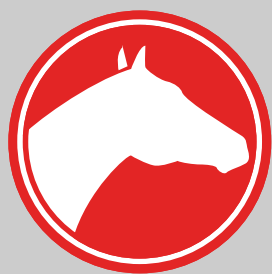


*Funding
Research
To Build
Better
Equine
Health
Since
1940*



**Grayson-Jockey Club
Research Foundation**

**BUILDING
AWARENESS
IN 2022**

Publications, articles, events and ads
with links to the complete online versions.

2022 Project List

Research Spotlight

Equine Research News

Grayson Gazette

Welfare & Safety of the Racehorse Summit Videos

Grayson Interviews

Equine Trade Magazines & Features

Press Releases

Weekly Stewardship Communications

Tribute Program

Rider Program

Jockey Checkoff

Annual Report & Stewardship

Events, Outreach & Building Awareness

Dine-Out & Old Kentucky Chocolates

Sponsorships

Social Media

Grayson Ads



Grayson-Jockey Club Research Foundation 2022 Funded Projects

Grayson-Jockey Club Research Foundation has authorized expenditure of \$1,661,180 to fund 15 new projects at 16 universities, 10 continuing projects, and three career development awards worth \$20,000 each. Since 1983 to more than \$32.1 million to underwrite 412 projects at 45 universities with the 2022 slate.

NEW PROJECTS

Persistence Of Antimicrobial Resistance In Horse Farms

Laura Huber, Auburn University

This project will determine the effect of antimicrobial pressure on multidrug resistant -R. equi persistence in the soil of horse breeding farms in a 5 year period.

Evaluating EVs from Equine Fetally Derived MSCs

Fiona Hollinshead, Colorado State University

This project will be evaluating extracellular vesicles (EVs) from equine fetally-derived mesenchymal stem cells as an endometritis therapeutic.

Development Of A Palmar Osteochondral Disease Model

Chris Kawcak, Colorado State University

The goal of this proposal is to develop an experimental model of palmar osteochondral disease in horses to better study disease progression and facilitate development of improved treatment strategies.

Development Of A Vectored Vaccine To Equine Rotavirus A

Mariano Carossino, Louisiana State University

A novel viral vectored vaccine against equine rotavirus A (G3 and G14), the leading cause of foal diarrhea, will be designed and evaluated in mares and a neonatal mouse model as proof-of-concept.

Immunomodulation And Exosomes To Enhance Tendon Healing

Sushmitha Durgam, The Ohio State University

This study aims to characterize M1 and M2 macrophage-derived inflammatory factors and assess their impact on superficial digital flexor tendon tenocyte activities while examining the potential of extracellular vesicles/exosomes to enhance tendon healing.

Pharmacokinetics Of Oral Mycophenolate Mofetil In Horses

Gwendolen Lorch, The Ohio State University

This proposal will evaluate the pharmacokinetics of orally administered mycophenolate mofetil as a safe, effective and inexpensive immunosuppressant drug for management of equine immune-mediated disease.

Novel Strangles Vaccine Using CD 40-Targeted Delivery

Luc Berghman, Texas A&M University

This project will be targeting bacterial components of *Streptococcus equi* spp. *equi* to the horse's immune surveillance cells (the APCs) that will result in a fast and strong immune response that will protect against strangles.

Trained Immunity In Foals

Angela Bordin, Texas A&M University

This project will study how giving oral live bacteria protects foals against infection by *Rhodococcus equi*, the cause of severe and debilitating pneumonia in foals, for future development of a vaccine.

Immunogenicity In Foals Of An Mrna Vaccine For R. Equi

Noah Cohen, Texas A&M University

This study proposes to develop an mRNA vaccine delivered by inhalation to protect foals against pneumonia caused by *Rhodococcus equi*.

Does Antibiotic Treatment Change The Microbial Resistome

Paul Morley, Texas A&M University

This research will compare four antibiotic treatments to these protocols that can be selected to treat bacterial infections while also lessening the risks for promoting antibiotic resistance.

Equine Placentitis: New Approaches To An Old Problem

Pouya Dini, University of California Davis

The goal of this study is to identify pathogens involved in placentitis and investigate their interaction with the placenta using bioinformatics and in vitro studies to develop better diagnostic and treatment methods.

sponsored by



JOHN WILLIAM POPE
FOUNDATION

Motion Of The Proximal Sesamoid Bones On Uneven Footing

Susan Stover, University of California Davis

This study proposes to determine how hoof conformation, shoeing, and uneven racetrack surfaces could contribute to fetlock breakdowns.

funded by



Influence Of Vitamin D And Cortisol In R. Equi Infection

Kelsey Hart, University of Georgia

This study will investigate how blood levels of cortisol and vitamin D are related to the development and progression of *Rhodococcus equi* pneumonia in foals after natural exposure.

Fentanyl Matrix Patches In Horses

Rachel Reed, University of Georgia

The aim is to show that fentanyl administered via patches placed on the skin is well absorbed and represents a promising means of providing clinically relevant continuous pain relief to horses.

Sirolimus For The Control Of Insulin Dysregulation

Andrew Van Eps, University of Pennsylvania

This study will evaluate the drug sirolimus (a potent suppressor of insulin production) for the treatment of insulin dysregulation (the most important cause of laminitis) in horses.

CONTINUING PROJECTS

Asthma, Performance And Omega-3s In Racing Thoroughbreds

Laurent Couetil, Purdue University

The main purpose of the study is to investigate the variability of asthma severity in horses racing across the US, its effect on performance and determine if omega-3 PUFA supplementation is beneficial.

Mitigation Of Equine Recurrent Uveitis Through SOC's

Joseph Larkin, University Of Florida

This project seeks to design a topical eye drop, using a natural protein, which helps to prevent pain and blindness associated with equine recurrent uveitis.

Environmental Origins Of Equine Antimicrobial Resistance

Brandy Burgess, University Of Georgia

This study will elucidate how antimicrobial resistance and virulence determinants are shared among horses and hospital environment, as well as the role antimicrobial exposure plays at this interface.

Treatment Of Joint Injury With Mesenchymal Stromal Cells

Thomas Koch, University Of Guelph

This projects deals with the evaluation of equine umbilical cord blood-derived mesenchymal stromal cells to treat joint injuries in horses.

Optimizing Bone Growth To Reduce Equine Fracture

Mariana Kersh, University Of Illinois Urbana-Champaign

Reduction in distal limb fractures through exercise in young horses would have a significant positive impact on horse welfare and the economics and public perception of the horse industry.

