
<i>Nationality</i>	British, US Permanent Resident.
<i>Degrees</i>	BVSc, Honours Degree, 1982, University of Liverpool, Great Britain. MS, 1988, University of Wisconsin-Madison, USA. Ph.D, 1991, University of Cambridge, Great Britain
<i>Board Certification</i>	Diplomate, 1992, American College of Veterinary Internal Medicine
<i>Societies</i>	Member of the Royal College of Veterinary Surgeons.
<i>Current Position</i> (Feb. 2012–present)	Dean, College of Veterinary Medicine North Carolina State University 1060 William Moore Drive Raleigh, NC 27607 (919) 513 6210 dplunn@ncsu.edu personal webpage

Professional and educational background

August 2003 to February 2012:

Professor and Head of the Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins: 75% administration, 25% teaching and research.

October 2000 to August 2003:

Associate Dean for Clinical Affairs and Director of the Veterinary Medical Teaching Hospital: 60% administration, 40% teaching and research.

October 1991 to 2000:

Assistant Professor, Large Animal Medicine, Department of Medical Sciences, School of Veterinary Medicine, University of Wisconsin-Madison: 45% research, 50% teaching and clinics, and 5% service. Promoted to Associate Professor with tenure 1998.

October 1988 to October 1991:

PhD. studies, University of Cambridge, Great Britain. Thesis: Monoclonal antibodies recognizing equine leucocyte surface antigens and immunoglobulins. Horserace Betting Levy Board Scholar.

July 1985 to June 1988:

Resident, Large Animal Internal Medicine, School of Veterinary Medicine, University of Wisconsin-Madison, USA. Master of Science Degree studies, University of Wisconsin-Madison. Thesis: Renal Electrolyte and Net Acid Excretion in Metabolic Alkalosis in Sheep.

September 1983 – June 1985:

General practice, Pennard Veterinary Group, Sevenoaks, Kent, Great Britain.

July 1982 - July 1983:

Intern, Large Animal Medicine and Surgery, Ontario Veterinary College, Guelph, Ontario.

September 1977 - June 1982:

Bachelor of Veterinary Science (Honours) degree studies, Faculty of Veterinary Science, University of Liverpool, Great Britain.

Administrative Experience

Dean, College of Veterinary Medicine, North Carolina State University

- Served as the dean since 2012.
- The college is a community of over 1,100 students, faculty and staff, including 400 DVM students, 116 clinical residents and interns, and 87 graduate students.
- The college has undertaken two [strategic planning exercises](#) since 2012.
- This 7-year period has been characterized by expansion and change in several areas, as a result of the innovative hard work of all members of the college:
 - Increased DVM class size from 80 to 100 students.
 - Doubled the five-year rolling average of Under Represented in Veterinary Medicine DVM students to 23%.
 - Implemented an extensive student wellness program, including a new college [house system](#).
 - Increased faculty positions by 27% from 132 to 168, maintaining a nation-leading Faculty:Student ratio.
 - Renovated and updated all major teaching spaces within the college.
 - Implemented a major DVM curricular revision.
 - Increased research funding at an annual rate of 7%.
 - Expanded Veterinary Hospital caseload by 40% to over 35,000 annual accessions.
 - Increased annual fundraising by 80% to over \$20 million, with scholarship awards increasing by 100%.
 - Grew the college budget from \$80 to \$104 million.

Head, Department of Clinical Sciences, Colorado State University

- During the period from 2003-12 faculty numbers grew from 64 to 87.
- This expansion resulted in the hiring of 46% of the departmental faculty by 2012, and the advancement of 35% through promotion and tenure.
- Research funding doubled during the first 5 years of the period.
- Implemented an extensive faculty mentoring program.

Associate Dean for Clinical Affairs and Director of the Veterinary Medical Teaching Hospital, University of Wisconsin-Madison

- During the period from 2000-03 a major financial review of the hospital program led to a return to sustainability.
- New programs were established in dentistry, exotic animals and imaging (CT & MRI).
- Initial planning was completed for new hospital construction.

Publications:

Research analytics:

- Scopus Author ID: [35433024900](#)
- ORCID ID: orcid.org/0000-0002-7388-9766
- H-index; 29 (Scopus/Mendeley)

Publications in refereed journals

1. **Lunn DP**, Fingland RB, Goldstein R, Mashima TY, McLaughlin R, Nelson LL, Roth I, Sweeney C, Zimmel D: AAVMC Internship Program Guidelines 2018. *In Press, Journal of Veterinary Medical Education*, doi:10.3138/jvme.0718-082r, 2019.
2. Goehring LS, Brandes K, Ashton LV, Wittenburg LA, Olea-Popelka FJ, **Lunn DP**, Soboll Hussey G: Anti-inflammatory drugs decrease infection of endothelial cells with EHV-1 in vitro. *Equine Veterinary Journal*, 49:629-636, 2017.
3. Stringer AS, **Lunn DP**, Reid S: Report on the First Havemeyer Workshop on Infectious Diseases in Working Equids, Addis Ababa, Ethiopia. *Equine Veterinary Journal*, 47: 6-9, 2015.
4. Hackett ES, **Lunn DP**, Ferris RA, Horohov DW, Lappin MR, McCue PM: Detection of bacteraemia and host response in healthy neonatal foals. *Equine Veterinary Journal*, 47: 405-9, 2015.
5. **Lunn DP**, Antczak DF, McCue P, Richardson D, Scollay M: ‘Equine research – our only business’: The Grayson-Jockey Club Research Foundation. *Equine Veterinary Journal*, 46 (4): 515-516, 2014.
6. Soboll Hussey G, Ashton LV, Quintana A, Van de Walle GR, Osterrieder N, **Lunn DP**: Equine herpesvirus type 1 pUL56 modulates innate responses of airway epithelial cells, *Virology*, 464-465(1): 76-86, 2014.
7. Soboll Hussey G, Ashton LV, Quintana AM, **Lunn DP**, Goehring L, Annis K, Landolt G: Innate immune responses of airway epithelial cells to infection with Equine Herpesvirus-1. *Veterinary Microbiology*. 170(1-2): 28-38, 2014.
8. Broccardo CJ, Soboll Hussey G, Goehring L, **Lunn DP**, Prenni JE: Proteomic Profiling of Equine Cerebrospinal Fluid. *J. Eq. Vet. Sci*, 4 (3): 451-458, 2014.
9. Soboll Hussey G, Goehring L, **Lunn DP**, Hussey SB, Osterrieder N, Powell C, Hand J, Slater J: EHV-1 experimental infection induces chorioretinal lesions. *Veterinary Research*. 44: 118, 2013.
10. Goehring L, Soboll-Hussey G, Gomez-Diez M, Benedict K, Maxwell L, Morley P, Sloet van Oldruitenborgh-Oosterbaan M, **Lunn DP**: Plasma D-dimer concentrations during experimental EHV-1 infections” *J Vet Int Med*, 27: 1535-1542, 2013.

