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Citizenship: U.S.A.

Scientific Positions:

Research Microbiologist, USDA, ARS 1986-Present
Acting Research Leader, 2017- 2019
Adjunct Professor, Diagnostic Medicine/Pathobiology, Kansas State University, 2010-present.
Extraordinary Lecturer, University of Pretoria, appointed 2019
Adjunct Associate Professor, Dept. of Veterinary Pathology, Texas A&M, 2014-2018
Adjunct Professor, Molecular Biology, University of Wyoming 1988-2010.
Affiliate Faculty, Microbiology, Immunol. & Pathol., Colorado State University, 1989-2010.
Adjunct Asst. Prof., Veterinary Science, Washington State University, 1993-1996

Educational Record:

B.Sc., Animal Science (Honors), 1979, University of Illinois at Urbana-Champaign
Ph.D., Animal Science/Toxicology, 1985, University of Illinois at Urbana-Champaign
Post-doctoral Training, Biochemistry, 1984-1986, Eppley Cancer Institute, University
Nebraska-Medical Center

Professional Societies:

American Society for Virology, Since 1989
American Society for Microbiology (ASM), Since 1989
American Society for Tropical Medicine and Hygiene (ASTMH), 1989-1999, Since 2008
American Association of Veterinary Laboratory Diagnosticians, Since 1999
American Association for the Advancement of Science, Since 1987
United States Animal Health Association (USAHA), Since 1988

Honors and Awards:

Norman Cromwell Post-Doctoral Fellow 1985
ARS, Administrator's Research Associate Award 1998
Member, Sigma Xi, 1986
ARS Certificate of Appreciation from Dr. Letchworth, ABADRL RL 1999
ARS Certificate of Appreciation from Dr. Gay, ARS Nat'l Program Leader, 2008
ARS Certificate of Appreciation from Dr. Shanwower, CGAHR Center Director 2010
M. Vanier and B. Krause Biosecurity Res. Instit. Res. Fellow, Manhattan, KS, 2016, 2019
Outstanding Regional Laboratory, co-recipient, Consortium of Federal Laboratories, 2017

Previous Employment:

University of Illinois, Research Assistant 1979-1984
University of Nebraska Medical Center, Research Fellow 1984-1986

Professional Committees and Offices:

Vice-Chair, Committee on Bluetongue Virus, USAHA, 2004-2014
Member, Committee on Foreign Animal Diseases, USAHA, 1992 – present
Member, Committee on Parasitic and Vector-borne Diseases, 2016- present
Member, Committee on Bluetongue Virus, USAHA, 1992 – 2016
Member, American Committee for Arthropod-Borne Viruses, ASTMH, 2008-present
Vice-President, Rocky Mountain Branch, ASM, 2000-2001
President, Rocky Mountain Branch, ASM, 2001-2002
President, University of Wyoming Sigma Xi, 1992-1993
Treasurer, University of Wyoming Sigma Xi, 1990-1991

Professional Advisory and Consulting Activities:

Advisory Board Member, Center of Excellence for Vector Borne Diseases, Manhattan, KS, since 2014

Reviewer for:

Animal Molecular Biol. and Mech. of Growth and Development, USDA, CSREES
NIH, (Vaccine delivery panel member 2010)
BARD International Research Development grants
Centers for Disease Control, West Nile Virus Cooperative Agreement Program
USDA, ARS, RPES (panel member)
Faculty scientific peer-review for the Institute Pasteur
Faculty review committee, National Research Foundation, P. R. South Africa
UW Ag Experiment Station competitive grant program
TX-San Antonio SCORE Grant

Invited Guest Editor for special collections:

Viruses, "Virus-Vector-Host Interactions of *Culicoides*-Borne Diseases" 2018
Frontiers in Veterinary Science: "Emerging arboviruses and/or zoonotic diseases" 2019

Editorial Board for Vaccines, MDPI 2019-present

Reviewer for the following journals:

American Journal of Tropical Medicine and Hygiene, BMC Genomics, Canadian Veterinary Journal, Interface, International Journal for Veterinary Science and Medicine, Journal of General Virology, Journal of Medical Virology, Journal of Wildlife Diseases, Journal of Virological Methods, Journal of Veterinary Diagnostic Investigations, Journal of Veterinary Medicine B, Onderstepoort Veterinary Journal, PLoS one, PLoS Neglected Tropical Diseases, Vaccines, Veterinary Pathology, Virus Genes, Virus Research, Vector-Borne and Zoonotic Diseases

Publications:

1. Garst, J.E. and **Wilson, W.C.** An accurate, wide range, automated HPLC method for determination of octanol: Water partition coefficients. J. Pharmaceutical Sci. 73:1616-1623. 1984.

