

PR 1

Office of the President
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1. Zika Website Gives Kentuckians Latest Information

University of Kentucky entomologists recently developed a website that will have the most up-to-date information on the Zika virus and its spread, as mosquito populations around the state begin to build. The website includes links to the Centers for Disease Control and Prevention's Zika virus web page, information for pregnant women, a map of confirmed cases of Zika in the United States, products used to control mosquitoes and educational activities for children. Mosquito control videos in both English and Spanish are also available. As of May, Kentucky has had six such cases reported.

2. UK Named Founding Member of University Coalition for Fossil Energy Research

The University of Kentucky is one of nine founding members of a six-year, \$20 million U.S. Department of Energy (DOE) funded project that is seeking to advance fossil fuel technology. Called the University Coalition for Fossil Energy Research, the project will identify, select, execute, review and disseminate knowledge from research that will improve the efficiency of production and use of fossil energy resources while minimizing the environmental impacts and reducing greenhouse gas emissions. Pennsylvania State University will lead the coalition, which is funded by DOE's National Energy Technology Laboratory. In addition to Penn State and UK, other university partners include: the Massachusetts Institute of Technology, Princeton University, Texas A&M University, University of Southern California, University of Tulsa, University of Wyoming and Virginia Polytechnic Institute and State University.

3. 13-Year-Old Boy Enjoys Being "Normal Kid" Again After Epilepsy Surgery at UK

Joey Maggard had his first seizure five years ago and suffered so many debilitating seizures (20 to 30 a month) that he could not attend school for the second half of his sixth-grade year. A painstaking process of brain-mapping prepared Joey for the surgery at University of Kentucky that would leave him seizure-free and without motor deficits. Dr. Qutubuddin G. Khan, Kentucky Neuroscience Institute (KNI) pediatric neurologist, who had been treating Joey, felt he was a good candidate for surgery and referred him to Dr. Meriem Bensalem-Owen, director of the Epilepsy Program at KNI, for further evaluation. Eventually, KNI neurosurgeon Dr. Thomas Pittman performed the surgery to remove the lesions that were causing Joey's seizures.

4. UK Shoulder to Shoulder Global Brigade Helps Relief Efforts in Ecuador

In May, Shoulder to Shoulder Global led 41 University of Kentucky students, faculty and community members on a 10-day interdisciplinary health brigade experience in Ecuador. Participants worked in conjunction with the Ecuador Ministry of Health and the Centro de Salud Hombro a Hombro (CSHH) to assist earthquake refugees in addition to providing health services and health education in Santo Domingo, Ecuador. The CSHH clinic, the primary worksite for UK's STSG brigades, has been supporting local efforts and assisting earthquake victims since the 7.8-magnitude earthquake struck Ecuador April 16.

5. 'Hidden Wonders' Exhibit at UK Gives Dementia Patients Art Outlet

Beginning this past February, Ann Christianson-Tietyen and Allan Richards, researchers and art education faculty at University of Kentucky School of Art and Visual Studies, have been studying how the visual arts can have a positive effect on patients who suffer from mild to moderate dementia. The study also includes patient caregivers. An exhibition of art created by study participants was put on display in the Art and Visual Studies Building in April. By having study participants create art — painting, ceramics and collage — the researchers hope to enhance problem solving skills, focus/concentration, and hand-eye coordination for patients. They also hope to see an improvement in mood and overall thinking, which would contribute significantly to quality of life.

6. UK Study Shows New Potential Marker for Obesity

A new study led by University of Kentucky researchers and published in Nature shows a potential new biological marker for the development of obesity and a possible target for obesity prevention and treatment. Neurotensin (NT), a peptide produced mainly in the gastrointestinal tract and central nervous system, is released with fat ingestion and facilitates fatty acid absorption in the intestine. Previous research has shown that NT can also stimulate the growth of various cancers and increased fasting levels of pro-NT (an NT precursor hormone) are associated with development of cardiovascular disease and breast cancer.

7. UK Study Reveals Regular Exercise at Any Age Could Keep the Mind Young

Recent research suggests that exercise might provide some measure of protection from Alzheimer's disease (AD) and other dementias. A group of researchers led by Nathan Johnson, of the University of Kentucky College of Health Sciences, was able to demonstrate a positive correlation between fitness and blood flow to areas of the brain where the hallmark tangles and plaques of AD pathology are usually first detected. Thirty men and women ages 59-69 were put through treadmill fitness assessments and ultrasounds of the heart. Then they received brain scans to look for blood flow to certain areas of the brain. The results showed blood flow to critical areas of the brain — and so the supply of oxygen and vital nutrients — was higher in those who were more physically fit.

8. UK Researchers Discover Three New Primate Species

Three new species of mouse lemurs — the smallest primates in the world — have been discovered by Scott Hotaling, doctoral candidate in the University of Kentucky Department of Biology, and Associate Professor of Biology David Weisrock, along with collaborators at the German Primate Center and Duke Lemur Center. Twenty years ago, there were only two species of mouse lemurs. Today, including the newly-discovered species *Microcebus ganzhorni*, *Microcebus manitatra* and *Microcebus boraha*, mouse lemurs comprise 24 species. In addition to Hotaling and Weisrock, three former UK undergraduates contributed to the research and are co-authors on the study, a rare feat for undergraduates. Mary Foley and Jose Bocanegra generated the sequence data and Nicolette Lawrence was vital to the computational work.

9. UK Study Answers Tobacco Usage Questions

Consumers are not substituting electronic cigarettes for traditional cigarettes, a University of Kentucky researcher found during his study of habit formation with non-cigarette products. As principal investigator in a study funded by the Food and Drug Administration's Center for Tobacco Products, Yuqing Zheng, an agricultural economist in the College of Agriculture, Food and Environment, studied usage in five categories of tobacco products, including cigarettes, e-cigarettes, smokeless tobacco, cigarillos and cigars. Cigarettes account for about 80 percent of all tobacco sales.

10. Record-Breaking Number of UK Students Attend National Conference on Undergraduate Research

A recording-breaking 88 University of Kentucky undergraduates were selected to present their research projects at the 2016 National Conference on Undergraduate Research in April. Celebrating its 30th anniversary, this year's conference brought young researchers from around the world to the University of North Carolina Asheville April 7-9 where the students shared their research findings through poster and oral presentations. Each student was given the opportunity to discuss their display and share their research results, illuminating how their work will have an impact on future research development.

11. Markey Receives Funding to Improve Community Cancer Education in Eastern Kentucky

University of Kentucky researchers Robin Vanderpool and Mark Dignan are leading projects funded by the National Cancer Institute's Center to Reduce Cancer Health Disparities to continue Markey Cancer Center's community-based efforts aimed at reducing cancer rates in Appalachia. Both programs are funded for three years. Appalachian regions, particularly in Eastern Kentucky, have disproportionately high rates of both incidence and mortality due to cancer when compared to other regions in the United States. Poverty, lack of access to health care, poor diet, tobacco use, and lack of exercise conspire together to produce high rates of preventable cancers in Appalachia. The UK Markey Cancer Center brings together numerous disciplines and universities throughout Appalachia to research and implement community-based solutions to help reduce the rate of cancer in the region. The additional funding received supports

two projects: the National Outreach Network and a Geographical Management of Health Disparities Program.

12. UK Pharmacy Students Bring Operation Heart to Central and Eastern Kentucky

UK College of Pharmacy students in the college's Operation Heart committee — under the supervision of pharmacists — have held several free local events to screen patients for some of the warning signs of heart disease: high blood pressure, high blood glucose, and/or high cholesterol. In 2012-2013, the group expanded the screenings outside of Lexington to the Hazard community in Eastern Kentucky. There, they were able to screen and educate 350 individuals about the health risk of heart disease and the benefits of living a health modified lifestyle. Over the span of six years, they have been able to screen approximately 1,800 individuals all over Kentucky, targeting high-risk people who are more prone to heart disease.

13. VIP Center Establishes Bias Incident Support Services

The University of Kentucky Division of Student Affairs Violence Intervention and Prevention Center has expanded its scope of services to provide support and advocacy to those who have experienced violent, threatening or harassing behavior based on an aspect of their identity or perceived identity. Bias Incident Support Services includes support at the time of crisis and resources to support the physical, emotional and academic well-being of the individual or individuals impacted. In addition, advocates can provide information and assistance with reporting options, both on-campus and off-campus.

14. UK Welcomes First Multicultural Sorority to Campus

Scholarship, service, sisterhood, leadership and multiculturalism are the tenets of Theta Nu Xi Multicultural Sorority Inc. The Alpha Omicron colony of Theta Nu Xi was recently established on the University of Kentucky campus. A core group of 15 women officially became the Alpha Omicron colony of Theta Nu Xi on March 7, 2016. They are the longest line in Theta Nu Xi Multicultural Sorority Inc. history as well as the first and only multicultural sorority at UK.

15. UK Study May Explain the Nation's Growing Racial Achievement Gap

Finding that racial disparities in the educational system can start very young, Edward Morris, associate professor of sociology and director of undergraduate studies at the UK College of Arts and Sciences, and his co-author Brea Perry at Indiana University, conclude that exclusionary discipline in the schools — such as school suspensions and expulsions based on behavioral issues — have a great impact on early academic growth and later life achievements and successes. Their research confirms that minority students are more likely to be suspended from school than their white counterparts. It further confirms that suspensions are associated with significantly lower achievement growth, and that the effect is cumulative. The researchers postulate that lower achievement in school relates to less profitable employment and less success in adulthood.

16. UK CAER Receives \$2.4M Grant for US-China Clean Energy Research Center

The U.S. Department of Energy (DOE) has selected the University of Kentucky's Center for Applied Energy Research (CAER) for a five-year renewal of its United States-China Clean Energy Research Center (CERC) grant. CERC was created in 2009 by DOE, the China Ministry of Science and Technology and the China National Energy Administration to facilitate joint research and development on clean energy by teams of scientists and engineers from the U.S. and China. The DOE grant totals \$2.4 million over five years and will support CAER efforts to develop advanced coal technologies. Kunlei Liu will serve as UK's principal investigator, along with his co-investigators Mark Crocker and Don Challman.