11. Carlson JK, Traub-Dargatz J, **Lunn DP**, Morley P, Kohler A, Kasper K, Landolt GA, Barnett C, Lunn KF: Equine Viral respiratory pathogen surveillance at horse shows and sales. *J.Eq.Vet.Sci*, 33: 229-237, 2013.
12. Gardiner DW, Lunn DP, Goehring LS, Chiang Y-W, Cook C, Osterrieder N, McCue P, Del Piero F, Hussey SB, Hussey GS: Strain impact on equine herpesvirus type 1 (EHV-1) abortion models: viral loads in fetal and placental tissues and foals. *Vaccine*, 30: 6564-6572, 2012.
13. Kydd JH, Slater J, Osterrieder N, **Lunn DP**, Antczak DF, Azab W, Balasuriya U, Barnett C, Brosnahan M, Cook C Damiani A, D Elton D, Frampton A, Gilkerson J, Goehring LS, Horohov DW, Maxwell L, Minke J, Morley P, Nauwynck H, Newton R, Perkins G, Pusterla N, Soboll-Hussey G, Traub-Dargatz J, Townsend HGG, Van de Walle GR, Wagner B: Third International Havemeyer Workshop on Equine Herpesvirus Type 1 (EHV-1), Home Ranch, Steam Boat Springs, Colorado, USA, 19th-22nd September 2011. *Equine Veterinary Journal*, 44: 513-517, 2012.
14. Burgess B, Tokateloff N, Manning S, Lohmann KL. **Lunn DP**, Hussey SB, Morley PS: Nasal shedding of Equine Herpesvirus-1 from horses in an outbreak of Equine Herpes Myeloencephalopathy in Western Canada. *J Vet Int Med*, 26: 384-392, 2012.
15. Dauvillier J, Flaminio MJ, **Lunn DP**, Lavoie-Lamoureux A, Leclere M, Beachamp G, Lavoie J-P: Effect of long-term fluticasone treatment on immune function in horses with heaves. *J Vet Int Med*, 25; 549-557, 2011.
16. Hussey GS, Hussey SB, Wagner B, Horohov DW, Van de Walle GR, Osterrieder N, Goehring LS, Rao S, **Lunn DP**: Evaluation of immune responses following infection of ponies with an EHV-1 ORF1/2 deletion mutant. *Veterinary Research*, 42; 23-29, 2011.
17. Durando M, Birks EK, Hussey SB, **Lunn DP**: Cardiac troponin I concentrations in ponies challenged with equine influenza virus. *J Vet Int Med*, 25, 339-344, 2011.
18. Wilsterman S, Soboll G, **Lunn DP**, Ashton LV, Callan RJ, Hussey SB, Rao S, Goehring LS: Equine herpesvirus-1 infected peripheral blood mononuclear cell subpopulations during viremia. *Vet. Micro.* 149, 40-47, 2011.
19. Goehring LS, Soboll G, Ashton LV, Schenkel A, **Lunn DP**: Infection of central nervous system endothelial cells by cell-associated EHV-1. *Vet. Micro.* 148, 389-39, 2011.
20. Pusterla N, Hussey SB, Mapes S, Johnson C, Collier JR, Hill J, **Lunn DP**, Wilson WD: Molecular Investigation of the Viral Kinetics of Equine Herpesvirus-1 in Blood and Nasal Secretions of Horses after Corticosteroid-Induced Recrudescence of Latent Infection. *J Vet Intern Med*, 24: 1153-1157, 2010.
21. Kydd JH, Slater J, Osterrieder N, **Lunn DP**: Report of the Second Havemeyer EHV-1 Workshop, Steamboat Springs, Colorado, September 2008. *Equine Veterinary Journal*, 42: 572-5, 2010.
22. Landolt GA, Hussey SB, Kreutzer K, Quintana A, **Lunn DP**: Intra lymph node low-dose DNA vaccination in ponies. *Vet. Rec.*, 167: 302-4, 2010.

23. Goehring LS, Wagner B, Bigbie R, Hussey SB, Rao S, Morley PS, **Lunn DP**: Control of EHV-1 viremia and nasal shedding by commercial vaccines. *Vaccine*, 28: 5203-5211, 2010.
24. Muirhead T, McClure J, Wichtel J, Stryhn H, Markham F, McFarlane D, **Lunn DP**: The Effect of Age on Systemic Antibody Response Following Rabies and Influenza Vaccination in Healthy Horses. *J. Comp. Path.* 142: S85-S90, 2010.
25. Lindsay WA, Wiedner E, Isaza R, Townsend HGG, Boleslawski M, **Lunn DP**: Immune responses of Asian elephants (*Elephas maximus*) to commercial tetanus toxoid vaccine. *Vet Immunol Immunopathol.* 133; 287-289, 2010.
26. Soboll G, Breathnach CC, Kydd, Hussey SB, Mealey R, **Lunn DP**: Vaccination of ponies with the IE gene of EHV-1 in a recombinant modified live vaccinia vector protects against clinical and virological disease. *Vet Immunol Immunopathol*, 135: 108-117, 2010.
27. Soboll G, Hussey SB, Minke JM, Hunter JS, Jagannatha S, **Lunn DP**: Onset and duration of immunity to equine influenza virus resulting from canarypox-vectored (ALVAC) vaccination. *Vet Immunol Immunopathol*, 135: 100-107, 2010.
28. Wagner B, Miller WH, Erb HN, **Lunn DP**, Antczak DF: Sensitization of skin mast cells with IgE antibodies to Culicoides allergens occurs frequently in clinically healthy horses. *Vet Immunol Immunopathol*, 132, 53–61, 2009.
29. Pusterla N, Hussey SB, Mapes S, Leutenegger CM, Madigan JE, MacLachlan NJ, Ferraro GL, Wilson WD, **Lunn DP**: Comparison of different methods to quantitate equine herpesvirus-1 load by real-time PCR in nasal secretions of experimentally and naturally infected horses. *J Vet Diag Invest*, 21: 836–840, 2009.
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31. **Lunn DP**, Hurley DJ: The role of leukocyte biology in laminitis. *Vet Immunol Immunopathol.* 129;158–160, 2009.
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33. Muirhead T, McClure J, Wichtel J, Stryhn H, Markham F, McFarlane D, **Lunn DP**: The Effect of Age on Systemic Antibody Response Following Rabies and Influenza Vaccination in Healthy Horses. *J. Vet. Intern. Med.* 22; 654-661, 2008.
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35. Ibrahim S, Saunders K, Kydd JH, **Lunn DP**, Steinbach F. Screening of anti-human leukocyte monoclonal antibodies for reactivity with equine leukocytes. *Vet Immunol Immunopathol* 119: 63-

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36. Breathnach CC, Sturgill-Wright T, Stiltner JL, Adams AA, **Lunn DP**, Horohov DW. Foals are interferon gamma-deficient at birth. *Vet Immunol Immunopathol* 112:199-209, 2006.
37. Hussey SB, Clark R, Lunn KF, Breathnach CC, Soboll G, Whalley JM, **Lunn DP**: Detection and quantification of EHV-1 viremia and nasal shedding by real-time PCR. *J Vet Diag Invest*, 18: 335-342, 2006.
38. Breathnach CC, Clark HJ, Clark RC, Olsen CW, Townsend HGG, **Lunn DP**: Immunization with recombinant modified vaccinia virus Ankara (rMVA) constructs encoding the HA or NP gene protects ponies from equine influenza virus challenge. *Vaccine*, 24: 1180-1190, 2006.
39. Holmes MA, Townsend HGG, Kohler AK, Hussey S, Breathnach CC, Barnett C, Holland R, **Lunn DP**: Immune responses to commercial equine vaccines against equine herpesvirus-1, equine influenza virus, eastern equine encephalomyelitis, and tetanus. *Vet Immunol Immunopathol*, 111: 67-80, 2006.
40. Slater JS, **Lunn DP**, Horohov DW, Antczak DF, Babiuk L, Breathnach CC, Chang Y-W, Davis-Poynter N, Edington N, Ellis S, Foote C, Goehring L, Kohn CW, Kydd J, Matsumura T, Minke J, Morley P, Mumford J, Neubauer T, O'Callaghan D, Osterrieder K, Reed S, Smith K, Townsend HGG, van der Meulen K, Whalley M, Wilson WD: Report of the Equine Herpesvirus-1 Havermeier Workshop, San Gimignano, Tuscany, June 2004. *Vet Immunol Immunopathol*, 111: 3-13, 2006.
41. Soboll G, Hussey SB, Whalley JM, Allen GP, Koen GT, Santucci N, Fraser DG, Macklin MD, Swain WF, **Lunn DP**: Antibody and cellular immune responses following DNA vaccination and EHV-1 infection in horses. *Vet Immunol Immunopathol*, 111: 81-95, 2006.
42. Coombs DK, Patton T, Kohler AK, Soboll G, Breathnach CC, Townsend HGG, **Lunn DP**: Cytokine responses to EHV-1 infection in immune and non-immune ponies. *Vet Immunol Immunopathol*, 111: 109-116, 2006.
43. Black SJ, **Lunn DP**, Yin C, Hwang M, Lenz SD, Belknap JK: Leukocyte emigration in the early stages of laminitis. *Vet Immunol Immunopathol*, 109: 161-166, 2006.
44. Breathnach CC, Soboll G, Suresh M, **Lunn DP**: Equine herpesvirus-1 infection induces IFN-gamma production by equine T lymphocyte subsets. *Vet Immunol Immunopathol*, 103: 207-215, 2005
45. Breathnach CC, Rudersdorf R, **Lunn DP**: Use of recombinant modified vaccinia Ankara viral vectors for equine influenza vaccination. *Vet Immunol Immunopathol*, 98: 127-136, 2004.
46. Holznagel DL, Hussey S, Mihalyi JE, Wilson WD, **Lunn DP**: Onset of immunoglobulin production in foals. *Equine Veterinary Journal*, 35: 620-622, 2003.
47. Soboll G, Whalley JM, Koen GT, Allen GP, Fraser DG, Macklin MD, Swain WF, **Lunn DP**: Identification of equine herpesvirus-1 antigens recognized by cytotoxic T-

- lymphocytes. *J Gen Virol*, 84:2625–2634, 2003.
48. Soboll G, Horohov DW, Aldridge BM, Olsen CW, McGregor MW, Drape R, Macklin MD, Swain WF, **Lunn DP**: Regional antibody and cellular immune responses to equine influenza virus infection and DNA vaccination. *Vet Immunol Immunopathol*, 94: 47–62, 2003.
 49. Soboll G, Nelson KM, Leuthner ES, Clark RJ, Drape R, Macklin MD, Swain WF, Olsen CW, **Lunn DP**: Mucosal co-administration of cholera toxin and influenza virus hemagglutinin-DNA in ponies generates a local IgA response. *Vaccine* 21: 3081–3092, 2003.
 50. Marti E, Horohov DW, Antzak DF, Lazary S, **Lunn DP**: Advances in equine immunology: Havemeyer workshop reports from Santa Fe, New Mexico, and Hortobagy, Hungary. *Vet Immunol Immunopathol*, 91: 233-243, 2003.
 51. Lalko CC, Deppe E, Ulatowski D, Lugen A, Hart AP, Patton EA, **Lunn DP**, Suresh M, Darien BJ: Equine platelet P-selectin expression: a phenotypic and morphologic study. *Vet Immunol Immunopathol*, 91: 119-134, 2003.
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102. Hovda LR, McGuirk SM, **Lunn DP**: Total parenteral nutrition in a neonatal llama. *J Am Vet Med Assoc* 196: 319-322, 1990.
103. **Lunn DP**, McGuirk SM: Renal regulation of electrolyte and acid-base balance in ruminants. *Vet Clinics of North America: Food Animal Practice* 6: 1-28, 1990.
104. **Lunn DP**, Mayhew IG: Neurological examination of the horse. *Equine Veterinary Education* 1: 94-101, 1989.
105. **Lunn DP**: Ataxia in a horse. *Equine Veterinary Education* 1: 85-88, 1989.
106. **Lunn DP**, Hinchcliff K: Cerebrospinal fluid eosinophilia and ataxia in five llamas. *Vet Rec.* 124: 302-305, 1989.
107. **Lunn DP**, Peel JE: Successful treatment of traumatic oesophageal rupture with severe accompanying cellulitis in a mare. *Vet Rec.* 116: 544-545, 1985.