New Generation Equine Influenza Bivalent-VLP Vaccine

Thomas Chambers, University Of Kentucky

This study proposes to create a novel, safe and effective vaccine for equine influenza based on the 21st-century technology of noninfectious virus-like particles produced in plant.

Injury Prediction From Stride Derived Racing Load

Chris Whitton, University Of Melbourne

By studying patterns in bone fatigue accrual over time in racehorses, this project will help better, and earlier, identify horses at risk of limb injury, facilitating timely evidence based preventative strategies.

sponsored  **JOHN WILLIAM POPE**
by **FOUNDATION**

sponsored  **WINSTAR**
by

additional funding from  **Temple Gwathmey Steeplechase Foundation**
Funding Opportunity, Growth & Change

Predicting Exercising Arrhythmias With Resting Eggs

Molly McCue, University Of Minnesota

This project will use at rest ECGs to identify horses with irregular heart rhythms at exercise that can cause sudden cardiac death (SCD), allowing for increased monitoring and improved understanding of SCD.



Understanding And Preventing Supporting Limb Laminitis

Andrew Van Eps, University Of Pennsylvania

The aim of this study is to make supporting limb laminitis preventable through analysis of archived model tissues, a multi-center limb motion study of horses at risk, and development of a prototype therapeutic device.

Diagnosis Of Incipient Condylar Stress Fracture

Peter Muir, University Of Wisconsin–Madison

This study will save the lives of racehorses by establishing screening using fetlock CT for diagnosis of horses with a high risk of imminent serious injury for personalized clinical care.



CAREER DEVELOPMENT AWARD WINNERS

Storm Cat Career Development Awards

Rosemary Bayless, North Carolina State University, mentor - Dr. Katie Sheats

"Cell-Free DNA as a Biomarker in Equine Colic Patients."

Sarah K. Shaffer, University of California-Davis, mentor - Dr. Susan Stover

"Linking Training to Stress-Reactions in Racehorse Bones."

Elaine and Bertram Klein Career Development Award

Bruno C. Menarim, Gluck Equine Research Center, University of Kentucky, mentor - Dr. James MacLeod

"PPAR- γ Activation in the Treatment of Joint Inflammation."

RESEARCH SPOTLIGHT



2022 FUNDING FOR EQUINE RESEARCH


The board of directors of Grayson-Jockey Club Research Foundation announced that it has authorized expenditure of \$1,661,180 to fund 15 new projects and 10 continuing projects at 16 universities as well as three career development awards. The 2022 slate of research brings Grayson's totals since 1983 to more than \$32.1 million to underwrite 412 projects at 45 universities.

"Grayson aims to support projects that address a wide range of equine health issues, and this diversity can be seen in our approved projects this year," said Jamie Haydon, president of the foundation. "We are not able to fund these research projects and career development awards without the generosity of our donors, and we are grateful to them for recognizing the importance of equine veterinary research."

Grayson is pleased to fund the following projects in 2022.



Since 1983
412 Projects



32.1 Million
45 Institutions

NEW PROJECTS IN 2022

Persistence Of Antimicrobial Resistance In Horse Farms

Laura Huber, Auburn University
This project will determine the effect of antimicrobial pressure on multidrug-resistant *R. equi* persistence in the soil of horse breeding farms in a 5 year period.



Evaluating EVs From Equine Fecally-Derived MSCs

Fiona Hollinshead, Colorado State University
This project will be evaluating extracellular vesicles (EVs) from equine fecally-derived mesenchymal stem cells as an endometritis therapeutic.



Development Of A Palmar Osteochondral Disease Model

Chris Kawcak, Colorado State University
The goal of this proposal is to develop an experimental model of palmar osteochondral disease in horses to better study disease progression and facilitate development of improved treatment strategies.



Development Of A Vectored Vaccine To Equine Rotavirus A

Martino Garosino, Louisiana State University
A novel viral vectored vaccine against equine rotavirus (A G3 and G14), the leading cause of foal diarrhea, will be designed and evaluated in mares and a neonatal mouse model as proof-of-concept.



Spring Edition [Click for this issue](#)

- Announcement of Grant Projects Funding for 2022
- New Projects for 2022
- Second Year Projects for 2022
- Career Development Award Winner

Fall Edition [Click for this issue](#)

- Development of PET Technology for the Equine Athlete
- 10th Welfare & Safety Of The Racehorse Summit Focuses on the Impact of Data
- Interview with a Pony Club Research Fair Participant



Development of PET Technology for the Equine Athlete

Dr. Mathieu Spriet is an Associate Professor of Diagnostic Imaging at the School of Veterinary Medicine at the University of California, Davis and faculty member since 2007. He obtained his DVM degree from the National Veterinary School of Lyon (France) in 2002 and a Master Degree from the University of Montreal (Canada) in 2004.

He has been a diplomate of the American College of Veterinary Radiology and the European College of Veterinary Diagnostic Imaging since 2007, after completing his radiology residency at the University of Pennsylvania.

His research is focused on musculoskeletal imaging in horses, with over 50 publications in peer-reviewed journals. Grayson has assisted in the funding of his research on positron emission tomography (PET) in horses, developing both research and clinical applications.



Dr. Mathieu Spriet

In 2015, Grayson-Jockey Club Research Foundation funded the first research project that performed positron emission tomography (PET) scans on equine athletes. Grayson followed that up with additional research funding in 2019. Now, this cutting-edge research will assist vets coast to coast in identifying lameness problems that are hard to locate.

The 2015 study validated the safety and practicality of a PET scanner specifically designed to image the distal limb in standing horses. After several years and improvements, the PET scanner has an operable ring of detectors specifically designed to image the distal limb of standing horses. The goals of this prospective, preclinical, experimental, methods comparison study were to validate the safety of the scanner, assess image quality, and optimize scanning protocols.

The PET device is now being manufactured and installed at several clinics. Rood & Riddle Equine Hospital announced March 16 the installation of a PET scanner at its Lexington location. Rood & Riddle is the fourth location for this standing PET scanner for horses globally and is the site of the first installation at a private practice.

"We are excited to introduce this new technology for our patients," said Dr. Katherine Garrett, Rood & Riddle's director of Imaging. "PET scans will increase our ability to detect bony injury in horses, which will hopefully lead to improved outcomes."

