



CLASSIC EMPIRE GRADE 1 WINS TO BENEFIT EQUINE RESEARCH

John C. Oxley, the owner of Breeders' Cup Juvenile winner Classic Empire, has pledged to Grayson-Jockey Club Research Foundation 1% of the owner's share of any Grade I victories by the colt from now through the Kentucky Derby.

Oxley owns Fawn Leap Farm in Midway, Ky., and is a board member of Grayson-Jockey Club Research Foundation. In 2001, he made a similar pledge in connection with Monarchos. The colt went on to win the Kentucky Derby, generating a donation of \$8,120 to the foundation.

"We appreciate Mr. Oxley's making this generous pledge," said Edward L. Bowen, president of Grayson-Jockey Club Research Foundation. "The precedent of his having won the Derby with Monarchos is a great memory, and we wish him well again. Owners who recognize the benefits of scientific research are very important to the entire world of the horse, and Mr. Oxley exemplifies that echelon of horseman."



Anne M. Eberhardt photo

Classic Empire (Pioneerof the Nile---Sambuca Classica, by Cat Thief) won the Grade 1 Breeders' Futurity and Grade 3 Bashford Manor prior to his Grade 1 Breeders' Cup Juvenile score and has a record of four wins from five starts and earnings of \$1,485,920. He is trained by Mark Casse.

In this edition:

- Share the Wins for 2017 Begins
- A Review of 2016 Research
- Activities and Updates of the Year
- Events of 2016

2016 RESEARCH FUNDED

Grayson-Jockey Club Research Foundation funded over \$1.1 million in 19 equine research projects and two Research Career Development awards. That brings the totals of projects funded to more than \$23.3 million to fund 335 projects at 42 universities in North America and overseas, since 1983.

The projects:

- New treatment options and prophylactic training methods to prevent or reduce the occurrence of Dorsal Displacement of the Soft Palate in young horses starting training
- A new concept for a vaccine to protect horses against the disease known as Strangles
- Testing Positron Emission Tomography imaging that will allow detection of lesions not identified with other techniques
- Use of an inhaled product applied directly into the lungs to increase immune responses to protect foals against *Rhodococcus equi*
- Defining the next step to understand underlying mechanisms of disease by developing a database of tissue-specific gene expression and regulation in the healthy adult horse.
- Determining if drug-resistant *Rhodococcus equi* can persist in the environment and if resistant strains are more likely to cause disease than susceptible strains.

- New pain management options that prove more efficacious and potentially safer
- Validation of a stall-side test that could be used for fast, sensitive, accurate, and cost efficient diagnosis of strangles
- Validation of a new test for *Rhodococcus equi* infections in foals

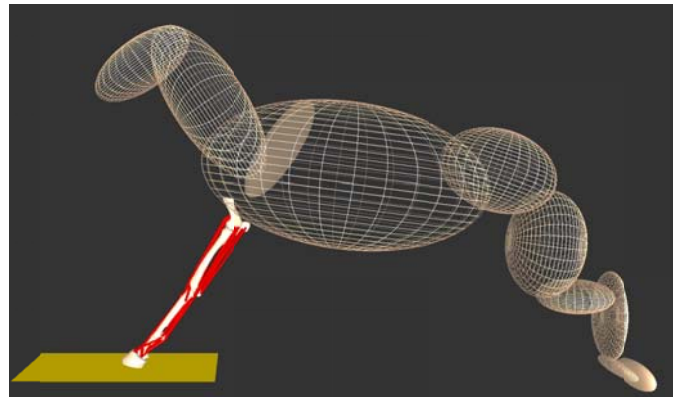


- EHV-1 latency locations; and latency stages exist to speculate on interventional strategies
- Use of a guinea pig model of *R. equi* pneumonia to understand the disease in foals, and evaluate a novel approach for controlling and preventing *R. equi* pneumonia
- Evaluation whether allogeneic mesenchymal stem cells derived from bone marrow (BMDMSCs) are a viable alternative to autologous BMDMSCs in the horse.



- Reviewing stress hormones as well as hormones that affect neurological function in the development and progression of diseases of newborn foals
- Exploration of the mechanism of equine herpesvirus-1 blockage of an immune defense pathway and its relationship to equine herpesviral myeloencephalopathy

- The potential of anti-inflammatory properties of firocoxib to significantly inhibit inflammation, and subsequent preterm delivery of foals, from mares with placentitis
- Providing an evidence-based approach to the optimal treatment of horses with small intestinal strangulating obstruction in order to reduce endotoxemia and increase survival
- Decreasing the healing time in distal limb wounds with an Injectable hydrogel microsphere scaffolds containing endothelial progenitor cells
- A study to guide the design of devices and/or protocols that can be used in the clinical setting to prevent supporting limb laminitis.
- Risk for bone fracture in the fetlock joint due to training program and race surface properties using computer models that simulate bone damage and repair



Two Career Development Awards offered through the Foundation in 2016.

The Storm Cat Career Development Award, inaugurated in 2006, is a \$15,000 grant designed as an early boost to an individual considering a career in equine research. It has been underwritten annually by Mrs. Lucy Young Hamilton, a Grayson-Jockey Club Research Foundation board member whose family stood the retired champion stallion Storm Cat at Overbrook Farm.