Book chapters

1. **Lunn DP**, McIlwraith W: Equine Health and Disease. In: Equine Welfare, Eds, McIlwraith W, Rollin B, Blackwell Publishing, Chichester, pages 59-70, 2011.
2. Goehring L, **Lunn DP**: Viral respiratory diseases of the older foal. In: Equine Reproduction, 2nd Edition, Eds, McKinnon A, Squires EL, Vaala W, Voss J, Wiley-Blackwell, Chichester, pages 720-727, 2011.
3. **Lunn DP**, Horohov DW: The Equine Immune System. In: Equine Internal Medicine, 3rd edition, Eds: Reed S, Bayly W, Sellon D; WB Saunders, Philadelphia, pages 2-56, 2009.
4. Landolt G, **Lunn DP**: Equine respiratory viruses. In: Large Animal Medicine, 6th edition, Editors, Smith B; Elsevier, St. Louis, pages 542-550, 2008.
5. Goehring LS, **Lunn DP**: Equine herpesvirus myeloencephalopathy. In: Current Therapy in Equine Medicine, 6th edition, Eds. Robinson NE; Saunders, St. Louis, pages 177-181, 2008.
6. Landolt G, Townsend HGG, **Lunn DP**: Equine Influenza Virus. In: Equine Infectious Diseases, 1st edition, Eds, Sellon D, Long M; Elsevier, Philadelphia, page 124-133, 2007.
7. **Lunn DP**, Soboll G, Breathnach CC: Immunology and Immunopathology. In: Equine Respiratory Disorders, 1st edition, Eds, McGorum B, Robinson E, Dixon P, Schumacher J; Elsevier, Philadelphia, pages 71-82, 2006.
8. **Lunn DP**, Horohov DW: Editors of Vet Clinics of North America: Equine Practice: Immunology Volume 16, 2000.
9. **Lunn DP**, McClure JT: Immunological principles of equine vaccination. In: Equine Medicine and Surgery, 5th edition, Eds: Moore J, Mayhew I, Mosby Inc, pp 183-190, 1999.

10. McClure JT, **Lunn DP**: Practical applications of equine vaccination. In: Equine Medicine and Surgery, 5th edition, Eds: Moore J, Mayhew I, Mosby Inc, pp 191-195, 1999.
11. **Lunn DP**, Horohov DW, Hannant, D: Immunology of Horses and Donkeys. In: A Handbook of Vertebrate Immunology. Eds: P.-P. Pastoret, H Bazin, P Griebel, A Govaerts. Academic Press, London. pp. 343-372, 1998.
12. **Lunn DP**, Olsen CW, Soboll G, McGregor MW, Macklin MD, McCabe DE, Swain WF,: Development of practical DNA vaccination strategies for use in horses. In: Equine Infectious Diseases VIII. Eds. Wernery U, Wade JA, Mumford JA, Kaaden O-R eds. R&W Publications, Newmarket. 1999; 38-43.
13. **Lunn DP**: Preventative immunology. Proceedings of the 1997 Dubai International Equine Symposium: The diagnosis and treatment of respiratory disease. Eds: NW Rantanen, ML Hauser. Neyenesch Printers Inc. pp. 89-106 1997.
14. **Lunn DP**, Schram B, Vagnoni K, Schobert CS, Truax R, Horohov DW: Receptor interactions in equine lymphokine-activated killing. Equine Infectious Diseases VII; Proceedings. Eds H. Nakajima, W. Plowright. R & W Publications, Newmarket. pp.133-138, 1995.
15. **Lunn DP**, Duffus WPH: Equine T lymphocytes. Sixth International Equine Infectious Disease Conference Proceedings, Eds W. Plowright, P.D. Rosedale, JF Wade. R & W Publications, Newmarket. pp.113 - 120, 1992.
16. McGuirk SM, Shaftoe S, **Lunn DP**: Cardiovascular Diseases. In: Smith BP (Ed), Large Animal Internal Medicine. 1st edition. Pennsylvania: CV Mosby Co. pp. 454-488, 1990.

Oral Abstracts and Posters— full listing of 108 presentations available on request

Invited Presentations

1. “Global impact and importance of working donkey and horses” Keynote Address, West Indies Veterinary Conference, St. Kitts, October, 2018.
2. “Medical Error in Veterinary Medicine – How to Understand and Manage It” North Carolina Veterinary Conference. November, 2018.
3. “The impact of infectious disease on working horses & donkeys” 5th International Mongolia-Duke University One Health Scientific Symposium. Ulan Bator, Mongolia, June, 2016.
4. “Havemeyer Highlights: Focus on EHV-1 Workshop” Annual Medical Forum ACVIM, New Orleans, 2012.
5. “Equine influenza virus: an evolving pathogen and evolving immunity”. Visiting Professor Presentation, Faculty of Veterinary Science, Debre Zeit, University of Addis Ababa, Ethiopia, December, 2011.
6. “Herpes vaccines, lessons from the horse's mouth”. Invited presentation to Pfizer Animal Health at inauguration of their new equine infectious disease facility, Kalamazoo, MI, October, 2011.

