Deciphering Immunosuppression and Immunological Memory in Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Infections

Research emphasis:
Andrew Kick’s main research interest is the porcine innate and adaptive immune response to PRRSV infection. In particular, he is investigating PRRSV immunosuppression of macrophages and its effect on T-cell memory subset development. Additionally, he is investigating how porcine memory T-cell subsets develop and respond to PRRSV infection and vaccination. Ultimately, he hopes his research determines the memory T-cell correlates of protection in a vaccinated field population exposed to various PRRSV strains.

Applications:
- Porcine model
- Infectious disease
- Innate / adaptive immune systems
- Vaccination studies

Research Strengths:
- Flow cytometry
- Cell culture
- Cortisol radioimmunoassays
- qPCR

Publications and Abstracts:
