

Equine Science Center

UPDATE

“Better Horse Care through Research and Education”

Upcoming Events

Horse Management Seminar

Sunday, February 9, 2014
Cook Campus Center
Rutgers, The State University of NJ
New Brunswick, NJ
Call 848-932-5529

Junior Breeder’s Symposium

Saturday, April 5, 2014
G. H. Cook Campus
Rutgers, The State University of NJ
New Brunswick, NJ

Ag Field Day at Rutgers Day

Saturday, April 26, 2014
G.H. Cook Campus
Rutgers, The State University of NJ
New Brunswick, NJ
rutgersday.rutgers.edu

RUTGERS

New Jersey Agricultural Experiment Station

Caring for Your Equine Athlete

“Caring for Your Equine Athlete” is the overarching theme of the upcoming Horse Management Seminar hosted by the **Rutgers Equine Science Center** and **Rutgers Cooperative Extension**. The seminar, scheduled from 8:00 am – 4:00 pm on Sunday, February 9, 2014, will feature presentations by several equine industry experts.

“With the World Equestrian Games (WEG) being held in Normandy, France this fall, we thought this would be the perfect time to focus on the equine athlete,” says Carey Williams, Extension Equine Specialist and Associate Director of Extension for the Equine Science Center. “Our goal in presenting this workshop is to give participants a glimpse into the life of a WEG rider and valuable advice for any equine athlete, whether it’s an international champion or a trusted lesson horse.”

Carey Williams has assembled presenters who are recognized as experts in their field to offer perspectives and personal insight. The morning will start with a panel of top competitors from WEG disciplines, including endurance rider Meg Sleeper, combined driving/dressage rider Sara Schmitt, reiner Matthew Palmer, and eventer Carol Kozlowski, with another rider to be announced from jumping. They will share information about the early stages of their professional career, offer valuable tips for interested riders to get started in their disciplines, discuss inherent trials and tribulations of competing at an

elite level, and will conclude the panel presentation by entertaining questions from the audience.

Other topics and speakers will include “Getting Riders and Horses Ready for WEG” by Jim Wolf, with Wolf Sports Group, consultant to USEF; “Saddle Fitting for All Disciplines” by Rick Wills and Charlie O’Brien of Rick’s Saddle Shop; “Conditioning for Your Equestrian Sport” by Dr. Meg Sleeper, cardiology veterinarian for the Department of Clinical Studies at the University of Pennsylvania; and “Hoof Balance and Horse Performance” by Patrick Reilly, Chief of Farrier Services and Director of the Applied Polymer Research Laboratory, University of Pennsylvania.

In addition to the educational presentations, the Horse Management Seminar will feature informational displays from sponsors, networking opportunities with equine industry companies and area organizations, and ample time for one-on-one discussions with the seminar presenters and invited guests.

Please visit the Equine Science Center website, esc.rutgers.edu, for information about the **Horse Management Seminar program, registration information, and brochure**. For additional details, please contact Laura Gladney at 848-932-3229, gladney@aesop.rutgers.edu, or Carey Williams at 848-932-5529, cwilliams@aesop.rutgers.edu.



From The Clubhouse

Karyn Malinowski, Ph.D., Director



Dear Friends,

Happy New Year to all! I hope the holidays were not only a bustle of excitement, but rejuvenating as well. I know that here at the Center we are all revving up for another incredible year! In an effort to continue learning and growing, I took some time to reflect on the accomplishments of 2013 as a whole.

The past year proved to be a successful one in research, in an array of disciplines. The Equine Science Center has discovered a more sustainable combination of pasture grass varieties that will save you time

and money on your farm. An ongoing research project is also investigating the *scientific* facts on the benefits of rotational vs. continuous grazing. In the Malinowski, McKeever, and Williams labs, we continue to shed more light on the role of antioxidants and heat shock proteins during exercise leading us to further understand how to handle physiological stress during exercise, as well as the balance between exercise, inflammation and insulin signaling. Our heat shock protein research will forge the way towards illustrating a horse's energy balance at the cellular level, in addition to better understanding and treating metabolic disorders like insulin resistance. Learn more about ongoing research at the Center by reviewing our **annual report**.

It's not just the research throughout 2013 that excites me, but all of the events the Equine Science Center hosted last year to extend the Center's work out to you. From the **Horse Management Seminar** in February, to **Rutgers Day** in April, to an **Evening of Celebration and Science** in November, your Equine Science Center was working year-round in 2013 to bring you better horse care through research and education. Our signature end of the year event took on a new air this past year. Keynote speaker, Dr. Ray Geor, captivated our 200+ person audience with his professional insights and unbridled eloquence discussing the pertinent issue of Equine Metabolic Syndrome. We continue to reach out and develop partnerships with veterinarians in New Jersey and beyond in an

effort to provide accredited information on relevant topics and cultivate relationships between organizations and companies with the same vision to better serve the equine industry.