2. Garst, J.E., **Wilson, W.C.**, Kristensen, N.C., Harrison, P.C., Corbin, J.E., Simon, R.M., Philpot, J. and Szabo, J.R. Species susceptibility to the pulmonary toxicity of 3-furyl isoamyl ketone (perilla ketone): *in vivo* support for involvement of lung monooxygenase system. *J. Anim. Sci.* 60:248-257. 1985.
3. Klasing, S.A., Mora, M.I., **Wilson, W.C.**, Fahey, G.C. and Garst, J.E. Biological activity of phenolic compounds. Hepatic cytochrome P-450, cytochrome b₅, NADPH cytochrome c reductase in chicks and rats fed phenolic monomers, polymers, and, glycosides. *Proc. Soc. Exp. Biol. Med.* 179:529-538. 1985.
4. **Wilson, W.C.**, Simon, J. and Garst, J.E. The effects of selected bulky substituents on the pulmonary toxicity of 3-furyl ketones in mice. *J. Anim. Sci.* 68:1072-1076. 1990.
5. Wechsler, S.J., Austin, K.J. and **Wilson, W.C.** Limits of detection of bluetongue virus with different assay systems. *J. Vet. Diagn. Invest.* 2:103-106. 1990.
6. **Wilson, W.C.**, Fukusho, A. and Roy, P. Diagnostic complementary DNA probes for genome segments 2 and 3 of epizootic hemorrhagic disease virus serotype 1. *Amer. J. Vet. Res.* 51:855-860. 1990.
7. **Wilson, W.C.** Development and optimization of a hybridization assay for epizootic hemorrhagic disease viruses. *J. Virol. Meth.* 30:173-182. 1990.
8. Wechsler, S.J., McHolland, L.E. and **Wilson, W.C.** A RNA virus in cells from *Culicoides variipennis*. *J. Invert. Path.* 57:200-205. 1991.
9. Wilson, W.C. Detection of epizootic hemorrhagic disease virus in *Culicoides variipennis* (Diptera: Ceratopogonidae). *J. Med. Ent.* 28:742-744. 1991.
10. Coen, M.L.¹, Ellis, J.A., O'Toole, D.T. and **Wilson, W.C.** Cytokine modulation of the interaction between bluetongue virus and endothelial cells *in vitro*. *Vet. Pathol.* 28:524-532. 1991.
11. **Wilson, W.C.** Molecular comparison of VP3 from bluetongue and epizootic hemorrhagic disease viruses. *Virus Res.* 21:225-236. 1991.
12. Wieser-Schimpf, L., **Wilson, W.C.**, French, D.D., Baham, A., Foil, L.D., Bluetongue virus in sheep and cattle and *Culicoides variipennis* and *C. stellifer* (Diptera: Ceratopogonidae) in Louisiana. *J. Med. Entomol.* 30, 719-724. 1993.
13. **Wilson, W.C.**, Chase, C.C.L., Nested and multiplex polymerase chain reactions for the identification of bluetongue virus infection in the biting midge, *Culicoides variipennis*. *J. Virol. Meth.* 45, 39-47. 1993.
14. Ellis, J.A., Coen, M.L., MacLachlan, N.J., **Wilson, W.C.**, Williams, E.S., and Leudke, A.J. Prevalence of bluetongue virus expression in leukocytes from experimentally infected ruminants. *Am. J. Vet. Res.* 54:1452-1456. 1993.

¹ Italicized authors are graduate students, post-doctoral scientists, or visiting scientists under my or partially under my mentorship at the time the research was performed.