"Grayson has been a longtime supporter of research on the efficacy of PET scans in diagnosing injuries in horses," said Jamie Haydon, president of Grayson. "We are proud to have contributed to the development of a technology that will help countless horses at Rood & Riddle and other clinics for years to come."

Along with Rood & Riddle, PET scanners have been installed at Penn Vet's New Bolton Center in Kennett Square, Pennsylvania; Santa Anita Park in Arcadia, California, under the management of the Southern California Equine Foundation; the World Equestrian Center in Ocala, Florida, under the management of the University of Florida Veterinary College of Medicine; and the University of Melbourne Equine Centre in Werribee, Australia, in partnership with Racing Victoria.

[Click to review our current and past funded research projects](#)

EQUINE RESEARCH NEWS



Equine Research News

A digital presentation of Grayson-Jockey Club Research Foundation
Providers of Equine Research Since 1940

STALLION STATISTICS SEEKING DURABILITY, SOUNDNESS

This special edition of equine research news, features the stallion durability statistics.

Accompanying is the 14th annual listing of stallions by two criteria as developed by the Durability Committee of the Welfare and Safety of the Racehorse Summit underwritten by The Jockey Club and Grayson-Jockey Club Research Foundation. The aim is to highlight stallions that are commercially viable AND produce progeny statistics that would tend to indicate above average performance in two areas — average number of starts per starter and percentage of foals that get to the races.



To qualify for the lists, a stallion must have ranked within the first 200 sires by progeny earnings for the

2021 Sires by Lifetime Starts per Starter									
Rank	Stallion	YOB	Sire	Foals	RA	Earnings	2021	Starts/	
1	Windor Castle	1998	Lord Carson	422	52,185,903	21.76			
2	Greenley's Galaxy	2002	Mfr. Greenley	205	\$1,186,001	21.33			
3	Northern Affair	1993	Affair	1240	\$1,835,090	20.97			
4	Waigila	2001	Safety's Mark	177	\$2,103,482	20.73			
5	You It's True	1996	I It's True	1388	\$1,325,231	20.72			
6	Congrats	2000	A.P. Indy	1097	\$5,788,866	20.13			
7	Jump Start	1999	A.P. Indy	1000	\$3,888,296	19.82			
8	Include	1997	Broad Brush	831	\$2,438,609	19.51			
9	Ministers Wild Cat	2000	Deputy Minister	541	\$2,173,304	19.21			
10	City Zip	1998	Carson City	1302	\$5,870,461	19.11			
11	Successful Appeal	1996	Vault Appeal	857	\$1,598,564	18.80			
12	Macho Uno	1998	Holy Bull	870	\$2,495,274	18.80			
13	Court Vision	2005	Gluch	309	\$1,960,899	18.62			
14	Bustin' Stones	2004	City Zip	309	\$1,986,515	18.49			
15	Smurty Jones	2001	Elusive Quality	599	\$1,304,823	18.32			
16	Too Much Bling	2003	Rubiano	346	\$2,027,435	18.32			
17	Broken View	1997	Unbridled	1337	\$1,253,937	18.27			
18	Flatter	1999	A.P. Indy	1082	\$7,654,871	18.21			
19	Freezen Fire	2006	A.P. Indy	256	\$1,253,482	18.15			
20	Adios Charlie	2008	Indian Charlie	274	\$2,226,876	18.03			
21	Vionicity	1999	Daring	348	\$2,469,818	17.93			
22	Old Forester	2001	Forestry	130	\$1,972,383	17.89			
23	English Channel	2002	Smart Strike	822	\$8,764,085	17.54			
24	Talent Search	2003	Cristiano	196	\$1,285,737	17.34			
25	Mizzen Mast	1998	Cosmo	1134	\$3,095,052	17.32			
26	Freud	1998	Storm Cat	965	\$2,820,025	17.23			
27	Exchange Rate	1997	Daring	987	\$1,295,447	16.87			
28	Country Day	2006	Speightstown	138	\$1,395,347	16.84			
29	Aweesome Again	1994	Deputy Minister	1343	\$2,266,419	16.78			
30	City Thirty	2008	Bernadini	420	\$4,980,734	16.73			
31	Fiber Scribe	2005	Unbridled's Song	298	\$2,795,238	16.69			
32	Sir Francis Drake (IRE)	2010	Tamayo (GB)	329	\$1,350,005	16.57			
33	Lucky Pilot	2001	Pulpit	490	\$1,239,876	16.55			
34	Kitten's Joy	2001	El Prado (IRE)	1736	\$7,929,243	16.42			
35	Take Charge Indy	2009	A.P. Indy	369	\$3,676,647	16.33			
36	Aweesome of Course	2000	Aweesome Again	382	\$1,254,057	16.32			
37	Big Brown	2005	Boundary	607	\$3,227,995	16.29			
38	Stormy Atlantic	1994	Storm Cat	1089	\$1,465,244	16.29			
39	Warrior's Reward	2006	Melegre d'Oro	402	\$2,562,241	16.22			
40	The Factor	2008	War Front	509	\$7,119,775	16.21			
41	Maffeo Mason	1997	A.P. Indy	891	\$7,719,212	16.18			
42	Tale of the Cat	1994	Storm Cat	1851	\$2,026,443	16.11			
43	Squire Eddie	2006	Smart Strike	300	\$3,068,093	16.11			
44	Alternation	2008	Disco Dancer	218	\$2,478,472	15.97			
45	Spangshorn	1998	Gone West	1361	\$13,048,713	15.94			

Click for this issue

The Annual Stallion Durability and Soundness Statistics -

- 2021 Sires by Lifetime Starts per Starter
- 2021 Sires by Lifetime % of Foals of Racing Age Started
- Top 2021 Sires of Stakes Winners 4 Years Old & Up
- Breed Averages Stats

THE GRAYSON GAZETTE

Click for this issue

Our first Tabloid Mailer featuring a reprint of an article on Grayson from The Plaid Horse along with

- New Projects for 2022
- Second Year Projects for 2022
- Career Development Award Winner
- PET Technology
- Why We Support Grayson
- Dining Out for Grayson participants



The Grayson Gazette

Grayson-Jockey Club Research Foundation

Dedicated to the Development of Equine Research

Active support country of **PLAID HORSE**

The team is given a timeline with certain deliverables they must provide the foundation

"They'll complete their research, and after their manuscript has been submitted to the publications, then the peer-reviewed journal publication, and after the individual investigator and research team review period, it will go to publication," says Haydon. "Usually, one-year grants will be published 12 to 18 months after the completion of the grant." Not only is the research directly impactful to the universities and veterinarians involved, but to each and every horse owner. The research the Grayson-Jockey Club Research Foundation funds is equally important to every discipline and breed within the sport.

