Ackert Hall, Room 120
Wednesday, December 3, 2025
4:00 P.M.

Coffee and Cookies
Chalmers Hall, Room 168
3:45 P.M.

Biochemistry & Molecular Biophysics Seminar

Vaccine and porcine-derived neutralizing monoclonal antibody development against swine fever

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Infectious diseases pose a significant threat to both human and animal health. Vaccines offer a critical defense by stimulating antigen-specific adaptive immune responses and generating immunological memory, thereby protecting the host or mitigating the severity of infection. In parallel, neutralizing antibodies serve as highly specific antiviral agents capable of directly inactivating pathogens, blocking viral entry, and accelerating viral clearance. Our Laboratory for Vaccine and Therapeutic Antibody Innovation is dedicated to developing innovative vaccines and host-derived neutralizing monoclonal antibodies (nmAbs) to combat high-impact infectious diseases. In this presentation, I will introduce our success stories in vaccine development and the generation of porcine-derived nmAbs targeting swine fever.