15. **Wilson W.C.** Development of nested-PCR tests based on sequence analysis of epizootic hemorrhagic disease viruses non-structural protein 1 (NS1). *Virus Res.* 31:357-365. 1994.
16. *Jensen, M.J., Cheney, I.W., Thompson, L.H., Mecham, J.O., Wilson, W.C., Yamakawa, M., Roy, P. and Gorman, B.M.* The smallest gene of the orbivirus, epizootic hemorrhagic disease virus, is expressed in virus-infected cells as two proteins and the expression differs from that of the cognate gene of bluetongue virus. *Virus Res.* 32:353-364. 1994.
17. **Wilson, W.C.** Sequence analysis of the nonstructural protein 2 from epizootic hemorrhagic disease viruses. *Virus Res.* 34:63-68. 1994.
18. *Jensen, M.J. and Wilson, W. C.* A model for the membrane topology of the NS3 protein as predicted from the sequence of segment 10 of epizootic haemorrhagic disease virus serotype 1. *Arch. Virol.* 140: 799-805. 1995.
19. *Cheney, I.W., Wilson, W. C., Mecham, J. O.* Geographical genetic variation in the gene encoding VP3 from the Alberta isolate of epizootic hemorrhagic disease virus. *Virus Res.* 36: 279-286. 1995.
20. Pritchard, L.I., Gould, A.R., Mertens, P.P.C., **Wilson, W.C.**, Thompson, L.H. Complete nucleotide sequence of bluetongue virus serotype 2 RNA segment 3 (Ona-A). Phylogenetic analyses reveal the probable origins of this virus. *Virus Res.* 35: 247-261. 1995.
21. Aradaib, I. E., **Wilson, W.C.**, *Cheney, I.W.*, Osburn, B.I. Application of PCR for specific-identification of epizootic hemorrhagic disease virus serotype 2. *J. Vet. Diagn. Invest.* 7: 388-392. 1995.
22. Aradaib, I. E., McBride, J.W., **Wilson, W.C.**, Osburn, B.I. Development of polymerase chain reaction for specific identification of epizootic hemorrhagic disease virus serotype 1. *Arch. Virol.* 140: 2273-2281. 1995.
23. *Cheney, I.W., Yamakawa, M., Roy, P., Mecham, J.O., Wilson, W.C.* Molecular characterization of the segment 2 gene of epizootic hemorrhagic disease virus serotype 2: Gene sequence and genetic diversity. *Virology* 224:555-560. 1996.
24. *Shad, G., Wilson, W.C., Mecham, J.O., Evermann, J.F.* Bluetongue virus detection: A safer reverse-transcriptase polymerase chain reaction for prediction of viremia in sheep. *J. Vet. Lab. Diag. Invest.* 9:118-124. 1997.
25. *Xu, G., Wilson, W.C., Mecham, J.O., Murphy, K., Zhou, E.-M., Tabachnick, W.J.* VP7: An attachment protein of bluetongue virus for cellular receptors in *Culicoides variipennis*. *J. Gen. Virol.* 78:1617-1623. 1997.
26. Bernard, K.A., Israel, B.A., **Wilson, W.C.**, Schultz, K.T. Sequence analysis of two virulence-associated markers of bluetongue virus serotype 17. *Intervirology* 40:226-231. 1997.