"I had a horse that went through colic surgery and had some different treatments done to him that came out of Grayson-funded research," says White. "We're helping the veterinarians come up with the protocols and treatment strategies, and, in some cases, the training strategies to protect the health of the everyday horse. If we don't have the support of the general horse ownership community, that we can't continue to do what we do to provide the practicing veterinarian the tools to help treat your horse in their moment of need."

The foundation hopes to gain support from more associations similar to their partnership with the United States Equestrian Association, in addition to individual donors.

"All these associations are made up of people who love horses and love the sport, and they themselves have dedicated areas that are funding research," says White. "It was kind of get more equine groups to help fill the void."

The Grayson-Jockey Club Research Foundation aims to continue in their journey to find and develop the best equine research and science possible. To better understand and overcome the issues the industry faces.

"We're the largest provider of equine research funding on a family basis, and it's not enough," says Haydon. "We've never left our room thinking we're the funded research, but we always leave wishing we had more to give out."

Visit www.grayson-jockeyclub.org to learn more

an mRNA vaccine delivered by inhalation to protect foals against pneumonia caused by Rhodococcus equi.

A lot of information "came out of the use of mRNA with the COVID-19 vaccine, so it has helped expand into our equine research as well," says Holly White, Director of Development, Grayson-Jockey Club Research Foundation.

Most recently, the foundation received a donation of \$2 million from Dr. John Ballew and Fargo-Moorhead Area Foundation to go towards research focusing on a vaccine for equine herpes virus (EHV).

"This year, in addition to the \$1 million we hope to give out, we will also award out special grants just in the area to cover EHV," says Haydon. "The designation for this will be to develop a vaccine covering all variants. It really is just a way for us to not only further the understanding of the disease but hopefully eradicate it."

The foundation undergoes an intensive process every October in which each grant application is carefully vetted. There can be anywhere from 50 to 70 grant applications from universities across eight different countries.

The grant applications are reviewed by the foundation's Research Advisory Committee, which is made up of 32 individuals, led by veterinary consultant Johnny Mac Smith, DVM, Co-founder of Peterson & Smith Equine Hospital. The chairman of the committee is Stephen Reed, DVM, from Road & Ride Equine Hospital. The remainder of the committee is made up of veterinarians who are academics and private practitioners.

When the foundation receives a grant application, Dr. Smith will review it for content and assign a group of four to each one. That team will be made up of two academics and two private veterinarians, whether they be surgeons, race track vets, sport horse vets, etc. "You don't have to ever want to fund research that's not impactful, so we want to have those practitioners there to make sure we are going to implement it in the field," says Haydon. "They will debate and score each one and then recommend those to the board."

The score that each grant application receives is based on scientific approach, the feasibility of the team, the probability of completion, the impact the research will have, and the budget. Once awarded,

Since its establishment, the Grayson-Jockey Club Research Foundation has provided funding for research covering everything from joint injury to a Novel Strangles vaccine. The research is largely funded by the donations of individuals and organizations in addition to corporate partners. One recent project that was widely successful was the use of a Position Emission Tomography (PET scan) on equines.

"In 2016, a group at The University of California-Davis brought us a project and they said they would like to PET scan a horse. It had never been done outside of humans," says Haydon. "It finds tumors, but it also finds bone healing, and the group at UC Davis was able to adapt a human PET scan, anesthetize a horse, turn him on his side and scan him. In 2018, they came back with another PET scan project that's a new machine. It has a treadmill where you only have to mildly sedate the horse and it goes to scan all four limbs from above the knees in about 40 minutes. There will be eight of those machines in the United States and one in Melbourne, Australia, by the end of the year. So from 2016 to 2022, we took on stuff that had never been done before in horses, and now it's going to be at eight different veterinary clinics around the world."

One project in particular has a unique origin as researchers were able to gain valuable insight from the COVID-19 pandemic. Currently, at Texas A&M University, a team is conducting research to develop

WELFARE & SAFETY OF THE RACE HORSE

SUMMIT X VIDEOS



Equine Injury Database

Dr. Tim Parkin

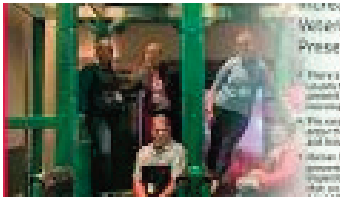
Head of Bristol Veterinary School University of Bristol



Building A Thoroughbred "Two-Year-Old" For Racing

Dr. Larry Bramlage

Surgeon and Partner, Rood & Riddle Equine Hospital



Equine Safety and Welfare- A California Perspective

Dr. Dionne Benson

Chief Veterinary Officer, The Stronach Group Racing and Gaming

Dr. Ryan Carpenter

Surgeon, Equine Medical Center



Jockey Weights, Wellbeing and Fitness – Supporting the Athlete

Dr. Jerry Hill

Chief Medical Adviser, British Horseracing Authority



Equine Wearable Technology

Moderator - Joe Appelbaum

President NYTHA

Will Duff Gordan

Chief Executive Officer Total Performance Data

Dr. Scott Palmer

Equine Medical Director New York State Gaming Commission

Valentin Rapin

Managing Director & Co-Founder Arioneo



Regulatory Veterinarian Panel

Moderator - Dr. Mary Scollay-Ward

Ex.Director & COO Racing Medication and Testing Consortium

Dr. Jaclyn Bradley

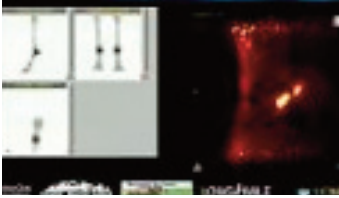
Prairie Meadows

Dr. Will Farmer

Equine Medical Director, Churchill Downs

Dr. Lynn Hovda

Chief Commission Veterinarian, Minnesota Racing Commission



Positron Emission Tomography:

Knowledge Gained From Over 1,000 Racehorse Fetlocks

Dr. Mathieu Spriet

Associate Professor Surgical & Radiological Science

University of California, Davis



Racing Surfaces Testing Laboratory

Dr. Wayne McIlwraith

Founding Director, Orthopaedic Research Center, Colorado State University



The Importance Of Welfare And Safety To Youth

Entering The Thoroughbred Industry

Hosted by: Amplify Horse Racing, Moderator - Annise Montplaisir

Equine Education Coordinator, KEEP Fnd & President, Amplify Horse Racing

Hayley Amoss

Manager of Communications & Social Media, Breeders' Cup

Hallie Hardy

Executive Director, Horse Country

Ferrin Peterson

Jockey & Veterinarian

Eric Resendiz

Student at BCTC Equine & former Amplify Horse Racing Mentee

Deja Robinson

Pre-Vet Student, Internships through Ed Brown Society



Keeneland & the InCompass Programs Including the Thoroughbred Training Center

Dr. Stuart Brown

Vice President of Equine Safety, Keeneland

Chris Dobbins

Senior Vice President, InCompass

GRAYSON INTERVIEWS



Sirolimus for the control of insulin dysregulation

Dr. Andrew Van Eps

Researcher

University of Pennsylvania

Study to determine if sirolimus will be an effective and safe therapy for controlling insulin dysregulation and preventing endocrinopathic laminitis in horses.

