

## Refereed publications by NC229 participants

PRRS virus:

1. Tian D, Sooryanarain H, Matzinger SR, Gauger PC, Karuppanan AK, Elankumaran S, Opriessnig T, Meng XJ. Protective efficacy of a virus-vectored multi-component vaccine against porcine reproductive and respiratory syndrome virus, porcine circovirus type 2 and swine influenza virus. *J Gen Virol*. 2017 Dec;98(12):3026-3036. doi: 10.1099/jgv.0.000964. Epub 2017 Nov 1. PubMed PMID: 29091579.
2. Silva GS, Schwartz M, Morrison RB, Linhares DCL. Monitoring breeding herd production data to detect PRRSV outbreaks. *Prev Vet Med*. 2017 Dec 1;148:89-93. doi: 10.1016/j.prevetmed.2017.10.012. Epub 2017 Oct 26. PubMed PMID: 29157378.
3. Chen Z, Collin E, Peddireddi L, Clement T, Gauger P, Hause BM. Genetic diversity in envelope genes of contemporary U.S. porcine reproductive and respiratory syndrome virus strains influences viral antigenicity. *Res Vet Sci*. 2017 Dec;115:432-441. doi: 10.1016/j.rvsc.2017.07.027. Epub 2017 Jul 26. PubMed PMID: 28759862.
4. Hernández J, Rascón-Castelo E, Bray J, Lokhandwala S, Mwangi W. Immunogenicity of a recombinant adenovirus expressing porcine reproductive and respiratory syndrome virus polyepitopes. *Vet Microbiol*. 2017 Dec;212:7-15. doi: 10.1016/j.vetmic.2017.10.020. Epub 2017 Oct 27. PubMed PMID: 29173591.
5. Brockmeier SL, Loving CL, Eberle KC, Hau SJ, Buckley A, Van Geelen A, Montiel NA, Nicholson T, Lager KM. Interferon alpha inhibits replication of a live-attenuated porcine reproductive and respiratory syndrome virus vaccine preventing development of an adaptive immune response in swine. *Vet Microbiol*. 2017 Dec;212:48-51. doi: 10.1016/j.vetmic.2017.11.004. Epub 2017 Nov 6. PubMed PMID: 29173587.
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7. Alkhamis MA, Arruda AG, Vilalta C, Morrison RB, Perez AM. Surveillance of porcine reproductive and respiratory syndrome virus in the United States using risk mapping and species distribution modeling. *Prev Vet Med*. 2017 Nov 16. pii: S0167-5877(17)30008-9. doi: 10.1016/j.prevetmed.2017.11.011. [Epub ahead of print] PubMed PMID: 29169685.
8. Dunkelberger JR, Serão NVL, Weng Z, Waide EH, Niederwerder MC, Kerrigan MA, Lunney JK, Rowland RRR, Dekkers JCM. Genomic regions associated with host response to porcine reproductive and respiratory syndrome vaccination and co-infection in nursery pigs. *BMC Genomics*. 2017 Nov 13;18(1):865. doi: 10.1186/s12864-017-4182-8. PubMed PMID: 29132293; PubMed Central PMCID: PMC5682865.
9. Chen WY, Schnitzlein WM, Calzada-Nova G, Zuckermann FA. Genotype 2 strains of porcine reproductive and respiratory syndrome virus dysregulate alveolar macrophage cytokine production via the unfolded protein response. *J Virol*. 2017 Oct 25. pii: JVI.01251-17. doi: 10.1128/JVI.01251-17. [Epub ahead of print] PubMed PMID: 29070690.
10. Prather RS, Wells KD, Whitworth KM, Kerrigan MA, Samuel MS, Mileham A, Popescu LN, Rowland RRR. Knockout of maternal CD163 protects fetuses from infection with porcine reproductive and respiratory syndrome virus (PRRSV). *Sci Rep*. 2017 Oct 17;7(1):13371. doi: 10.1038/s41598-017-13794-2. PubMed PMID: 29042674; PubMed Central PMCID: PMC5645351.

11. Evans AB, Dong P, Loyd H, Zhang J, Kraus GA, Carpenter S. Identification and characterization of small molecule inhibitors of porcine reproductive and respiratory syndrome virus. *Antiviral Res.* 2017 Oct;146:28-35. doi: 10.1016/j.antiviral.2017.08.006. Epub 2017 Aug 12. PubMed PMID: 28811186.
12. Bian T, Sun Y, Hao M, Zhou L, Ge X, Guo X, Han J, Yang H. A recombinant type 2 porcine reproductive and respiratory syndrome virus between NADC30-like and a MLV-like: Genetic characterization and pathogenicity for piglets. *Infect Genet Evol.* 2017 Oct;54:279-286. doi: 10.1016/j.meegid.2017.07.016. Epub 2017 Jul 13. PubMed PMID: 28713014.
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#### Porcine circovirus type 2:

1. Tian D, Sooryanarain H, Matzinger SR, Gauger PC, Karuppanan AK, Elankumaran S, Opriessnig T, Meng XJ. Protective efficacy of a virus-vectored multi-component vaccine against porcine reproductive and respiratory syndrome virus, porcine circovirus type 2 and swine influenza virus. *J Gen Virol.* 2017 Dec;98(12):3026-3036. doi: 10.1099/jgv.0.000964. Epub 2017 Nov 1. PubMed PMID: 29091579.
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