27. Brodie, S.J., Mecham, J.O., Diem, K., Norelius, S.E., **Wilson, W.C.** Epizootic hemorrhagic disease: Analysis of tissues by amplification and *in situ* hybridization reveals widespread orbivirus infection at low copy numbers. *J. Virol.* 72:3863-3871. 1998.
28. Brodie, S.J., **Wilson, W.C.**, O'Hearn, P.M., Muthui, D., Diem, K., Pearson., L.D. The effects of pharmacological and lentivirus-induced immune suppression on orbivirus pathogenesis: assessment of virus burden in blood monocytes and tissues by reverse transcription *in situ* PCR. *J. Virol.* 72:5599-5609. 1998.
29. Aradaib, I.E., **Wilson, W.C.**, Schore, C.E., Mohammed, M.E.H., Yilma, T.D., Cullor, J.S., Osburn, B.I. PCR detection of North American and central African isolates of epizootic hemorrhagic disease virus (EHDV) based on genome segment 10 of EHDV serotype 1. *J. Clin. Microbiol.* 36:2604-2608. 1998.
30. **Wilson, W.C.** Preliminary description of a polymerase chain reaction test for bluetongue and epizootic hemorrhagic disease viral RNA in bovine semen. *J. Vet. Lab. Diagn. Invest.* 11:377-379. 1999.
31. Bonneau, K.R., Zhang, N.Z., **Wilson, W.C.**, Zhu, J.B., Zhang, F.Q., Li, Z.H., Zhang, K.L., Xiao, L., Xiang, W.B., and MacLachlan, N.J. Phylogenetic analysis of the S7 gene does not segregate Chinese strains of bluetongue virus into a single topotype. *Arch. Virol.* 145:1163-1171. 2000.
32. **Wilson, WC.** Ma, H.-C., Venter, E.H., van Dijk, A.A., Seal, B.S., Mecham, J.O. Phylogenetic analysis of bluetongue viruses based on gene S7. *Virus Res.* 67:141-151. 2000. Erratum *Virus Res.* 73:201-202. 2001.
33. Johnson, D.J., **Wilson, W.C.**, and Paul, P.S. Validation of a reverse transcriptase multiplex PCR test for the serotype determination of U.S. isolates of bluetongue virus. *Vet. Microbiol.* 76:105-15. 2000.
34. *Meissner J.D*, Mecham J.O. **Wilson, W.C.** Verification of bluetongue virus S9 segment nucleotide sequences. *Virus Res.* 81:93-101. 2001.
35. Campbell, C.L.² and **Wilson, W.C.** Differentially expressed midgut transcripts in *Culicoides sonorensis* (Diptera: Ceratopogonidae) following Orbivirus (Reoviridae) oral feeding. *J. Insect Mol. Biol.* 11:595-604. 2002.
36. McLaughlin, B.E., DeMaula, C.D., **Wilson, W.C.**, Boyce, W.M. and MacLachlan, N.J. Bluetongue and epizootic hemorrhagic disease virus infections of pulmonary artery endothelial cells from cattle, sheep and deer. *Am. J. Vet. Res.* 64:860-865. 2003.
37. Nunamaker, R.A., Lockwood, J.A., Stith, C.E., Campbell, C.L.,² Schell, S.P., Drolet, B.S., **Wilson W.C.**, White, D.M. and Letchworth III, G.J. Grasshoppers can serve as reservoirs and vectors of vesicular stomatitis virus. *J. Med. Ent.* 40:957-963. 2003.

² Cat III Scientist under my supervision

38. Mecham, J.O., Stallknecht, D. and **Wilson, W.C.** Sequence analysis shows a high degree of temporal and geographical conservation in the S7 gene among American isolates of EHDV-2. *Virus Res.* 94:129-133. 2003.
39. Campbell, C.L., Mummey, D.L., Schmidtman, E.T. and **Wilson, W.C.** Culture-independent analysis of midgut microbiota in the arbovirus vector *Culicoides sonorensis* (Diptera: Ceratopogonidae). *J. Med. Ent.* 41:340-348. 2004.
40. Mecham, J.O. and **Wilson, W.C.** Antigen capture enzyme-linked immunosorbent assays (Ag Cap c-ELISA) for bluetongue and epizootic hemorrhagic disease virus using baculovirus expressed antigens. *J. Clin. Microbiol.* 42:518-523. 2004.
41. **Wilson, W.C.**, Stallknecht, D.E. and Mecham, J.O. Field-deployable real-time PCR detection of bluetongue and epizootic hemorrhagic disease viral RNA. *Vet. Ital.* 40:857-593. 2005.
42. Campbell, C.L., *McNulty, M.J.*, Letchworth, G.J. and **Wilson, W.C.** Molecular investigations of virus/vector interactions. *Vet. Ital.* 40:390-395, 2005.
43. Drolet, B.S., Campbell, C.L., Stuart, M.A. and **Wilson, W.C.** Vector competence of *Culicoides sonorensis* (Diptera: Ceratopogonidae) for vesicular stomatitis virus. *J. Med. Ent.* 42:409-418. 2005.
44. White, D.M. **Wilson, W.C.**, Blair, C.D. and Beaty, B.J. Studies on overwintering of bluetongue viruses in insects. *J. Gen. Virol.* 86:453-462. 2005.
45. Campbell, C.L., Vandyke, K.A., Letchworth, G.J., Drolet, B.S. and **Wilson, W.C.** Midgut and salivary gland transcriptomes of the arbovirus vector *Culicoides sonorensis* (Diptera: Ceratopogonidae). *Insect Mol. Biol.* 14:121-136. 2005.
46. Linthicum, K., Anyamba A., Britch S.C., Chretien, J.P., Erickson, R.L., Small J., Tucker C.J., Bennett K.E., Mayer R.T., Schmidtman E.T., Andreadis T.G., Anderson J., **Wilson W. C.**, Freier J., James A., Miller R., Drolet B.S., Miller S., Tedrow C., Bailey C., Strickman D.A., Barnard D.R., Clark G.G., Zou L. A Rift Valley fever risk surveillance system for Africa using remotely sensed data: Potential for use on other continents. *Vet. Ital.* 43: 663-674. 2007.
47. **Wilson, W.C.**, Bernard, K.A., Israel, B.A. and Mecham. J. O. Bluetongue virus serotype 17 sequence variation associated with neutralization. *DNA Sequence* 19: 237-240. 2008.
48. Balasuriya, U.B., Nadler, S.A., **Wilson, W.C.**, Pritchard, L.I., Smythe, A.B., Savini, G., Monaco, F., De Santis, P., Zhang, N., Tabachnick, W.J., Maclachlan, N.J., The NS3 proteins of global strains of bluetongue virus evolve into regional topotypes through negative (purifying) selection. *Vet. Microbiol.* 126: 91-100. 2008.
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50. **Wilson, W.C.**, Letchworth, G.J., Jimenez, C., Herrero, M. V., Navarro, R. Paz, P., Cornish, T.E., Smoliga, G.R., Pauszek, S., Dornak, C., George, M., and Rodriguez, L.L. Field

- evaluation of a multiplex real-time RT-PCR for vesicular stomatitis virus. *J. Vet. Diagn. Invest.* 21:179-185. 2009.
51. **Wilson, W.C.**, O'Hearn, E.S., Tellegren-Roth, C., Stallknecht, D., Mead, D.G., and Mecham, J.O. Detection of all eight serotypes of epizootic hemorrhagic disease virus (EHDV) by real-time RT-PCR. *J. Vet. Diagn. Invest.* 21: 220-225. 2009.
 52. Harpster, M.H.,² Zhang, H., Sankara-Warrier, A.K., Ray, B.H., Ward, T., Carron, K.T., Mecham, J.O., Corcoran, R.C., **Wilson, W.C.**, and Johnson, P.A. SERS detection of indirect viral DNA capture using colloidal gold and methylene blue as a Raman label. *Biosensors and Bioelectronics.* 25: 674-681 2009.
 53. **Wilson, W. C.**, Hindson, B.J., O'Hearn, E.S.,¹ Hall, S., Tellegren-Roth, C., Torres, C., Naraghi-Arani, P., Mecham, J.O. and Lenhoff, R.J. A multiplex real-time reverse transcription polymerase chain reaction assay for detection and differentiation of bluetongue virus and epizootic hemorrhagic disease virus serogroups. *J. Vet. Diagn. Invest.* 21: 760-770. 2009.
 54. Allison, A. B., Goekjian, G.H., Potgieter, C., **Wilson, W.C.**, Johnson D., Mertens, P.P. and Stallknecht D. Detection of a novel reassortant epizootic hemorrhagic disease virus in the United States containing RNA segments derived from both exotic and endemic serotypes. *J Gen Virol.* 91: 430-439. 2010.
 55. Clavijo, A., Sun, F., Lester, T., *Jasperson D.C.*¹ and **Wilson, W.C.** 2010. A real-time polymerase chain reaction for the simultaneous detection of all serotypes of epizootic hemorrhagic disease virus. *J. Vet. Diagn. Invest.* 22: 588-593.
 56. Turell, M., Bennett, K.E. and **Wilson, W.C.** Potential for North American mosquitoes to transmit Rift Valley fever virus. *J. Med. Ent.* 47: 884-889. 2010.
 57. Neng, J.,* Harpster, M.H.,*² Mecham, J.O., **Wilson, W.C.**, Johnson, P. A versatile SERS-based immunoassay for immunoglobulin detection using antigen-coated gold nanoparticles and malachite green-conjugated protein A/G. (*Contributed equally to work) *Biosensors and Bioelectronics,* 26: 1009-1015. 2010.
 58. Miller, M.M. Brown, J., Cornish, T.E., Mecham, J.O., Reeves, W.K. and **Wilson. W.C.** Investigation of a bluetongue disease epizootic caused by bluetongue virus serotype 17 in sheep in Wyoming. *J. Amer. Vet. Assoc.* 237:955-959. 2010
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 60. Zhang, H., *Harpster, M.H.*, Park, H.J., Johnson, P.J. and **Wilson W.C.** Surface-Enhanced Raman Scattering detection of viral DNA using magnetic capture of raman active gold nanoparticles. *Anal. Chem.* 83: 254-260. 2011.
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63. Drolet, B.S., Weingartl, H.M., Jiang, J., Neufeld, J., Marszal, P., Lindsay, R., Miller, M.M., Czub, M., **Wilson, W.C.** Development and evaluation of one-step rRT-PCR and immunohistochemical methods for detection of Rift Valley fever virus in North American biosafety level 2 diagnostic laboratories. *J. Virol Meth.* 2012. 179: 373-382. 2012
64. Zhang, H., Harpster, M.H.,² **Wilson W.C.** and Johnson, P.A. Surface-enhanced Raman Scattering detection of DNAs derived from virus genomes using Au-coated paramagnetic nanoparticles. *Langmuir* 28: 4030-4037 2012.
65. Neng, J., Harpster, M.H.,² **Wilson, W.C.**, Johnson, P.A. Surface-enhanced Raman Scattering (SERS) detection of multiple viral antigens using magnetic capture of SERS-active nanoparticles. *Biosensors and Bioelectronics* 41: 316-321. 2013.
66. MacLachlan, N.J., **Wilson, W.C.**, Crossley, B.M., Mayo, C.E., Jasperson, D.C., Breitmeyer, R.E. and Whiteford, A.M. Novel serotype of bluetongue virus, Western North America. *Emerg. Infect. Diseases.* 19: 665-666. 2013.
67. Faburay, B., **Wilson, W.C.**, McVey, D.S., Drolet, B.S., Weingartl, H., Madden, D., Young, A., Ma, W., and Richt, J.A. Rift Valley fever virus structural and non-structural proteins: Recombinant protein expression and immunoreactivity against antisera from sheep. *Vector-borne and Zoonotic Diseases.* 13, 619-629. 2013.
68. Britch, S., Binepal, Y.S., Kariithi, H.M., Linthicum, K., Ateya, L.O., Oriko, A. A., Gacheru, S., **Wilson, W.C.**, Correlation of risk assessment model to sero-surveillance of Rift Valley fever in Kenyan wildlife. *PLoS One.* 8: e66626. 2013.
69. Drolet, B.S., Reister, L.M., Mecham, J.O., **Wilson, W.C.**, Nol, P., VerCauteren, K.C., vanRijn, P.A., and Bowen, R.A. Experimental infection of white-tailed deer with bluetongue virus serotype 8. *Vet. Micro.* 166, 347-355. 2013.
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71. **Wilson, W.C.** Weingartl, H., Drolet, B.S., Davé, K., Harpster, M.H. Johnson, P.A. Faburay, B. Ruder, M., Richt, J. and McVey, D.S. Diagnostic approached for Rift Valley fever. In Vaccine and Diagnostics for Transboundary and Zoonotic Diseases. *Developments in Biologicals.* 135: 73-78, 2013.
72. Weingartl, H., Miller, M.M., Nfon, C., **Wilson, W.C.**, Development of a Rift Valley fever virus viremia challenge model in sheep and goats. *Vaccine* 32: 2337-2344. 2014.
73. Weingartl, H.M., Nfon, C.K., Zhang, S., Marszal, P., **Wilson, W.C.**, Morill, J.C., Bettinger, G.E., Peters, C.J. Efficacy of recombinant Rift Valley fever virus MP-12 with NSm deletion as a vaccine candidate in sheep. *Vaccine.* 32: 2345-2349. 2014.

