

## The Foundation invests in clinical advances of emerging researchers

The Foundation for the Horse has awarded \$59,987 for three innovative equine research projects conducted by AAEP-member graduate students, residents or postdoctoral fellows. Since its inception in 2019, The Foundation's Young Investigators Research Grant program has awarded \$496,662 in support of 26 impactful research projects by up-and-coming investigators.

For the fourth consecutive year, The Foundation was joined by the Thoroughbred Education and Research Foundation in helping make these research projects possible. TERF, whose mission is to make racing safer through research, education and scholarships, provided funding and collaborative support for the project by Dr. Kallie Hobbs, presented below. Since 2020, TERF has partnered with The Foundation on six projects for \$106,389.

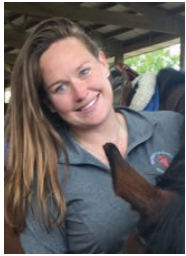
The supported projects with investigator names, research institutions and brief summaries follow:



**Effects of short-term nonstructural carbohydrate supplementation on metabolic function of the oocyte and follicular cells of old mares**  
*Dr. Giovana Di Donato Catandi*  
*Colorado State University*  
 Investigate the extent to which different dietary supplements can reach and alter the follicular environment and, ultimately, the oocyte in aged mares.



**Hepatic gene expression in equine neuroaxonal dystrophy**  
*Dr. Stephanie Ryan*  
*University of California, Davis*  
 Acquire novel insight into the underlying mechanism of eNAD/EDM using RNA-sequencing of liver tissue from 50 eNAD/EDM affected horses and 40 non-eNAD/EDM horses to determine which hepatic genes and pathways are dysregulated with eNAD/EDM.



**Validation of a novel cytokine adsorption device for use in equine patients (TERF sponsored)**  
*Dr. Kallie Hobbs*  
*North Carolina State University*  
 Obtain proof-of-concept data for a clinically relevant approach to treating large animal species with a novel blood purification cartridge (VetResQ®) to improve outcomes for patients with sepsis.

Equine research is one of three pillars of impact—along with education and horses at risk—supported by The Foundation. The 2024 application window for this research grant program will open in the spring. To learn more, visit [foundationforthehorse.org/grants](https://foundationforthehorse.org/grants).