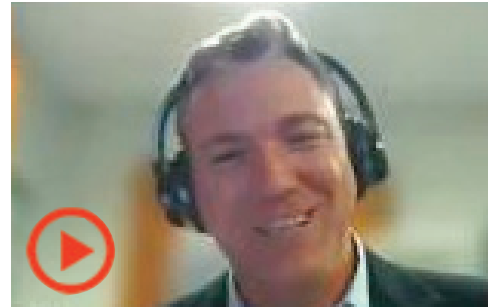
US Eventing Association Research Partnership

Rob Burke

Chief Executive Officer

US Eventing Association

A discussion with President Jamie Haydon on the partnership of US Eventing in helping to fund equine research.



VET CHATS

Webinar presented by **Grayson-Jockey Club Research Foundation**



BISPHOSPHONATES STUDY UPDATE

Dr. Heather Knych, University of California Davis



OPTIMIZING BONE GROWTH TO REDUCE EQUINE FRACTURE

Dr. Mariana Kersh, University of Illinois Urbana-Champaign



IDENTIFYING HORSES AT INCREASED RISK OF DEVELOPING SUDDEN CARDIAC DEATH

Dr. Molly McCue & Dr. Sian Durward-Akhurst, University of Minnesota



ASTHMA, PERFORMANCE AND OMEGA-3S IN RACING THOROUGHBREDS

Dr. Laurent Couetil, Purdue University

Check Out This
Sweet Deal From
Old Kentucky
Chocolates



Old Kentucky Chocolates partnership with Grayson

Julia Kirkpatric & Jamie Haydon

Interviews at local TV stations in Lexington Kentucky
discussing the special partnership with OKC's special equine box.

Click on each photo for the video link.



Old Kentucky Chocolates Equine Box Unwrapping Video

EQUINE TRADE MAGAZINES AND FEATURES



THE
PLAID HORSE

THE GRAYSON-JOCKEY CLUB RESEARCH FOUNDATION

Dedicated to the Development of Equine Research

THE GRAYSON-JOCKEY CLUB RESEARCH FOUNDATION is the industry's leader in equine research funding. Since 1983, the foundation has given \$32.1 million to 45 institutions across 412 projects, with the goal to provide the highest level of research toward equine health and develop the most innovative technology to combat illness and injury.

The foundation was established in the late 1970s by a group of horsemen who not only enjoyed horses for pleasure, but also as a form of transportation. The men began gathering funds in 1977, and by 1983, they were able to give over their first grant to the University of Tennessee.

The foundation is named after Ashford Cary J. Grayson, who was the head of American Red Cross, personal physician to President Woodrow Wilson, and the owner of Blue Ridge Farm, home to several champion racehorses. In 1983, the foundation merged with the Jockey Club to become the Grayson-Jockey Club Research Foundation.

Today, the board of directors is led by chairman Ed Hanisch, who has helped the foundation grow and expand with his commitment and passion for horses. "Horses, vint, and tradition don't go up to an animal and ask what breed it is, what discipline it participates in, or how big it is. These things just happen to the equine community," says Hanisch. President of the Grayson-Jockey Club Research Foundation, "Even though the thoroughbred breed was growing most of the funding and has been traditionally all of our research funding, all horses, it is not an issue for us. We are not breed or discipline."

Since its establishment, the Grayson-Jockey Club Research Foundation has provided funding for research covering everything from joint injury to a horse's digestive tract. The research is largely funded by the donations of individuals and organizations in addition to corporate partners. One recent project that was widely successful was the use of a medical ultrasound technology (PWT) used on equines.

The JCRF, a group at The University of Tennessee, spent months on a project and they would like to see PWT scan a horse. It had never been done outside of human "open" horses. "It took months, but it also took a lot of money, and the group of us was able to adapt a human PWT scan, another horse, and then on his side and scan him. In 2017, they came back with another PWT scan project that's a new machine. It has a breakaway ring where you only have to hold the horse and it goes to scan all four limbs from above the knee to about six inches. They will

[Click for online article](#)

EP. 273 WITH PIPER KLEMM

“Not only are the horses important in the spread [of EHV-1], the people who manage those horses are important, and that's why whenever you're going to congregate a group of horses together, it's absolutely critical that the management team has a biosecurity plan in place ahead of time.”

DR. STEPHEN REED, DVM

[Click here to stream](#)

[ARTICLES](#) • [CONTESTS](#) • [NEWSLETTER](#) • [SHOP](#) • [STALLIONS](#) • [STABLES](#)

2022 Land Rover Kentucky Fun Facts

The highly-anticipated international three-day event April 28-May 1 will welcome the return of capacity crowds and feature a few 'firsts'.

[Click for online article](#)

PAULICK REPORT

SHINING LIGHT ON THE HORSE INDUSTRY

Researching For The Greater Good: Charity Spotlight Presented By Avion Law - Horse Racing News | Paulick Report

[Click for online article](#)

2022 PRESS RELEASES

View the entire press release by clicking on the title

News releases issued by the Foundation, listed by most recent



Central Kentucky Restaurants to Participate in "Dine out for Charity" for Grayson



Old Kentucky Chocolates Now Offering Specialty Chocolate Gift Boxes to Benefit Grayson



Grayson Grass Challenge Returns to Horseshoe Indianapolis



10th Welfare and Safety of the Racehorse Summit Focuses on the Impact of Data



Welfare and Safety of the Racehorse Summit to be Available via Live Stream



Dell Hancock to Receive Dinny Phipps Award at Belmont Stakes Charity Celebration



Grayson-Jockey Club Research Foundation Board Approves Funding for 2022



Welfare and Safety of the Racehorse Summit to Return to Keeneland



Grayson-Jockey Club Research Foundation to Again hold Photo Contest to Celebrate Healthy Horses



Grayson-Jockey Club Research Foundation calls for Research into Equine Herpes Virus Vaccine

WEEKLY STEWARDSHIP COMMUNICATIONS



Grayson-Jockey Club Research Foundation

Celebrating the Joy of the Horse this Holiday Season !



*"I am still under the impression that there is nothing
alive quite so beautiful as a horse." -John Galsworthy*

While there are many laudable efforts being made to improve the health, welfare, and safety of horses, scientific research has the potential to protect the largest number of **all breeds** and disciplines *today, tomorrow, & into the future.*

WE NEED YOU!

Mail Chimp has been an effective tool in getting our message to donors for activities, to solicit donations or to inform our audience of advances in research



Grayson-Jockey Club Research Foundation



What Is Equine Asthma?

Asthma describes a chronic noninfectious, inflammatory obstructive lower airway disorder.

"In a nutshell, this means that small-diameter airways deep in the lungs become chronically inflamed, which obstructs the flow of air in and out of the lungs," says Laurent L. Couëll, DVM, PhD, professor of Large Animal Internal Medicine and director of Equine Research Programs and the Equine Sports Medicine Center at Purdue University's College of Veterinary Medicine, in West Lafayette, Indiana.

TRIBUTE PROGRAM

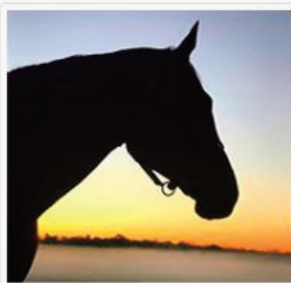
CHAMPION LEVEL



Arrogate

Lisa Bailo

*Donated by:
Lisa Bailo*



Donated by

STERLING
THOMPSON
EQUINE

**Ryan Todd / TC
Sporthorses LLC**

*Donated by:
Sterling Thompson Equine*



VONDEL

Lucy Close

*Donated by:
Page Hodson*

The tribute program allows recognition of a horse in their honor or memory. In 2022 gifts have been made by Sterling Thompson Equine in memory of their client's horses, as well as gifts from owners, fans and friends of the horses being recognized.

JOCKEY CHECK-OFF



This program allows Jockeys to opt in to donating one dollar from each mount to help fund equine research. To date the jockeys from the following tracks have made donation in 2022:

**Del Mar
Delaware
Gulfstream
Keeneland
Los Alamitos
Monmouth
Oaklawn
Prairie Meadows
RUIDOSO
Santa Anita
Sunland**

RIDER AMBASSADOR PROGRAM



Grayson-Jockey Club Research Foundation

Published by Holly White - Baumhover · February 4 ·

...

#feelgoodfriday - Grayson Ambassador Ferrin Peterson serves double duty for the horse. As a jockey and a veterinarian, she always has the health of the horse at the forefront! We are so lucky to have her here in Kentucky!!



BLOODHORSE.COM

Jockey and Veterinarian Peterson Now to Practice in KY

With the main focus on her jockey career, Ferrin Peterson will continue to ride for clients off Rice Road (behind Keeneland), Turfway Park, and the Thoroughbred Training Center while working part-time with a local equine...

i



Grayson-Jockey Club Research Foundation

Published by Holly White - Baumhover · September 6 ·

...

Support our great ambassador [Daniela Moguel](#) as she represents Team Mexico at the [FEI World Championships Pratoni - Roma 2022 Live!](#)

Wishing you and Cecelia a safe and successful trip!



EVENTINGNATION.COM

¡Vamos a Pratoni! Highlighting Mexican Event Rider Daniela Moguel - Eventing Nation - Three-Day Eventing News, Results, Videos, and Commentary

i

Grayson Ambassador [Lauren Nicholson Eventing](#) gives Vermiculus aka Bug a pat after dressage.

Healthy horses performing their best at the [FEI World Championships Pratoni - Roma 2022 Live](#)

Support horse health here: <https://www.grayson-jockeyclub.org/default.asp>



USA Eventing
September 15 ·



Grayson-Jockey Club Research Foundation

Published by Holly White - Baumhover · July 9 ·

...

Grayson Ambassador [Lauren Kieffer Eventing](#) getting in her cross country round just before the storm rolled in! What a fantastic photo and a brave horse.

Horses strive to be our champions, find out how you can be a champion for equine research here: <https://www.grayson-jockeyclub.org/>



ANNUAL REPORT & STEWARDSHIP MAILINGS



The 2021 Annual Report

Details of Activities [click here](#)

Financials [click here](#)

2022 Stewardship Mailings



LANDROVER

The official charity for the Land Rover Kentucky Three-Day Event



Grayson-Jockey Club Research Foundation
Published by Holly White - Baumhover · April 13 ·

It's almost time! Grayson is the official charity of the [Land Rover Kentucky Three-Day Event](#) and the competition kicks off in just **14** days! Be sure to stop out and visit us at our booth and learn more about how we are protecting the health of your very own horse! 🐾

**Land Rover Kentucky Three-Day Event**
April 13 ·

In just **14** days, we're back for the return of the legendary Land Rover Kentucky Three-Day Event presented by [Mars Equestrian](#)! If you haven't purchased your ... [See more](#)





Official Charity Booth

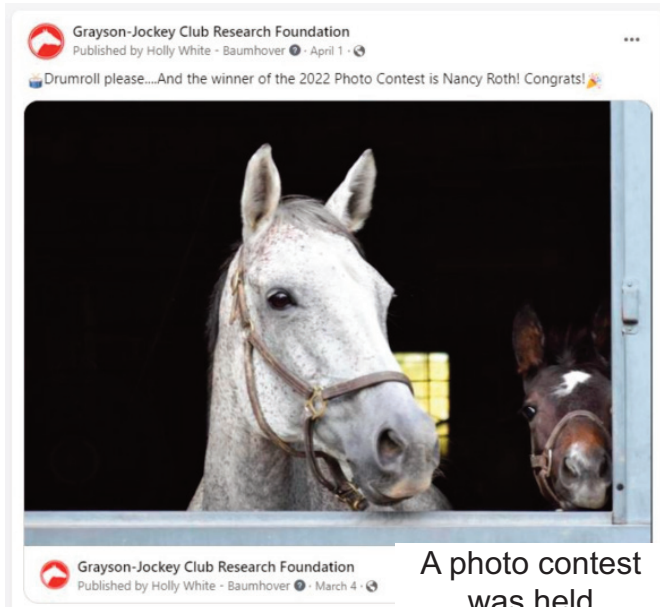


Official Charity Dinner with Live and Silent Auction

Online Auction Items From the Riders at the Event proceeds to research



EVENTS, OUTREACH & BUILDING AWARENESS



A photo contest was held via facebook to build the brand.