74. Weingartl, H.M., Zhang, S., Marszal, P., McGreevy, A., Burton, L., **Wilson, W.C.** (2014) Rift Valley fever virus incorporates the 78kDa glycoprotein into virions matured in mosquito C6/36 cells. *PLoS One* **9**: e87385. 2014.
75. **Wilson, W.C.**, Bawa, B. Drolet, B.S., Lehiy, C., Faburay, B., Jasperson, D.C., Reister, L., Gaudreault, N.N., Carlson, J., Ma, W., Morozov, I., McVey, D.S., and Richt, J.A. Evaluation of lamb and calf responses to Rift Valley fever MP-12 vaccination. *Vet. Micro.* **172**: 44-50. 2014.
76. *Gaudreault, N.N.*, Mayo, C.E., Jasperson, D.C., Crossley, B.M., Breitmeyer, R.E., Johnson, D.J., Ostlund, E.N., MacLachlan, N.J., and **Wilson, W.C.** Whole genome sequencing and phylogenetic analysis of Bluetongue virus serotype 2 strains isolated in the Americas including a novel strain from the western United States. *J. Vet. Diag. Invest.* **26**: 553-557. 2014.
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78. **Wilson, W.C.**, Ruder, M.G., Klement, E., Jasperson, D.C., Yadin, H., Stallknecht, D.E., Mead, D., and Howerth, E. Genetic characterization of epizootic hemorrhagic disease virus strains isolated from cattle in Israel. *J. Gen. Virol.* **96**: 1400-1410. 2015.
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80. **Wilson, W.C.**, Gaudreault, N.N.¹, Jasperson, D.C., Johnson, D.J., Ostlund, E.N., Chase, C.L., Ruder, M.G. and Stallknecht, D.E. Molecular evolution of American field strains of bluetongue and epizootic hemorrhagic disease viruses. *Vet. Ital.* **51**: 269-273 2015.
81. McVey, D.S., Drolet, B.S. Ruder, M.G., **Wilson, W.C.**, Nayduch, D., Pfannenstiel, R., Cohnstaedt, L.W., MacLachlan, N.J., Gay, C.G. 2015. *Orbiviruses – A North American perspective.* *Vector-Borne and Zoonotic Diseases* **18**: 335-338. 2015.
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Extramural Funding