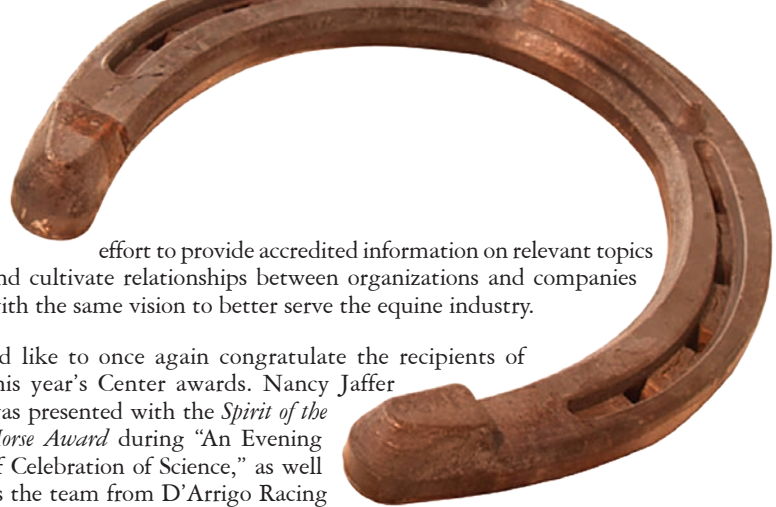
I'd like to once again congratulate the recipients of this year's Center awards. Nancy Jaffer was presented with the *Spirit of the Horse Award* during "An Evening of Celebration of Science," as well as the team from D'Arrigo Racing Stables which accepted the *Gold Medal Horse Farm* award in honor of their environmentally sustainable farm management practices.

I personally rang in 2014 with the offering of the "*Developing Future Leaders for the Equine Industry*" short course. Students assembled for the two-day intensive course, which hosted prominent speakers in their respective fields covering a range of topics from marketing, building effective relationships with legislators to conflict management and coalition building. During 2014, The Center will also launch the Alumni 10k Challenge! Funding future equine research will be made possible by proactive alumni and individuals seeking to make a difference in the industry. For every dollar contributed, I will match it up to \$10,000. This means that at least \$20,000 will be donated to equine research from alumni this year. If you would like more information about how you can make a meaningful gift to the Center, please email me at malinowski@aesop.rutgers.edu.

I am excited for the opportunities, relationships and achievements that 2014 will bring! Be sure to continue checking our website for news and updates in the horse industry, as well as tips on caring for horses in this **severe winter weather**. Also, mark your calendar for the **Horse Management Seminar** on February 9th where world class riders will gather to share insight and expertise on their respective disciplines, and caring for an elite athlete. This is not a day to miss!

Stay warm everyone, and I look forward to seeing you all at various Equine Science Center events in this new "Year of the Horse!"

Bestest,
Karyn



Partners



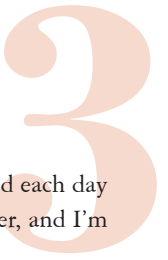
Established in 1961, the **Standardbred Breeders & Owners Association of New Jersey [SBOA NJ]** has a membership comprised of horse breeders, drivers, trainers, owners, and backstretch personnel, and its mission is to support and promote the standardbred industry in New Jersey. The Board of Directors authorizes stallion, mare and foal registrations, negotiates with track management, actively oversees and administers a benefits program, and advances legislation favorable to the horse racing industry. For more information, please visit www.sboanj.com.



NEW JERSEY
DEPARTMENT OF AGRICULTURE
The New Jersey Department of Agriculture (NJDA)

is an agency which oversees programs that serve virtually all New Jersey citizens. One of the Department's major priorities is to promote, protect and serve the Garden State's diverse agriculture and agribusiness industries. In addition to the programs we offer to support production agriculture, NJDA also manages programs that feed schoolchildren, distribute surplus federal foods to soup kitchens and pantries that serve our needy citizens, conserve precious soil and water resources, protect farmland from development and preserve it for future agricultural use, expand export markets for fresh and processed agricultural products, and promote our commercial fishing industry, and administer the complete program of agriculture, food and natural resource education, which includes the State FFA Association. For more information about NJDA, please visit www.nj.gov/agriculture/index.shtml

Step Up to the Challenge!



Karyn Malinowski has issued a challenge to all alumni members who have studied and worked with horses at the Equine Science Center.

The challenge is to raise \$10,000 for the Center by July, 2014. We're asking 100 alumni to donate \$100 each to reach the goal. The money will be used to support an upcoming research projects at the Center. It won't go to the football team. It won't go to repave a parking lot nor to faculty and staff salaries. The money will be earmarked in support of Equine Science Center student research projects.

As an added incentive, Dr. Malinowski will **PERSONALLY MATCH** the \$10,000 donation amount for a total gift of \$20,000!

"I'm excited about this alumni engagement opportunity," said Malinowski. "Many of our graduates have charted amazing careers that are rooted in their love for horses and the invaluable knowledge and experiences gained while studying with the mares at the Equine Science Center. Participating in the 10k Challenge is the perfect way to honor that experience while providing opportunities for the next generation of equine scientists and professionals."

Nettie Liburt, GSNB '05 Ph.D. '11, has volunteered as the alumni liaison to lead the charge for this initiative. She has assembled a committee of fellow alumni to assist with spreading the word about the 10k Challenge.

