Alumni Council Meeting, East Lansing, Michigan, October 3, 2003.
53. **Lloyd, J.W.** The veterinary teaching hospital business model, 2004 Michigan Veterinary Conference, Lansing, January 23, 2004.
54. **Lloyd, J.W.** The MSU-CVM balanced scorecard project, Macomb-Oakland Management Seminars, Sterling Heights, Michigan, March 5, 2004.
55. **Lloyd, J.W.** Enhancing the economic health of the veterinary profession by improving skills, knowledge, aptitudes, and attitudes (SKAs), Department of Agricultural Economics, Michigan State University, East Lansing, April 15, 2004.
56. **Lloyd, J.W.** Non-clinical competencies critical for success in veterinary medicine: What are they? Why are they important? What can we do to improve? Preveternary Medical Association, Michigan State University, East Lansing, October 24, 2005.
57. **Lloyd, J.W.**, and S.K. Abood. Effective interviewing: finding the right match. 2006 Michigan Veterinary Conference, Lansing, January 27, 2006.
58. **Lloyd, J.W.** Leadership development at the College of Veterinary Medicine. VTH Practitioner Advisory Panel, College of Veterinary Medicine, MSU, East Lansing, March 7, 2006.
59. **Lloyd, J.W.**, and S.K. Abood. Effective interviewing: finding the right match. 2006 Michigan Veterinary Conference, Lansing, January 26, 2007.
60. **Lloyd, J.W.** Diversity and veterinary medicine, MVMA Board of Directors Retreat, DeWitt, Michigan, March 21, 2007.
61. **Lloyd, J.W.** Sustained success in Michigan's economy, 2007 Mackinac Island Veterinary Conference, Mackinac Island, Michigan, August 8, 2007.
62. **Lloyd, J.W.** The Michigan veterinary economy: is the glass half full or half empty? Grand Rapids Small Animal Practice Academy, Grand Rapids, Michigan, February 3, 2009.
63. **Lloyd, J.W.** Recent economic trends: what about the veterinary profession? MVMA Economic Summit, Coll. of Vet. Med., Michigan State University, E. Lansing, Mar. 18, 2009.
64. **Lloyd, J.W.** Funding trends in academic veterinary medicine: drivers of programmatic evolution, Department of Pathobiology and Diagnostic Investigation, College of Veterinary Medicine, Michigan State University, East Lansing, July 27, 2009.
65. **Lloyd, J.W.** Trends in academic veterinary medicine: MSU-CVM past, present, and future, Southeast Michigan Veterinary Medical Association, Rochester, Michigan, January 6, 2010.
66. **Lloyd, J.W.** Trends in academic veterinary medicine: the MSU-CVM perspective, Livingston County Veterinary Medical Association, Brighton, Michigan, February 25, 2010.
67. **Lloyd, J.W.** Trends in academic veterinary medicine: the MSU-CVM perspective, Northeast Michigan Veterinary Medical Association, West Branch, Michigan, June 17, 2010.
68. **Lloyd, J.W.** Trends in the Michigan veterinary economy – 2010, Saginaw Valley Veterinary Medical Association, Frankenmuth, Michigan, September 22, 2010.
69. **Lloyd, J.W.** Diversity in veterinary medicine: why is it important and what are we doing? Michigan Department of Agriculture and Rural Development, Lansing, September 15, 2011.

SCIENTIFIC PRESENTATIONS – State and Local (cont'd)

70. **Lloyd, J.W.** Financing veterinary education: student loan repayment strategies, Veterinary Practice Builders Association, MSU-CVM, February 8, 2012.
71. **Lloyd, J.W.** Providing veterinary education: a financial perspective, Michigan Veterinary Medical Association - Board of Directors, East Lansing, March 21, 2012.

TEACHING EXPERIENCE – Graduate Student Training

1. *Major Professor*

<u>Student</u>	<u>Degree</u>	<u>Discipline</u>	<u>Completion Date</u>
Margaret Brown	M.S.	Ag. Economics	1990
Patrick Hady	M.S.	Ag. Economics	1992
Brian Radke	Ph.D.	Ag. Economics	1998
Barb Dartt	M.S.	Ag. Economics	1998*

* Note: This student's thesis received an award as the year's best from the Department.

2. *Committee Member*

<u>Student</u>	<u>Degree</u>	<u>Discipline</u>	<u>Completion Date</u>
C.A. Martin	M.S.	Lg. An. Clin. Sci.	1992
Bruce Montgomery	Ph.D.	Ed. Administration	1992
Jorge Gonzalez	M.S.	Lg. An. Clin. Sci.	1993
Joseph Kelpinski	M.S.	Ag. Economics	1994
Colleen Bruning-Fann	M.S.	Lg. An. Clin. Sci.	1994
Colleen Brady	M.S.	Animal Science	1994
Joseph Domecq	Ph.D.	Animal Science	1995
John Rutherford	M.S.	Ag. Economics	1996
Daniel O'Brien	Ph.D.	Lg. An. Clin. Sci.	1998
Yvette Johnson-Ifearulundu	Ph.D.	Lg. An. Clin. Sci.	1998
Duane Banderob	M.S.	Ag. Economics	1999
Suzanne Gibbons	Ph.D.	Lg. An. Clin. Sci.	2000
Larry Judge	Ph.D.	Lg. An. Clin. Sci.	2001
David Weinstock	Ph.D.	Journalism	2002
Eric Wittenberg	M.S.	Ag. Economics	2002
Corey Risch	M.S.	Ag. Economics	2002
Christopher Byron	M.S.	Lg. An. Clin.Sci.	2002
Patricia Almeida	M.S.	Lg. An. Clin.Sci.	2003
Ling Mei	M.S.	Animal Science	2003
Alda Tomo	M.S.	Ag. Economics	2009
Hilda Mejia-Abreu	Ph.D.	Ed. Administration	2013
Ruby Perry	Ph.D.	Ed. Administration	2019

3. *External Examiner*

<u>Student</u>	<u>Degree</u>	<u>Discipline</u>	<u>Completion Date</u>	<u>Institution</u>
John Deen	Ph.D.	Population Medicine	1993	University of Guelph

4. *Post-Doctoral Research Assistants Supervised*

<u>Name</u>	<u>Dates</u>
Donna L. Harris	2002 to 2004

TEACHING EXPERIENCE – Courses

<u>Dates</u>	<u>Course Number</u>	<u>Course Title, Number of Credits, Contribution</u>
1985	AEC 837	Applied Operations Research, 4 quarter credits, 4 hours lecture plus office hours
1988	AEC 995	Current Topics in Farm Management Research, 1 quarter credit, 1 hour lecture
1987 to 1995	VM 533	Veterinary Epidemiology, 3 sem. credits, 3-6 hrs. lecture
1990 to 1995	VM 544	Veterinary Public Health, 2 sem. credits, 2 hrs. lecture
1994 to 2004	VM 532	Veterinary Integrative Problem Solving III, 3 semester credits, 12 hours interactive problem solving
1994, 1996	VM 542	Veterinary Integrative Problem Solving IV, 3 semester credits, 4 hours interactive problem solving
1990 to 1994	LCS 412	Livestock Hygiene and Disease Control, 3 quarter credits, 1 hour lecture
1991 and 1992	LCS 811	Safety of Foods of Animal Origin, 4 qtr. credits, asst. course coordinator, 2 hrs. lecture, 32 hrs. lab
1991 to 1996	LCS 829	Design and Conduct of Epidemiological Studies and Clinical Trials, 3 sem. credits, 6 hours lecture
1986	LCS 642	Special Prob. Clerkship, 2 qtr. cred., course coordinator
1990	LCS 642	Special Problems Clerkship, 4 quarter credits, co-coordinated and taught one half of the course
1983 to 1985	LCS 660	Field Service/Food Animal Clerkship, 4 quarter credits, 2 days per week
1984 to 1995	LCS 660	Field Service Clerkship, 3 or 4 quarter credits, one hour lecture per offering
1990	LCS 664	Dairy Herd Health Clerkship, 3 quarter credits, co-moderated and taught one half of the course
1990 to 1995	LCS 664	Dairy Herd Health Clerkship, 3 quarter credits, 3 hours lecture per offering plus office hours
1985 to 1991	LCS 668	Swine Herd Health Clerkship, 3 quarter credits, 3 hours lecture per offering
1992 to 1995	LCS 674	Preceptorial Clerkship, 4 semester credits, course coordinator
1995 to 1999	LCS 621	Equine Practice Clerkship, 3 semester credits, course coordinator
1989 to 2007	LCS 625	Equine Herd Health Clerkship, 3 semester credits, 3 hours lecture per offering (twice per year)
1995 to 1999	LCS 631	Food Animal Practice Clerkship, 3 semester credits, course coordinator
1995 to 2001	LCS 633	Dairy Production Medicine Clerkship, 3 sem. credits, 9 hours interactive problem solving per offering
1997 to 1999	LCS 634	Swine Production Medicine Clerkship, 3 semester credits, 3 hours lecture per offering
1996 to 2001	LCS 637	Advanced Dairy Production Medicine Clerkship, 3 sem. credits, 16 hours interactive problem solving
1995 to 2001	LCS 643	Food Animal Fundamentals Clerkship, 3 semester credits, 3 hours lecture, 3 hours laboratory
1995 to 1999	LCS 677	Veterinary Preceptorship, 3 semester credits, course coordinator
2002 to 2007	LCS 681	Food Animal Production Medicine I, 3 semester credits, 3 hours lecture, 3 hours laboratory

TEACHING EXPERIENCE – Courses (cont'd)

<u>Dates</u>	<u>Course Number</u>	<u>Course Title, Number of Credits, Contribution</u>
2002 to 2007	LCS 682	Food Animal Production Medicine II, 3 semester credits, 9 hours interactive problem solving
2002 to 2004	LCS 683	Food Animal Production Medicine III, 3 semester credits, 16 hours interactive problem solving
1999 to 2007	VM 541	Veterinary Career Development & Practice Management, 2 semester credits taught once per year, course coordinator
2005 to 2013	VM 690	Special Problems: Advanced Veterinary Practice Management Proseminar, 1 semester credit taught once per year, course coordinator
2005	VM 690b	Career Development and Business Skills, 3 sem. credits once per year, 4 hours interactive workshop
2005 to 2013	VM 690	Special Problems: Independent Study in Career Development and Practice Management, 3 sem. Credits, 2 to 4 students per year

SERVICE LEARNING PROJECTS

Over the period 1999-2007, I coordinated approximately 60 public education sessions per year in the community related to veterinary medicine, conducted by veterinary students. Presentations included a wide variety of topics such as general health care (all species), dog bite safety, animal behavior, anatomy of the equine forelimb, and careers in veterinary medicine. Audiences ranged from kindergarten to high school seniors, in addition to several animal-related community organizations. The program resulted in a total of about 540 presentations.