- a. Principal Investigator, National Association of Animal Breeders competitive grant entitled "The use of the polymerase chain reaction for the detection of bluetongue virus in bovine semen." 1992, \$10,000.
- b. Co-investigator on a Foreign Agricultural Service competitive grant entitled "Characterization of Culicoides vectors for transmission of bluetongue virus." 1995-1997, (\$30,000).
- c. Co-principle Investigator on a NIH-Regional Center of Excellence, Sub-award for "Development of SERS Assays for West Nile Virus." 2005-2009 (Project total = \$532,036).
- d. Co-investigator on "Preparing North America for the potential threat of Rift Valley Fever virus introduction" with the Canadian Food Inspection Agency, Winnipeg, Canada. This was extended by a CRBNE Research and Technology Initiative proposal for "Development of Canadian diagnostic capability for Rift Valley fever virus (RVFV)." 2007-2012. (Canadian \$1,759,545).
- e. Principle Investigator on "Evaluation of Rift Valley fever vaccine strains." Department of Homeland Security. 2007-2009. \$2,000,000.
- f. Principle Investigator on a Kansas BioScience Authority grant entitled "Evaluation of Rift Valley fever diagnostic tests in a DIVA control strategy." 2010-2013. \$498,917.
- g. Co-principle investigator on a Department of Homeland Security grant entitled "Development of efficacious DIVA-compatible vaccines for Rift Valley fever virus (RVFV)." 2012-2017. \$1,259,999
- h. Co-principle investigator on a Kansas BioScience Authority grant entitled "Development of countermeasures for Schmallenberg Virus." 2012-2015. Grant Total \$868,514.
- i. Co-principle investigator on a Department of Homeland Security grant entitled "Evaluation and Translation-of-Point of Need Molecular Diagnostics for Transboundary, Emerging and Zoonotic Infectious Agents." 2015-2017. \$215,186

- j. Co-principle investigator on a Department of Homeland Security grant entitled “Pathogen detection and tools for immunological characterization.” 2015-2017. \$122,172.
- k. Co-principle investigator on a Kansas BioScience Authority grant entitled “Epizootic hemorrhagic disease (EHD): epidemiology and development of vaccine for white-tailed deer (*Odocoileus virginianus*).” 2015-2017. \$75,153.
- l. Co-principle investigator on a Kansas BioScience Authority grant entitled “Determination of Infectivity and Disease Potential of the Rift Valley Fever Virus in the White-Tailed Deer.” 2017. \$60,000.
- m. Principle investigator on an USDA, ARS Innovation Fund Proposal entitled “Evaluation of Lateral Flow RVF Diagnostics in South Africa.” 2019. \$25,000.

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