"Personally, I can say that the Equine Science Center was the main reason I wanted to pursue my graduate education at Rutgers," said Liburt. "During my time there, I gained a whole new respect for horses, their willingness to work for us, their

tolerance for our mistakes and their amazing heart. I was inspired each day I had the privilege to work and learn at the Equine Science Center, and I'm proud to call myself an alumnus."

How were you inspired at the Equine Science Center? Think of the ways in which your experience learning at and interacting with the Center helped to put you on the career path that you are on today. By participating in the 10k Challenge, you can ensure that future students have the same opportunities to conduct hands-on research alongside expert faculty members in the Red Barn.

The Center has created an exclusive webpage just for the initiative (esc.rutgers.edu/10kChallenge.htm). Donors will receive recognition for their gift on the webpage and are encouraged to share information about the challenge with their peers and fellow alumni. Also, many employers offer charitable giving matching programs. Increase your individual gift by asking if your company offers a donation match.

"I know that we can get at least 100 alumni to give back," added Liburt. "While individually we may not be able to give \$10,000, as a unified group of alumni, we can truly make a meaningful gift to the Center as they continue to provide invaluable hands-on experiences for the next generation of horse-crazy scientists."

For additional details about the 10k Alumni Challenge, please contact Nettie at nrliburt@yahoo.com, or Tiffany Cody at cody@aesop.rutgers.edu, 848-932-9419.

WE NEED YOUR HELP TO ACHIEVE OUR GOAL!



FREE MONEY! Scholarship Opportunity

The Equine Science Center will begin taking applications for the Doris C. Murphy scholarship on Monday, February 17, 2014. The Doris C. Murphy scholarship is reserved for accepted or currently enrolled female students at the School of Environmental and Biological Sciences who are New Jersey residents. Applicants must be majoring in Animal Sciences with a minor in Equine Science. Additional criteria include a financial need, academic merit, and a demonstrated interest in equine science.

Up to five \$1,000 awards are available annually. The deadline to submit an application for the 2014/2015 academic year is Monday, May 5, 2014.

For more information about the Doris C. Murphy scholarship, please visit esc.rutgers.edu/scholarships.htm or contact Tiffany Cody at cody@njaes.rutgers.edu or 848-932-9419.

Congratulations again to the 2013/2014 scholarship recipient: Rachel Walter!

LEAVE THE TREES ON YOUR FARM — NOT IN YOUR MAILBOX!

In an effort to reduce print production and postal costs, please opt-in to receive your newsletter via email. By going digital, you will receive exclusive invitations to events and two supplemental newsletters!

Joining the e-newsletter list is easy! Just scan the QR code on the right using your smart phone and enter your preferred contact information. Or you can email us at cody@aesop.rutgers.edu with your name and email address. It's that simple!

Forward this newsletter to all of your horsey friends and encourage them to join the email list as well! Thank you for helping us Go Green!



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esc.rutgers.edu

Equine Science Center

Better Horse Care Through
Research and Education



Karyn Malinowski
Director
Equine Science Center
Phone: 848-932-9419
Email: malinowski@aesop.rutgers.edu



Kelly Lankau Watts
Associate Dean and Director of Development
School of Environmental and Biological Sciences
Phone: 848-932-9000 ext. 576
Email: watts@aesop.rutgers.edu

Tiffany J Cody
Public Relations Specialist
Equine Science Center
Phone: 848-932-9419
Email: cody@aesop.rutgers.edu



An Evening of Celebration and Science *Tuesday, November 19*

An Evening of Celebration and Science – The Equine Science Center's annual year-end event, held on Tuesday, November 19, featured world-renowned equine metabolic syndrome expert **Ray Geor**, BVSc, MVSc, PhD, DACVIM. The event was attended by more than 200 guests, including over 25 equine veterinarians.

The evening began with welcoming remarks by Equine Science Center Director **Karyn Malinowski**, followed by a presentation by current Rutgers University undergraduate student **Kristen Johnson**, National 4-H Horse Roundup Public Speaking Winner. The keynote lecture was next on the agenda as Dr. Geor presented, "Unraveling Equine Metabolic Syndrome: Definition, Diagnosis, and Management." Guests were treated to a few award presentations including the "Spirit of the Horse" award, which honored noted equestrian photojournalist, Nancy Jaffer. To further underscore the "Spirit of the Horse" award,

a RU Community Service Officer escorted Mounted Patrol horse, Dodgeball, into the Cook Campus Center to present the award to Ms. Jaffer. The Equine Science Center was equally enthusiastic to present D'Arrigo Racing Stables with the "2014 Gold Medal Horse Farm" award. After the award presentations concluded, the scientific presentations resumed. **Carey Williams** presented "The Power of Youth Fights Against Oxidative Stress." **Bill Sciarappa** presented "Environmental Exacts of Equine Operations," and **Paul Gottlieb's** "New Jersey? Why Kentucky?" – The geographic clustering of equine industry & lessons for future growth" closed the evening.

Pictures from the event can be found on the Equine Science Center's Facebook page at esc.rutgers.edu/fb and [archives of the presentations](#), including an audio recording of Dr. Geor's lecture, is on the Events page at esc.rutgers.edu.