The Elaine Klein Development Award is a competitive program intended to promote development of promising investigators by providing a one year salary supplement of \$15,000. This program is restricted to one award per year and is named in honor of renowned horsewoman Elaine Klein.

2016 DERBY PLEDGES

The Foundation was pleased to have several owners with horses on the Derby Trail participate in our special Share the Wins program. Heaven Trees, John Oxley, Speedway Stables and Xpress Thoroughbreds were among owners who pledged 1 percent of net purses (minus entry fees and trainer and jockey fees) for graded stakes up to and including the Kentucky Derby to Grayson-Jockey Club Research Foundation. The Foundation plans a second Derby Trail pledge drive in 2017. Additional information about the Share the Wins program is available at <http://tinyurl.com/http-gjcrfstw1>.

OBITUARY

The Foundation lost two board members in 2016.

Ogden Mills (Dinny) Phipps 75, Chairman of The Jockey Club and a board member of the Foundation, was remembered by the Honorable Earle Mack as “the pinnacle of leadership, who fought every step as an advocate for the health of the horse and integrity of racing.” Mack made a donation of \$100,000 for research in his childhood friend’s memory, suggesting others follow his lead.

William Backer, the renowned advertising innovator had been a member of the Grayson-Jockey Club Research Foundation board of directors since 1997. His efforts on behalf of equine research reflected a long-held devotion to the horse, as a breeder and owner of Thoroughbreds as well as an avid figure in the Virginia hunt fields.

OCALA INITIATIVE

In 2016 the Ocala Initiative began, working with organizations in the equine community in Ocala and throughout Florida to raise \$100,000; soliciting matching funds from individuals. The funds will be earmarked to support equine research at the University of Florida. To date the following have pledged or donated to help meet that goal: Double Diamond Farm, Florida Thoroughbred Breeders and Owners Association, Glen Hill Farm, Gulfstream Park , Niall Brennan Stables, Ocala Breeders' Sales, Ocala Stud, Payton Training Center, and Tampa Bay Downs.

WELFARE AND SAFETY OF THE RACEHORSE SUMMIT VII

The seventh Welfare and Safety of the Racehorse Summit was held June 28th at the Keeneland Sales Pavilion in Lexington, Ky., following 12 reports on topics ranging from racing surfaces, equine injuries and rider safety to nutrition, biosecurity, and respiratory health for horses.

Emceed by Donna Barton Brothers, former jockey and current NBC racing analyst who serves on the advisory board for the Thoroughbred Aftercare Alliance, the summit is organized and underwritten by Grayson-Jockey Club Research Foundation and The Jockey Club. It drew approximately 200 observers as well as an international audience who watched a live video stream.

A video replay of the summit, as well as, several of the presentations are available at <http://tinyurl.com/hdaraj7>.

GRAYSON-JOCKEY CLUB RESEARCH FOUNDATION, INC.

I wish to be enrolled as a member or donor of Grayson-Jockey Club Research Foundation as follows:

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<input type="checkbox"/> Platinum Circle	\$ 7,500 or more
<input type="checkbox"/> Gold Circle	\$ 5,000 or more
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<input type="checkbox"/> Supporting Member	\$ 500 or more
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I do not wish to be a member at this time, but choose to donate \$ _____ to the Foundation.

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 (859) 224-2850 FAX (859) 224-2853 E-MAIL: ebowen@jockeyclub.com

Grayson-Jockey Club Research Foundation is exempt from Federal income tax under section 501 (c) (3) of the Internal Revenue Code of 1986 as an organization operated exclusively for educational and scientific purposes. Contributions made to the Foundation are deductible by donors in computing their taxable income in the manner and to the extent provided by section 170 of the Code.

EVENTS

We wish to thank all of our many sponsors and participants at our various events this year, making 2016 a grand year for the Foundation. Those events included:

Belmont Celebration

2016 Belmont Stakes Charity Celebration (BSCC) honored Thoroughbred owner Stuart Subotnick. The event was held the Thursday before the Belmont, at the Bryant Park Grill in New York City. Located in the heart of New York's famed Bryant Park and adjacent to the New York Public Library, it is one of the country's greatest cultural architectural institutions. The venue proved so popular that the 2017 BSCC will be held there as well.

Saratoga Golf

The 16th Annual Charity Golf Tournament was held Tuesday, August 16, 2016 at the Saratoga National Golf Club in Saratoga Springs, NY. Our 72 golfers who participated this year enjoyed a wonderful lunch in Saratoga National's course-side tent. Awards were presented at a reception at the club house.

Elizabeth Locke Jewels

The Elizabeth Locke Jewels trunk show at Keeneland was a grand success. Ms. Locke is generous enough to extend that percentage program through Christmas for all sales in which the customer mentions the Foundation. We thank all who patronized the show. For more information on the collection visit <http://www.elizabethlocke.com>.

Third Annual Grayson-Jockey Club Research Foundation Day at Kentucky Downs

Sponsorships were sold out for all of the seven races Kentucky Downs made available for the opening day of racing at Kentucky Downs. The Foundation thanks President Corey Johnsen, for the innovative program Kentucky Downs has offered. The quality of the racing was exceptional and we appreciate all seven of our race sponsors for stepping up on behalf of the horse.



We would like to thank all of our sponsors & participants for our successful 2016 events