

**Equine Research Committee  
2022 Convention  
Las Vegas, Nevada**

Mister President, the equine research committee makes the following recommendations to the Foundation's Board of Trustees:

**1. To approve the following proposals for funding from the General Research Fund in the amount of \$263,527.20:**

"Antimicrobial Use and its Effects on Prevalence of Antimicrobial Resistance in *Rhodococcus equi* in Horse-breeding Farms in a 5-year Time Frame" at Auburn University in the amount of \$74,039.00

Investigators: Laura Huber DVM, PhD, Noah Cohen VMD, PhD

"Characterizing Nasal T Cell Populations in Equine Herpesvirus Type 1 (EHV-1) Immune and Susceptible Horses" at Cornell University in the amount of \$19,994.00  
Young Investigator Award: Camille Holmes

"Bile Acid Profiling of Pyloric Gastric Fluid and Serum in Horses with and without Equine Glandular Gastric Disease" at Louisiana State University in the amount of \$19,942.00  
Young Investigator Award: Linda Paul DVM

"Stress-induced Clodronate Release to Peak Exercise Training or Bone Insult following Repetitive Administration in Young Horses" at Montana State University in the amount of \$74,932.20

Principal Investigator: Amanda Bradbery PhD

"Response of Healthy Joints to Intra-articular Corticosteroids in Young, Exercising Horses" at Texas A&M University in the amount of \$74,620.00

Principal Investigator: Jessica Lucia Leatherwood PhD

**2. To approve the following proposal for funding from the Refrigerator Fund for Equine Head Trauma in the amount of \$40,835.00:**

"Three-dimensional Finite Element Simulations of Equine Traumatic Brain Injury following Trauma" at University of Florida in the amount of \$40,835.00

Principal Investigator: Adam Biedrzycki DVM, PhD

**3. To approve the Equine Research Subcommittee recommendation for areas of research funding interest for the 2023-2024 grant cycle:**

AQHF supports research to improve knowledge for public benefit to advance the health, welfare, and utility of the American Quarter Horse. The equine research committee will

consider all proposals meeting this overarching goal, with special attention to the following areas of interest:

**Equine Welfare**

- discovery and detection (saliva, breath, blood, urine, hair, etc.) of performance enhancing drugs, masking agents, fitness parameters for competition, exercise physiology, training & factors of aging

**Genomics**

- detection of variants contributing to genetic disorders, detection of offspring from cloned animals, behavior, obesity, selective breeding practices & testing

**Infectious Diseases**

- vaccination & testing for CEM, EHM, EVA & EIA

**Microbiome of the Horse**

- metabolism, link to immune system, management & feeds

**Nutrition**

- nutritional management, EMS & related diseases, supplements

**4. To elect Dr. Holly Spooner as Chair.**

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Dr. Jason Bruemmer, chair

PENDING B.O.T. APPROVAL