

Dr. Andreia Arruda Publications:

- 1.M. R. Campler, M. D. Pairis-Farcia, J-L. Rault, G. Coleman, A. G. Arruda. 2018. Caretaker attitudes toward swine euthanasia. *Translational Animal Science*. 2:254-262. doi: 10.1093/tas/txy015.
- 2.A. G. Arruda, J. Sanhueza, C. Corzo, C. Vilalta. 2018. Assessment of the importance of area spread of porcine reproductive and respiratory syndrome virus using three clusters of swine farms. *Transboundary Emerging Diseases*. doi: 10.1111/tbed.12875
- 3.A. G. Arruda, C. Vilalta, P. Puig, A. Perez, A. Alba. 2018. Time-series analysis for porcine reproductive and respiratory syndrome (PRRS) in the United States. *PLoS ONE*. 13(4): e0195282
- 4.M. Alkhamis, A. G. Arruda, C. Vilalta, R. Morrison, A. Perez. 2018. Surveillance of porcine reproductive and respiratory syndrome virus in the United States using risk mapping and species distribution modeling. *Preventive Veterinary Medicine*. 150:135-142.
- 5.M. Alkhamis, A. G. Arruda, R. B. Morrison, A. M. Perez. 2017. Novel approaches for spatial and molecular surveillance of porcine reproductive and respiratory syndrome virus (PRRS) in the United States. *Scientific Reports*. 7, 4343. doi:10.1038/s41598-017-04628-2.
- 6.C. Vilalta, A. G. Arruda, P. Muellner, U. Muellner, M. Alkhamis, P. Valdes-Donoso, S. J. P. Tousignant, R. Morrison, A. Perez. 2017. Multi-disciplinary analytic tools applied to the surveillance of porcine reproductive and respiratory syndrome in U.S. swine farms. *Frontiers in Veterinary Sciences*. 4:94. doi: 10.3389/fvets.2017.00094
- 7.A. G. Arruda, Z. Poljak, D. Knowles, A. McLean. 2017. Development of a stochastic agent-based model to evaluate surveillance strategies for detection of emergent porcine reproductive and respiratory syndrome strains. *BMC Veterinary Research*. 13:171, doi: 10.1186/s12917-017-1091-7
- 8.A. G. Arruda, C. Vilalta, A. Perez, R. Morrison. 2017. Land altitude, slope, and coverage as risk factors for porcine reproductive and respiratory syndrome (PRRS) outbreaks in the United States. *PLoS ONE*. 12(4): e0172638. <http://doi.org/10.1371/journal.pone.0172638>
- 9.A. G. Arruda, M. A. Alkhamis, K. VanderWaal, R. Morrison, A. M. Perez. 2017. Estimation of time-dependent reproduction numbers for porcine reproductive and respiratory syndrome (PRRS) across different regions and production systems of the United States. *Frontiers in Veterinary Sciences*. 4:46. <https://doi.org/10.3389/fvets.2017.00046>.
- 10.A. G. Arruda, R. Friendship, J. Carpenter, K. Hand, D. Ojkic, Z. Poljak. 2017. Investigation of the occurrence of porcine reproductive and respiratory syndrome virus in swine herds participating in an area regional control and elimination project in Ontario, Canada. *Transboundary and Emerging Diseases*. 64(1): 89-100. doi: 10.1111/tbed.12343.
- 11.M. Alkhamis, A. G. Arruda, C. Vilalta, R. Morrison, A. Perez. 2017. Surveillance of porcine reproductive and respiratory syndrome virus in the United States using risk mapping and species distribution modeling. *Preventive Veterinary Medicine*. In Press.
- 12.A. G. Arruda, Z. Poljak, R. Friendship, J. Carpenter, A. Greer. 2016. Evaluation of control strategies for porcine reproductive and respiratory syndrome (PRRS) in swine breeding herds using a hybrid stochastic

13.A. G. Arruda, Z. Poljak, R. Friendship, J. Carpenter, K. Hand. 2016. Network, cluster and risk factor analyses for porcine reproductive and respiratory syndrome using data from swine sites participating in a disease control program. *Preventive Veterinary Medicine*. 128: 41-50.

14.A. G. Arruda, Z. Poljak, R. Friendship, J. Carpenter, K. Hand. 2015. Descriptive analysis and spatial epidemiology of porcine reproductive and respiratory syndrome (PRRS) for swine sites participating in area regional control and elimination programs from three regions of Ontario, Canada. *Canadian Journal of Veterinary Research*. 79(4): 268-78.