

Xiuqing Wang, Department of Biology and Microbiology, South Dakota State University, Brookings, SD 57007

Education

Ph.D., 2000, Virology, University of Connecticut, Storrs, CT.

M.S., 1991, Veterinary Pathology, Inner Mongolia College of Agriculture and Animal Husbandry (IMCAAH), Huhhot, Inner Mongolia, China.

D.V.M., 1988, Veterinary Medicine, IMCAAH, Huhhot, Inner Mongolia, China.

Appointments/Professional Experience

Professor: Department of Biology and Microbiology, SDSU 2013-present

Associate Professor: Department of Biology and Microbiology, SDSU 2006-2013

Assistant Professor: Department of Biology and Microbiology, SDSU 2002-2006

Post Doctorate: Department of Microbiology and Immunology, University of Rochester Medical Center 2000-2002

Assistant Professor: Department of Veterinary Medicine, Shenyang Agriculture University 1991-1995

Other More Recent Experience and Professional Memberships

2014- Editorial Board of Frontiers in Veterinary Infectious Diseases, Review Editor.

2011-2013: Guest Editor, A special issue of Viruses (a peer-reviewed, open access journal), Animal Arteriviruses and Coronaviruses.

2011-2015: Editorial Board, Would Journal of Virology, a peer-reviewed, open access journal.

2011: Co-chair, Veterinary Virology, BIT's 2nd Annual World Congress of Virus and Infections.

2012-2013: Reviewer for the following journals: Current Microbiology, Archives of Virology, PLOS ONE, Veterinary Microbiology, Journal of General Virology, Foodborne Pathogens and Disease, and others.

2013, 2015: Panelist, USDA-NIFA Animal Health and Disease (A) Panel.

2013-2016: Panelist, Natural Science Foundation of China, Life Science Panel 8.

2000-2014: Full member of the American Society for Virology.

Selected Publications – Past 4 years and papers relevant to the project

Xiuqing Wang, Hanmo Zhang, Alex M. Abel, Eric Nelson. 2016. Protein kinase R (PKR) plays a pro-viral role in porcine reproductive and respiratory syndrome virus (PRRSV) replication by modulating viral gene transcription. Archives of Virology, 161:327–333.

Xiuqing Wang, Hanmo Zhang, Alex M. Abel, Alan J. Young, Liji Xie, Zhixun Xie. 2014. Role of Phosphatidylinositol-3-Kinase (PI3K) and Akt1 kinase in Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Replication. Archives of Virology, 159 (8) 2091-2096.

Cintia Hiromi Okino, Igor Leonardo dos Santos, Filipe Fernando dos Santos, Antônio Carlos Alessi, Xiuqing Wang, Hélio José Montassier. 2014. Inflammatory and Cell-Mediated Immune

Responses in the Respiratory Tract of Chickens to Infection with Avian Infectious Bronchitis Virus. *Viral Immunology*. 27(8) 383-391.

Zhixun Xie, Sisi Luo, Qing Fan, Jiabo Liu, Zhiqin Xie, Yaoshan Pang, Xianwen Deng, Xiuqing Wang. 2013. Detection of Antibodies Specific to the Nonstructural Proteins of Fowl Adenoviruses in Infected, but Not Vaccinated Chickens. *Avian Pathology*. 42(5): 491- 496.

Cintia Hiromi Okino¹, Antônio Carlos Alessi, Maria de Fátima Silva Montassier , Artur Jordão de Magalhães Rosa, Xiuqing Wang, Hélio José Montassier. 2013. Humoral and cell-mediated immune response to different doses of attenuated vaccine against avian infectious bronchitis virus. *Viral Immunology*. 26 (4): 1-9.

Xiuqing Wang, Jane Christopher-Hennings. 2012. Post-transcriptional Control of Type I Interferon Induction by Porcine Reproductive and Respiratory Syndrome Virus in Its Natural Host Cells. *Viruses*. 4:725-733.

Hanmo Zhang, Xueshui Guo, Eric Nelson, Jane Christopher-Hennings, Xiuqing Wang. 2012. Porcine Reproductive and Respiratory Syndrome Virus Activates the Transcription of Interferon alpha/beta (IFN- α/β) in Monocyte-derived Dendritic Cells (Mo-DC). *Veterinary Microbiology*. 159: 494-498.

Qing Fan; Zhixun Xie; Jiabo Liu; Yaoshan Pang; Xianwen Deng; Zhiqin Xie; Yi Peng, Xiuqing Wang. 2012. A reverse transcription loop-mediated isothermal amplification method for rapid detection of bovine viral diarrhoea virus. *Journal of Virological Methods*. 186(1-2): 43-48.

Zhixun Xie, Yi Peng, Sisi Luo, Ying Wang, Jiabo Liu, Yaoshan Pang, Xianwen Deng, Zhiqin Xie, Liji Xie, Qing Fan, Liqiong Teng, Xiuqing Wang. 2012. Development of a Reverse Transcription Loop-Mediated Isothermal Amplification Assay for Visual Detection of Avian Reovirus. *Avian Pathology*. 41(3): 311-316.

Chun-Hua Han, Jian Lin, Xiuqing Wang, Jing-Wen Han, Hui-Juan Duan, Jie Pan and Yue-Huan Liu. 2011. Sialic acid profiles in the respiratory tracts of selected species of raptors: evidence for potential binding sites for human and avian influenza A viruses. *Wildlife Research*. 38: 647-652.
Hanmo Zhang, Xiuqing Wang. 2010. A dual effect of PRRSV replication on the PI3K dependent Akt pathway. *Archives of Virology*. 155:571-575.

Xiuqing Wang, Ding-geng Chen. 2009. Recombinant Murine Cytomegalovirus Vector Activates Human Monocyte-derived Dendritic Cells in a NF- κ B Dependent Pathway. *Molecular Immunology*. 46: 3462-3465.

Xiuqing Wang, Michael Eaton, Malissa Mayer, Hongmei Li, Dong He, Eric Nelson, Jane Christopher-Hennings. 2007. Porcine reproductive and respiratory syndrome virus productively infects monocyte-derived dendritic cells and compromises their antigen-presenting ability. *Arch. Virol*. 152 (2): 289-303.