Third Annual Grayson Grass Challenge at Horseshoe Indianapolis



Sponsoring the United States Pony Club Science Fair

EVENTS, OUTREACH & BUILDING AWARENESS

Dell Hancock Accepts Dinny Phipps Award at Belmont Stakes Charity Celebration

"Our families have always shared a common bond and common dedication to the horse, and I think that is what has kept us striving in that same direction toward equine health over all those generations and years," said Ogden Phipps II, who presented the award. "[Dell's] work has resulted in innumerable contributions, not just to Grayson and the Thoroughbred industry, but the entire equine industry."... See more



DINE-OUT & OLD KENTUCKY CHOCOLATES



DINE OUT
FOR CHARITY
Benefiting Equine Research



From **October 26 through November 29, 2022** participating restaurants in Central Kentucky will be donating a portion of sales to Grayson-Jockey Club Research Foundation, a 501C-3 non-profit organization. We are dedicated to funding excellent equine research for all breeds of horses worldwide from the racetrack, to the show arena, to your very own backyard.

We encourage you to visit the participating restaurants.

Be sure to mention you are "DINING OUT FOR GRAYSON."

Participants include:



With the purchase of this box you are not only getting a sweet taste of the Bluegrass with Old Kentucky Chocolates, but you are also supporting equine research.

\$1.00 from each box will go to Grayson-Jockey Club Research Foundation



Grayson-Jockey Club
Research Foundation

We invite you to join Old Kentucky Chocolates in supporting horse health at oldkycandy.com

SPONSORSHIPS



United States Pony Club Research Fair • January



Land Rover Kentucky Three Day Event
April • Kentucky Horse Park, Lexington KY



The Premier Sires Show
May 27-June 4 • Kentucky Horse Park Lexington, KY



Junior League Charity Show
July 11-16 • Kentucky Horse Park • Lexington KY



Rood and Riddle Hats Off Day
July 30 • Kentucky Horse Park • Lexington, KY



USHJA Green Hunter Incentive National Championships
August 16-18 • Kentucky Horse Park • Lexington KY



US Equestrian - US Dressage Festival of Champions
August 22-August 28 • Lamplight Equestrian Center • Wayne, IL

Sallie B. Wheeler, USEF, USHJA Hunter Breeding National Championship
East Coast at Virginia Young Horse Festival
August 27 • Virginia Horse Center • Lexington, VA



USHJA Young Jumper Championships
September 7-11 • Traverse City, MI

Sallie B. Wheeler, USEF, USHJA Hunter Breeding National Championships Central at Texas Rose Classic
September 14-18 • Texas Rose Horse Park • Tyler, TX



All American Quarter Horse Congress
September 25-October 23 • Ohio Expo Center • Columbus OH



TIP Championships: 2022 T.I.P. Championships at Stable View & East Coast Dressage Championships
October 6-9 • Stable View • Aiken, SC

Western Championships at the 2022 Thoroughbred Makeover & Central Dressage Championships
October 12-15 • Kentucky Horse Park • Lexington, KY



Retired Racehorse Project
October 12-15 • Kentucky Horse Park • Lexington, KY



National Horse Show
October 26-November 6 • Kentucky Horse Park • Lexington, KY



USDF - US Dressage Finals
November 10 -13 • Kentucky Horse Park • Lexington, KY



United States Eventing Association Annual Meeting and Convention
December 7-11 • Savannah, GA

SOCIAL MEDIA



Grayson-Jockey Club Research Foundation

Published by Holly White - Baumhover • June 5 •

Healthy horses and happy riders competing at the **Premier Sires** show at the **Kentucky Horse Park**. ❤️

Grayson funds research for ALL breeds of horses, check it out ➡ <https://www.grayson-jockeyclub.org>



The Chronicle Of The Horse with Grayson-Jockey Club Research Foundation

Paid Partnership • 22h •

Support equine research and the **Grayson-Jockey Club Research Foundation!** With the purchase of this special equine box of chocolates, get a sweet taste of the Bluegrass with Old Kentucky Chocolates while supporting equine research at the **Grayson-Jockey Club Research Foundation**.

Order a box ➡ <https://oldkycandy.com/grayson-jockey-club-research.../>

\$1.00 from each box will go directly to the foundation, traditionally the nation's leading source of private funding for equine medical research that benefits the breeds of all horses. Since 1983, the foundation has provided more than \$32.1 million to fund 412 projects at 45 universities in North America and overseas. Learn more about the **Grayson-Jockey Club Research Foundation** at [grayson-jockeyclub.org](https://www.grayson-jockeyclub.org).



Grayson-Jockey Club Research Foundation

Published by Mailchimp • August 24 •

Celebrating A Different Breed - Read more on the American Saddlebred here:

<https://mailchi.mp/b01e08f4.../celebrating-a-different-breed>

This week Grayson is a proud sponsor of the World Championship Horse Show featuring Saddlebred horses, you can watch the live stream here: <https://wchorseshow.com/>



Grayson-Jockey Club Research Foundation

Published by Holly White - Baumhover • November 5 •

Barn Night is in full swing at the National Horse Show. Grayson is a proud sponsor of this local event, come out and check out the Grand Prix tonight at the Kentucky Horse Park!



Grayson-Jockey Club Research Foundation

Published by Mailchimp • October 21 •

Grayson continues to put significant resources towards Laminitis. Read more about our research and watch a video with Grayson Funded researcher Dr. Andrew Van Eps here - <https://mailchi.mp/.../grayson-continues-to-put...>

THE SUBTLE SIGNS OF LAMINITIS



Reluctance to turn



Change in behaviour / temperament



A shortened stride / a stiffened gait



Reluctant to pick up their feet



Shifting weight from foot to foot



Abnormal heat at the hoof wall or coronet



Being careful on hard or stony ground / preferring to walk on soft ground



A strong pounding digital pulse

SOCIAL MEDIA



Grayson-Jockey Club Research Foundation is proud to be sponsoring 3'3" Platinum Performance/ United States Hunter Jumper Association - USHJA Green Hunter Incentive Championship.

