Title: Assistant Professor of Equine Primary Care

Research emphasis:
Neutrophils are the most abundant leukocyte of the innate immune system. They play an indispensable role in host defense and healing, but they are also culpable for tissue injury in human and veterinary patients suffering from numerous diseases including inflammatory airway disease, ischemia-reperfusion injury and acute infection.

Dr. Sheats’s lab is focused on investigating the innate immune response both systemically and within specific tissues. She is specifically interested in mechanisms of neutrophil-mediated tissue damage and identifying new targets to modulate neutrophil responses.

Application:
- Inflammatory Airway Disease
- Systemic Inflammatory Response
- Neutrophil Function

Collaboration potential:
- Novel anti-inflammatory therapies
- Early disease diagnosis and interventions
- Host-pathogen interactions

Selected publications:


