Jason F. Huntley, Ph.D.
High Consequence Pathogen Research Track (Track Leader)

Dr. Huntley’s laboratory studies the intracellular pathogen *Francisella tularensis*, the etiological agent of the zoonotic disease tularemia. Projects in the lab are focused on studying how bacterial envelope proteins (i.e. surface exposed molecules) contribute to infection and disease. The Huntley lab uses a multi-disciplinary approach to identify and characterize virulence factors, examine how *F. tularensis* binds and invades host cells, analyze changes in envelope protein expression profiles inside host cells, uses this information to develop and test new vaccines against tularemia, and assesses host immune responses to infection.