Lovely to see all these young horses doing what they do best and exemplifying the health of an equine athlete!

Find out how you can support your own horse's health by funding the very best equine research here: <https://www.grayson-jockeyclub.org/default.asp>



Grayson supports horse health for all breeds of horses competing in all disciplines. Check out one of our newest partnerships supporting young horses bred for Hunter competition. Find out more here: <https://www.ushja.org/competition/hunter/sallie-b-wheeler>. Sallie B. Wheeler / USEF / USHJA National Hunter Breeding Championships



A special thanks to Grayson-Jockey Club Research Foundation for your support of Sallie B Wheeler & young horse programs at USHJA



Melanie Mader ▶ Sallie B. Wheeler / USEF / USHJA National Hunter Breeding Championships May 31 · Canva ·



YOUTUBE.COM

Julia Kirkpatrick & Jamie Haydon - Grayson Jockey Club partnership with Old Ky Chocolates

GRAYSON ADS



Funding Equine Research
To Help All Horses Live
Healthier Lives

DONATE TODAY!

grayson-jockeyclub.org



Grayson-Jockey Club
Research Foundation



GRAYSON ADS



Current EHV-1 protocols were developed from past Grayson research, and EHV-1 vaccines will potentially be developed from current Grayson research.

Grayson is always working to address the health of all horses.

Join Us Today!



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**
grayson-jockeyclub.org

*Taking Care
Of Your Horses
EVERYDAY,
By Funding Effective
Equine Research.*



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**



GRAYSON ADS



Grayson-Jockey Club
Research Foundation

Help all horses reach their full stride...
...by funding the BEST equine research!

visit grayson-jockeyclub.org to give

GRAYSON ADS

October 26 through November 29, 2022

Participating Restaurants in the Lexington Area
will be Donating a Portion of Sales to
Grayson-Jockey Club Research Foundation.

If you are in Lexington during this time period,
we encourage you to visit the participating restaurants.

**Be sure to mention you are
“DINING OUT FOR GRAYSON.”**

Some of our participants include:

DUDLEY'S
ON SHORT



For a complete list of restaurants visit grayson-jockeyclub.org



With the purchase of this box of
OLD KENTUCKY CHOCOLATES, you
are not only getting a sweet taste of
the Bluegrass but you are also
supporting **EQUINE RESEARCH.**

\$1.00 from each box will go to Grayson-Jockey Club Research Foundation



We invite you to join
Old Kentucky Chocolates
in supporting horse health at
oldkycandy.com



DINE OUT



FOR CHARITY





We Need You!

Donate to Grayson to fund the best equine research.



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**



THEY NEED YOU!

Donate to Grayson to fund the best equine research.



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**

GRAYSON ADS

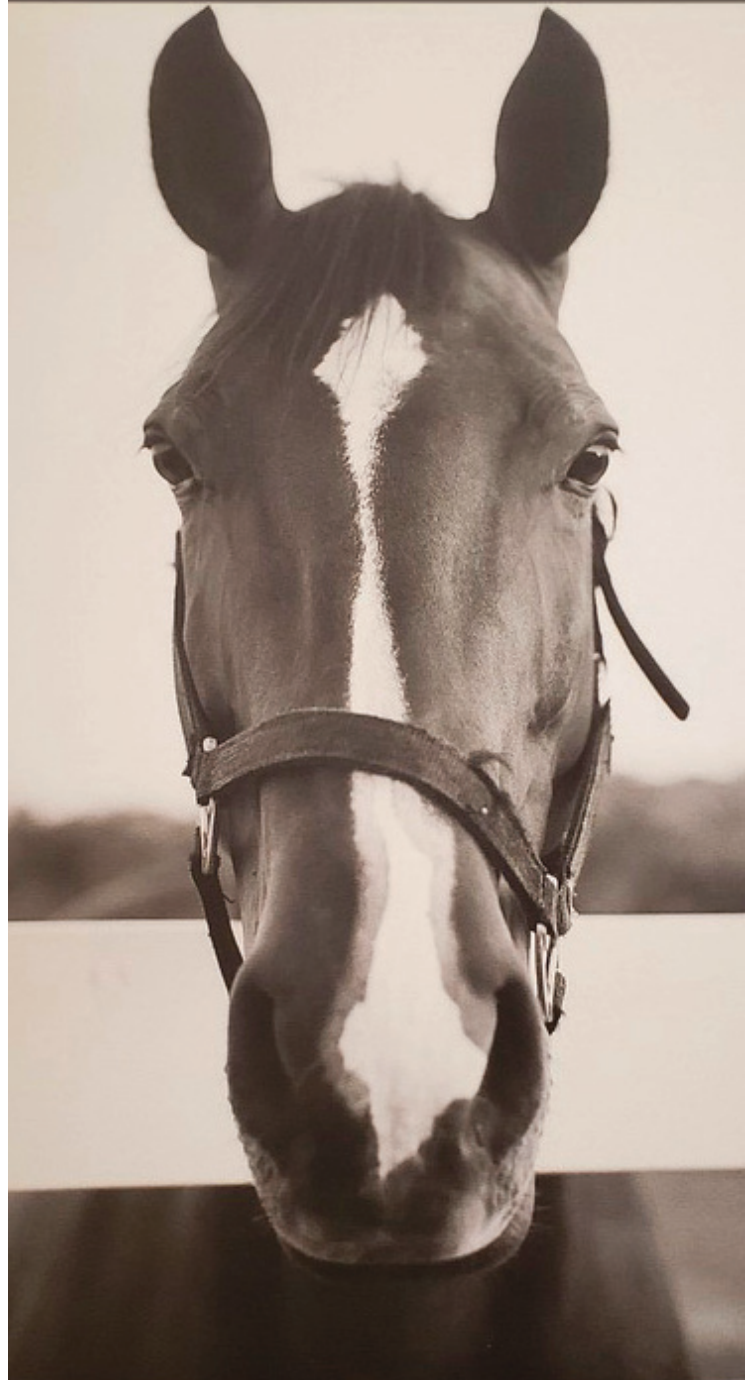
*Funding Equine Research
To Help ALL Horses
Live Healthier Lives!*



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**



*Research benefiting
horses of all breeds!*



**GRAYSON-JOCKEY CLUB
RESEARCH FOUNDATION**





Grayson-Jockey Club
Research Foundation