7. "New Models for studying EHV-1 and lessons learnt" Visiting Professor Presentation, Department of Veterinary Science (Maxwell E. Gluck Equine Research Center), University of Kentucky, Lexington, also produced as a webinar, June, 2011
8. "Faculty Evaluation Using an Electronic Reporting System and a Senior Faculty Committee." Program presentation to the Annual Dept. Head, VTH Director meeting of the American Association of Veterinary Clinicians. Atlanta, March, 2011.
9. "Immunity to *Histoplasma capsulatum farciminosum* and vaccination", A one hour presentation at the Epizootic Lymphangitis Workshop, Faculty of Veterinary Science, Debre Zeit, University of Addis Ababa, Ethiopia, February, 2010.
10. "Equine Immunology: critical clinical applications", The one hour Sir Frederick Smith Lecture at the British Equine Veterinary Association Annual Meeting, Birmingham, UK, September 2009. Plenary address.
11. "New diseases, new vaccines, old challenges" A 30 minute presentation at the International Veterinary Vaccines and Diagnostics Conference, Madison, Wisconsin, July 2009.
12. "International movement of horses and the risk of emerging disease." At the European meeting on New Developments in Equine Viral Disease. Hosted by Merial, Lyon, France, September, 2008.
13. "Molecular innovations in equine vaccination." Visiting Scientist lecture, Free University, Berlin, July, 2008.
14. "EHV-1 CTL detection and viremia" Visiting Scientist lecture, College of Veterinary Medicine, University of California, Davis, January, 2008.
15. "ACVIM Consensus Statement: EHV-1" 25th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Seattle, June 2007.
16. "State of the art: Pathogenesis and control of EHV-1 infections" Annual meeting of the British Equine Veterinary Association, Edinburgh, Scotland, September, 2007.
17. "Future Vaccination Technologies" Annual meeting of the British Equine Veterinary Association, Edinburgh, Scotland, September, 2007.
18. "Prospects for EHV-1 prophylaxis" 23rd Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Louisville, June 2006.
19. "EHV-1 update". Annual meeting of the British Equine Veterinary Association, Harrogate, Great Britain, September, 2005.
20. "Practical assessment of equine immunity". Annual meeting of the British Equine Veterinary Association, Harrogate, Great Britain, September, 2005.
21. "Immunomodulation: principles and mechanisms." One hour lecture, 50th Annual Convention, American Association of Equine Practitioners, Denver, Colorado, December, 2004.
22. "Equine influenza virus: pathogenesis, epidemiology and immunity" 21st Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Minneapolis, June 2004.
23. "Equine Immunity to Influenza Virus" One hour lecture, visiting professor, University of California-Davis, May, 2003.

24. "Influenza in horses and humans" Visiting professor lecture, Comparative Biosciences Lecture Series, College of Veterinary Medicine, University of Minnesota, Minneapolis, December, 2003.
25. "Equine Influenza and Rhinopneumonitis, what protects?" D.L.T. Smith lecture: University of Saskatoon, Canada, October, 2001.
26. "Genetic vaccines for equine respiratory viruses: results and prospects" Visiting Scientist presentation at the Veterinary Infectious Disease Organization, Saskatoon, Canada, October, 2001.
27. "Inducing an appropriate immune response: prospects for respiratory vaccines" at the Annual meeting of the British Equine Veterinary Association, Birmingham, Great Britain, September, 2001.
28. "Immunomodulators: prospects and realities for therapy" at the Annual meeting of the British Equine Veterinary Association, Birmingham, Great Britain, September, 2001.
29. "Viral infections: pulmonary immune responses and therapeutic modulation" 19th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Denver, May 2001.
30. "Equine immunity to influenza virus" Visiting Professor Presentation, School of Veterinary Medicine, University of Purdue, March, 2001.
31. "Respiratory viral infection, what does protect?" Visiting Professor Presentation, Department of Veterinary Science (Maxwell E. Gluck Equine Research Center), University of Kentucky, Lexington, February, 2001.
32. "Immunity to Viral Respiratory Disease" and "Viruses and cytokines" at the Annual meeting of the British Equine Veterinary Association, Birmingham, Great Britain, September, 2000.
33. "Development of DNA Vaccines for Equine Respiratory Pathogens" Phi Zeta Day Keynote Presentation, Kansas State University College of Veterinary Medicine, Manhattan, Kansas, March, 2000.
34. "Comparative aspects of regional immunity to influenza virus infection and DNA vaccination" 17th Symposium of the Comparative Respiratory Society, Harrison Hot Springs, British Columbia, October 1999.
35. "Novel Vaccines" 4th International Meeting of OIE and WHO experts on control of equine influenza, Miami, August 1999.
36. "Equine immunology: so far, so what?". 17th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Chicago, June 1999.
37. "Equine vaccination: practical strategies and future possibilities". 17th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, Chicago, June 1999.
38. "Manipulating equine immune responses to respiratory viruses with DNA vaccination." International Business Communications' 4th International Symposium on Veterinary Vaccines, Lake Buena Vista, Florida, March 1999.
39. "Influenza virus; infection and immunity". Visiting Professor - Louisiana State University, January 1999

40. "Local and systemic immune responses to influenza virus infection and DNA vaccination in horses." Visiting Professor seminar, College of Veterinary Medicine, University of Florida, Gainesville, August 1998.
41. "DNA Vaccination in Horses". 16th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, San Diego, California, May 1998.
42. "Systemic and mucosal equine immune responses to influenza virus induced by natural infection, conventional and unconventional vaccines." International Business Communications' 3rd International Symposium on Veterinary Vaccines, Tampa, Florida, February 1998.
43. Developing DNA vaccination in horses. Visiting Professor seminar, Department of Veterinary Science (Maxwell E. Gluck Equine Research Center), University of Kentucky, Lexington, August 1997.
44. Preventative Immunology. Dubai International Equine Symposium: The diagnosis and treatment of respiratory disease, Dubai, United Arab Emirates, March 1997.
45. Neonatal cellular immunity: comparative studies in a bovine model. Havemeyer Foundation Workshop on *R. equi* and equine neonatal immunity, Guelph, Ontario, July 1996.
46. New strategies for equine vaccination. 14th Annual Veterinary Medical Forum of the American College of Veterinary Internal Medicine, San Antonio, Texas, May 1996.
47. Manipulating Equine Mucosal Immunity. Veterinary Science Seminar Series, UW-Madison, December 1995.
48. Mucosal Vaccination. Visiting Professor - Louisiana State University, March 1995
49. Maternal-Placental immune interactions in the horse. Primate Research Center Seminar, University of Wisconsin 1994
50. Equine T-lymphocytes. Keynote address: Sixth International Equine Infectious Disease Conference, Cambridge, Great Britain, July 1991.
51. Equine Lymphocyte Differentiation Antigens. Departmental "Tea-Club" seminar series, University of Cambridge, May 1991.

Funded Research Projects

Title	Granting Agency	Amount	Role	Dates
EHV-1 modulation of airway epithelial responses determines induction of immunity and protection	USDA: Agriculture and Food Research Initiative (AFRI) Animal Health Program	\$499,852	Co-I	12/11 – 11/15
Use of CSF biomarkers for development of an EHM model	Infectious Disease Supercluster, CSU	\$24,034	Co-I	7/11-6/12
Proteomic and metabolomic CSF changes in EHM	College Research Council	\$15,800	Co-I	7/11-6/12

Duration of immunity of Calvenza™ EHV vs. Intervet Prodigy™.	Boehringer Ingelheim Vetmedica, Inc	\$124,000	PI	7/10 – 6/12
Proof of concept: EHV-1 gG deletion mutant MLV vaccine	Novartis Animal Health	\$120,000	PI	2/10 – 6/12
Development of a model of EHV-1 myeloencephalopathy	Biotechnology Research and Development Corporation	\$401,867	PI	12/09 – 11/11
The effect of EHV-1 immunosuppressive genes on the respiratory epithelium	Morris Animal Foundation	\$100,328	Co-I	7/10 – 6/11
Duration of immunity of Calvenza™ Influenza Ohio'03 vs. FDAH Innovator.	Boehringer Ingelheim Vetmedica, Inc	\$168,000	PI	11/08 – 6/10
Generation of Tetramers to Study Immune Modulation Via Equine MHC-1 Antigen presentation by EHV-1 Gene Products.	USDA-NRI	\$384,000	Co-PI	9/07 – 8/11
Pneumabort-K™ vs. Rhinomune™ protection against EHV-1 challenge study: protection against viremia, nasal shedding and clinical disease	Fort Dodge Animal Health	\$124,313	PI	5/07 – 12/08
Neuropathogenesis of EHV-1 in horses	Grayson-Jockey Club Research Foundation	\$93,481	Co-I	4/08 – 3/10
Protection against influenza virus challenge by novel killed vaccines	Fort Dodge Animal Health	\$65,743	PI	5/07 – 4/08
Can Zylexis improve antibody responses to vaccination in normal or in immunosuppressed ponies?	Pfizer	\$41,872	PI	2/07-12/07
Onset of immunity to equine influenza by a recombinant canary pox vector vaccine	Meriel, France	\$86,648	PI	11/06 – 12/07
Molecular basis for influenza virus transmission to dogs	Morris Animal Foundation	\$97,139	Co-I	10/06 – 12/08
Tetramers for precise measurement of immunity to EHV-1	Grayson-Jockey Club Research Foundation	\$116,641	PI	4/06 – 3/08
Evaluation of long-term protection	Meriel, France	\$66,684	PI	11/05 – 2/07

from equine influenza by a recombinant canary pox vector vaccine				
Evaluation of Duration of Immunity Induced by Duvaxyn IET/EHV1,4 Against Equine Influenza Virus in Horses	Fort Dodge Animal Health	\$122,483	PI	10/05 – 9/07
Development of a model system for studying EHV-1 abortion	Fort Dodge Animal Health	\$241,00	PI	10/05 – 9/09
Evaluation of the Efficacy of a Combination Vaccine Containing EHV-1 Whole Virus Antigen in Foals	Fort Dodge Animal Health	\$183,066	PI	10/04 – 3/06
Frequency of contagious respiratory pathogen shedding at a major equine event.	College Research Council, CVMBS, Colorado State University	\$22,000	PI	10/04 – 10/05
Multi-epitope EHV-1 vaccines for generation of cytotoxic T lymphocytes	Grayson-Jockey Club Research Foundation	\$95,650	PI	4/04 – 3/06
Equine respiratory disease agent surveillance	Intervet	\$67,284	PI	1/04 – 3/06
Does equine influenza virus nucleoprotein induce antiviral cellular immunity in horses?	SVM – Basic Science Grant	\$9,200	PI	7/02 – 6/03
Comparison of commercial killed equine vaccines	Intervet	\$83,000	PI	12/01 – 12/03
Cellular responses to conventional EHV-1 vaccines	Intervet	\$72,000	PI	12/01 – 12/03
Practical equine DNA vaccination: mucosal vectors and the "prime/boost" strategy	Grayson-Jockey Club Research Foundation	\$89,000	PI	4/01 – 3/03
Baypamune N Efficacy in Horses after Transport and Exposure to Influenza Virus	Bayer	\$108,000	PI	11/00 – 11/02
Development of attenuated salmonella and modified vaccinia Ankara as vectors for equine influenza DNA vaccination	Agricultural Experiment Station	\$20,000	PI	1/00 – 8/02
Generation of cytotoxic lymphocytes and immunity to	USDA-NRI	\$273,000	PI	9/00 – 8/03

equine herpesvirus by DNA vaccination				
Regulation of equine immune responses to viral respiratory infection	Agricultural Experiment Station	\$44,000	PI	9/99 – 8/01
Generation of protective immunity to equine herpesvirus infection using DNA vaccination	Grayson-Jockey Club Research Foundation	\$79,000	PI	9/99 – 8/01
Regulation of mucosal and systemic immune responses to equine influenza virus	Agricultural Experiment Station	\$40,000	PI	9/97 - 8/99
Immunity to influenza virus generated by DNA vaccination and cytokine-expressing plasmids	Grayson-Jockey Club Research Foundation	\$73,000	PI	9/97-10/99
Safety and efficacy testing of attenuated equine influenza virus vaccines in horses	Heska Corporation	\$345,949	PI	11/96 - 9/02
Safety Testing of Influenza Vaccines	Heska Corporation	\$109,025	PI	1/96 - 12/96
Induction of immunity to Cryptosporidium parvum in pregnant dairy cattle by DNA vaccination	University-Industry Relations grant	\$36,200	Co-PI	7/96-6/97
Transfer of maternal colostral cells to calves	Agricultural Experiment Station	\$16,000	PI	9/96 - 8/98
Generation of protective immunity to equine influenza infection using DNA vaccination	Grayson-Jockey Club Research Foundation	\$71,000	PI	9/95-10/97
Iso-immune responses and fertility in dairy bulls	SVM - Food Animal Research Grant	\$11,500	PI	7/95 - 6/96
Maternal vaccination against cryptosporidiosis	Wisconsin Co-operative Grants	\$42,000	Co-PI	7/95 - 6/96
Regulation of cellular invasion and migration in placentation as a model for metastasis	Graduate School	\$14,000	PI	7/95 - 6/96
Protection from equine influenza infection: the role of IgA versus IgG	Agricultural Experiment Station	\$60,140	PI	9/93 - 8/96

Organization of the Second International Workshop on Equine Leucocyte Antigens	International Veterinary Immunological Society	\$3,500	PI	9/93 - 8/95
The immune response of the mare to endometrial cups	American Quarter Horse Assoc.	\$88,950	PI	10/92 - 9/95
Soluble CD44 levels in synovial fluid: a prognostic indicator in equine degenerative joint disease	Wisconsin State Horse Council	\$2,500	PI	7/94 - 6/95
Absorption, longevity, and trafficking of maternal lymphocytes in the calf	SVM - Food Animal Research Grant	\$10,260	Co-PI	7/94 - 6/95
The equine maternal immune response to endometrial cups: modulation with heteroconjugate antibodies	SVM, Companion Animal	\$16,000	PI	7/92 - 6/94
Protection from equine influenza infection: the role of IgA versus IgG	Wisconsin State Horse Council	\$2,500	PI	7/93 - 6/94

Professional Student Teaching

College of Veterinary Medicine, North Carolina State University

Didactic Teaching

VMP 920, 2nd year Infection & Immunity, 2 hours of lectures annually, 2014-16

VMB 932, 1st year Clinical Reasoning, 1 hour of lecture annually, 2014-17

Small group facilitator

VMP 921, 2nd year Infection & Immunity course, 13 contact hours, 2014- continuing

VMC 944, 1st year communication course, 8 contact hours, 2017 - continuing

College of Veterinary Medicine and Biomedical Sciences, Colorado State University

Didactic Teaching

PVM 753 course, 3rd year medicine course, 4 hours of lectures annually, 2004-11

PVM763, 3rd year large animal medicine course, 1 hour annually 2006-2009

PVM 714, 2nd year epidemiology course, 2 hours annually 2009-10

PVM Perspective course, 1st year careers course, 1 hour annually, 2007-11

Post-Graduate Medicine Course, 2-3 hours, alternate years, 2004 – 11.

VS580 Physiological Basis of Medicine Post-Grad course, 4 hours annually, 2007 – 11

Micro/Immuno/Path 682, 1 hour, 2009 - 2011.

Laboratory teaching

Problem based learning seminar, 1 hour a week for the semester, 2005-6.

Veterinary Communications coach, 8 hours a week for four weeks, 2007.

University of Wisconsin-Madison, School of Veterinary Medicine

Course Coordinator

Animal Health, History & Restraint - a one-credit second year course, 1991-2000.

Veterinary Diagnostics and Therapeutics - a one-credit second year course, 1991-2000.

Didactic Teaching

Veterinary Medicine I & II, 3rd year medicine course, 10 hours of lectures annually, 1991-present.

Veterinary Physiology, 1st year course, 2 hours of lectures annually, 1991-present.

Animal Health, History & Restraint - 2nd year lab. course, 8 hours annually, 1991-present.

Veterinary Diagnostics & Therapeutics - 3rd year lab. course, 12 hours annually, 1991-present.

Clinical Reasoning - 4th year elective didactic course, 12 - 36 hours annually, 1992-4, and 1997

Preventive Medicine - 3rd year didactic course, 6 hours annually, 1992-4.

Clinical Teaching

Large Animal Medicine Clinical Rotation, 18 weeks annually of clinical service, with an average of 6 students per 2 week rotation, 1991-2000.

Graduate Student Committees

Steven Friedenborg, PhD, Graduate Committee, 2013 – 2016

Brandy Burgess, PhD, Graduate Committee, 2010 – 2014.

Carl Soffler, PhD, Graduate Committee, 2008 – 2012.

Ryan Bragg, MS, Graduate Committee, 2008 – 2011.

Jennifer Yactor, MS, Major Professor, 2005 – 2007. Studies on molecular diagnosis of equine respiratory viruses.

Gisela Soboll, PhD, Major Professor 1997-2002. MS awarded in 1999, thesis entitled: Equine antibody isotype responses to DNA vaccination with the influenza virus hemagglutinin gene. PhD entitled: Equine immunity to respiratory viral infection.

Dane Coombs MS, Major Professor 1999- 2002. Thesis entitled: The quantification of interleukin-4 and gamma interferon mRNA production by peripheral blood mononuclear cells, from ponies experimentally infected with EHV-1.

Emily Sielman, MS, Major Professor 1997-99. Thesis entitled: Generation of monoclonal antibodies to equine IL-2 using DNA vaccination

Kay Nelson, MS, Major Professor, 1993-6. Thesis entitled: Antibody isotypes responses and protective immunity resulting from equine influenza virus infection or conventional vaccination: evaluation of cholera toxin as a mucosal adjuvant

Carol Kim, MS, Major Professor, 1994-7. Thesis entitled:

Characterization of antisperm antibodies in bulls and their effect on In Vitro fertilization.

Jo Slack MS, Major Professor 2000-2003. Thesis entitled:

Antibody responses to nasal vaccination with attenuated *Salmonella typhimurium* carrying equine influenza hemagglutinin DNA

Darlene Konkle, Master of Science, Graduate Committee, 1994-7.

Brian Aldridge, Ph.D, Graduate Committee, 1993-98

Peter Evans, Ph.D, Graduate Committee, 1995-98

Eduardo Saban, Ph.D, Graduate Committee, 1995-9.

Denise Acker, MS, Graduate Committee, 1998-2000

Mark Sweat, PhD., Graduate Committee 1999-2001

Post-graduate training

Dr. Karen Vagnoni, 2 year post doctoral fellowship, 1993-5.

Dr. Cormac Breathnach, 2 year post doctoral fellowship, 2001 – 2004

Dr. Paul Bielec, 2 year post doctoral fellowship, 2002 – 2003

Large Animal Internal Medicine Resident Training - University of Wisconsin-Madison

I participated in the training of each of the following LAIM residents since 1991 (year is time of programs completion). All of these individuals have subsequently become Diplomates of the ACVIM.

Dr. Terry Geros 1992

Dr. Kay Nelson 1995 - Resident supervisor

Dr. Robert Callan 1993

Dr. Elizabeth Triplett 1995

Dr. J McClure 1994

Dr. Darlene Konkle 1997- Resident supervisor

Dr. Christina Garcia-Cantu 1999

Dr. Gabrielle Landolt 2000

Dr. Dane Coombs 2002

Dr. Jo Slack 20003

Continuing Education – Full listing of over 40 presentations available on request.

Committees and Service

Conferences organized and major editorial responsibilities

Fourth Havemeyer Workshop on EHV-1– Member of organizing committee for a four day workshop held in Beaufort, North Carolina, and attended by 36 presenters. Personally raised \$50,000 in sponsorship. October 2018.

First Havemeyer Workshop on Infectious Diseases of Working Equids. Chairman of organizing committee for a four day workshop held in Addis Ababa, Ethiopia, , and attended by 35 presenters. Personally raised \$55,000 in sponsorship, November 2013.

Third Havemeyer Workshop on EHV-1, 2011 – Chairman of organizing committee for a four day workshop held in Steamboat, Colorado, and attended by 32 presenters. Personally raised \$45,000 in sponsorship. September 2001.

Havemeyer Foundation 30th Anniversary Foundation Research Forum: Chaired the equine immunology section, invited five speakers. Saratoga, New York, August, 2011.

Second Havemeyer Workshop on EHV-1 – Chairman of organizing committee for a four day workshop held in Steamboat, Colorado, and attended by 45 presenters. Personally raised \$50,000 in sponsorship. September 2008.

Guest editor (with Dr. David Horohov & Dr. Josh Slater) of the Veterinary Immunology and Immunopathology, EHV-1 Special Issue, Volume 111, issues 1-2, February 2006.

First Havemeyer Workshop on EHV-1 – Chairman of organizing committee for a four day workshop held in San Gimignano, Tuscany, Italy, and attended by 32 presenters. Personally raised \$45,000 in sponsorship. June, 2004,

Guest editor (with Dr. David Horohov) of the Equine Veterinary Journal, Immunology Special Issue, Volume 7, 2001. Personally raised \$7,500 from industry to support publication of this additional volume of the journal.

Equine Immunology 2001 – Chairman of organizing committee for a three day workshop held in Santa Fe, New Mexico and attended by 32 presenters. Personally raised \$39,500 in sponsorship. January 2001.

Guest editor (with Dr. David Horohov) of the *Vet Clinics of North America: Equine Practice: Immunology* Volume 16, 2000.

Guest editor (with Dr. Mark Holmes) of the Veterinary Immunology and Immunopathology, Equine Leukocyte Antigens II Special Issue, Volume 62, issue 2, 1998.

Equine Leukocyte Antigen Workshop II – Chairman of organizing committee for a three day workshop held in Squaw Valley, California and attended by 28 presenters. Personally raised \$17,000 in sponsorship. July 1995.

International and National Boards and Committees

Board Member & Secretary, Board of Directors, Association of American Veterinary Medical Colleges, 2017 – 2019.

Board Member, United States Pork Center of Excellence, 2018 – present

Vice Chairman, Board of Directors, Brooke USA, 2014-8

President, American Association Veterinary Clinicians, 2009-2010 (President Elect, 2008-2010, Past-President 2010-11)).

Chairman, Research Advisory Committee, Grayson-Jockey Club Research Foundation, 2009 – 2014.

Grayson-Jockey Club Research Advisory Committee, 2003-2006, and 2008 – 2014.

American Association of Equine Practitioners, Biological and Therapeutics Committee, 2010 – 2011.

Editorial Advisory Board, Veterinary Immunology and Immunopathology, 2000 - 2010.

Chairman of the International Veterinary Immunological Society Sub-Committee on Equine Immunology, 1993-2004

Editorial Advisory Board, *The Veterinary Journal*, Pubs. Bailliere Tindall, 1998 - 2004.

Graduate Student Awards Committee, American Association of Veterinary Immunologists, 1997-2002.

Appointments Committee, American Association of Veterinary Immunologists, 1997-2000.

Board of the American Association of Veterinary Immunologists, 2000-2004
USDA review panel, Sustaining Animal Health and Well-being: Immunology and Parasitology, 2000-2002, 2004-2006
Grayson-Jockey Club Research Foundation – Research Advisory Committee, 2003-2006, and 2008 – 2009.
AAEP Ad Hoc committee on equine vaccination programs, 2000
American Association of Equine Practitioners, Infectious Disease Committee, 2005 – 2007
- Task Force on Outbreak Control - 2006
- Task Force on Equine Vaccination - 2007
American Horse Council, Health and Regulatory Committee, 2000-present

School Committees

College of Veterinary Medicine, North Carolina State University

As Dean I served on numerous committees in the course of my duties, including the University Council, and the Dean's Council.

College of Veterinary Medicine and Biomedical Sciences, Colorado State University

As Department Head I served on numerous committees in the course of my duties, including the College Executive Committee.

School of Veterinary Medicine, University of Wisconsin-Madison

Hospital and Instructional Resources Committee (Chairman - responsible for identifying long-term development goals for VMTH), 2001-2002

VMTH management committee (Chairman), 2000-2003.

Small Animal Hospital Building Design Committee (Chairman), 2000-2003.

Large Animal Hospital Building Design Committee (Chairman), 2002-2003.

Space Committee, (administers all research and teaching space in SVM), 1992-present

Academic Advisory Council (principal management of the School of Veterinary Medicine), 2000-present

Department of Medical Sciences Executive Committee, 1998-present

Department of Medical Sciences Large Animal Medicine Search Committee (chairman), 2000.

Research Committee, 1996-7.

Large Animal Surgeon Search Committee, 1996.

Department of Medical Sciences Chairman Search Committee, 1994-5.

Department of Medical Sciences Large Animal Medicine Search committee, 1997.

Department of Surgical Sciences Large Animal Surgeon Search Committee, 1997.

Large Animal Research Facilities committee, 1997.

Large Animal VMTH Facilities Planning Committee (Chairman), 1997.

Ad Hoc Reviewer

Grants

USDA, “Sustaining Animal Health and Well-being” 1994-2004
USDA, “Animal Genetic Mechanisms and Gene Mapping” 1996-97
E.P. Taylor Equine Research Fund, Ontario Jockey Club, 1996- 1998
Horserace Betting Levy Board, UK, 1997- present
Home of Rest for Horses, UK, 1998- present

Journals

Vaccine
Equine Veterinary Journal
The Veterinary Journal
Journal of the American Veterinary Medical Association
American Journal of Veterinary Research
Journal of Veterinary Internal Medicine
Veterinary Immunology and Immunopathology
Journal of Virology
Journal of Immunology
Journal of General Virology
Veterinary Research

Professional organizations (current)

American College of Veterinary Internal Medicine
American Veterinary Medical Association
American Association of Equine Practitioners
American Association of Veterinary Clinicians
Association of American Veterinary Medical Colleges
North Carolina Veterinary Medical Association

Awards

LGBTQ+ Veterinary Awareness Award from the Broad Spectrum Veterinary Student Association 2017
Faculty Achievement Award, American Association of Veterinary Clinicians, 2011.
Sir Frederick Smith Lecture, British Equine Veterinary Association Annual Meeting, Birmingham, UK, September 2009.

References: on request