17. UK Granted Permission to Conduct Drone-based Research Nationwide

The University of Kentucky has received permission from the Federal Aviation Administration to conduct research with unmanned aerial systems, or drones, nationwide, following FAA regulations. The FAA's public Certificate of Authorization allows UK researchers to fly drones that are less than 55 pounds up to 400 feet and less than 100 mph at sites across the U.S., away from airports and under other FAA procedures. Researchers across a range of disciplines will now be allowed to conduct flights, including mining, precision agriculture, atmospheric science, and transportation — all areas of significance for Kentucky and the nation — at their respective research sites.

18. Contemporary Emirati Art Exhibit Makes Final American Stop at UK's Bolivar Gallery

The first major touring exhibition of Emirati art made its final stop of an 18-month tour of the United States at the University of Kentucky's Bolivar Art Gallery, in the new Art and Visual Studies Building. "Past Forward: Contemporary Art from the Emirates," organized by Meridian International Center and the Embassy of the United Arab Emirates (UAE), tells the story of the UAE's rich history, culture and rapid development. The exhibition ran April 16-May 13 and showcased more than 50 paintings, photographs, sculptures, video installations and other media by 25 notable Emirati artists that emphasize core elements of life in the UAE.

19. UK is Home to 2016 Campus Kitchen of the Year

The Campus Kitchen at the University of Kentucky has been named the 2016 Campus Kitchen of the Year. Founded in 2011, the Campus Kitchens Project is the leading national nonprofit empowering students to fight hunger and food waste. The Campus Kitchen of the Year is selected from 51 Campus Kitchens across the nation. The honor recognizes the Campus Kitchen that excels not only in safe and efficient operations, but in community partnerships, participating in the Campus Kitchen Project network, volunteer engagement and more.

20. UK's Popular BluPass Partnership with Lextran Extended Through 2019

The University of Kentucky and Lextran are extending their successful BluPass program through June 2019. The partnership, which began July 1, 2015, allows UK students, faculty and staff to ride any Lextran route free of charge, simply by showing their valid Wildcard ID. The BluPass

program is funded by UK Parking and Transportation Services as a proactive effort to decrease single occupancy vehicle use, give members of the UK community more choices in transportation options and to ultimately reduce campus parking demand. UK riders have made more than 650,000 trips through the first nine months of BluPass service. During this time period, Lextran ridership increased by a monthly average of 6 percent across all routes.

21. College of Education Celebrates 197 Teachers Who Made a Difference

This year, 197 educators were honored by their former students as a Teacher Who Made a Difference in their lives and the lives of others. Teachers from Kentucky, Ohio, Indiana, Pennsylvania, Michigan, Connecticut, Maryland and Tennessee were honored at the University of Kentucky College of Education event.

22. UK Law Students Teach Practical Law Lessons at Local High Schools

Over the last few months, University of Kentucky law students have lived and breathed StreetLaw — a brand-new student organization at the UK College of Law dedicated to teaching high school students and members of the Lexington community about law and the legal system. Working under the supervision of faculty advisor Cortney Lollar, assistant professor of law, and local attorneys Carmen Ross and Lindsay Perdue, UK Law students utilized their legal education to teach real-life lessons in law and government to high school students, empowering them to go forward and make positive changes in the community, while also inspiring them to consider a future legal career.

23. UK College of Engineering Employee Giving Campaign Raises Over \$90,000

Faculty and staff in the University of Kentucky College of Engineering have raised \$94,342.17 in its inaugural employee giving campaign, easily exceeding the pre-campaign goal of \$60,000. Further, the campaign achieved its objective of 25 percent participation among the faculty and staff. The fundraising initiative, named “PI: Participate & Inspire,” was led by a committee of entirely volunteer faculty and staff.

24. UK Athletics Surpasses 3.0 GPA for 8th Straight Semester

For the eighth consecutive semester, University of Kentucky Athletics has posted a cumulative department-wide grade-point average of 3.0 or better. UK Athletics’ scholarship students combined for a GPA of 3.157 this spring, nearly identical to the 3.149 GPA posted in the fall. Eighteen of UK’s 20 teams posted GPAs of 3.0 or better, the threshold set each semester by the department. Barnhart originally established the goal of a department-wide GPA of 3.0 or better as part of his 15 by 15 by 15 Plan unveiled in 2008. The goal was carried over in the new set of goals set as part of 1-3-5 Elite last April.

25. UK College of Communication and Information Hosts Technology Usability Lab

An innovative new program at the University of Kentucky explores human-computer interaction. UK College of Communication and Information Senior Associate Dean for Administrative Affairs Derek Lane and College Media Officer Nathan Stevens, along with Dean Dan O’Hair, have pioneered a new multidisciplinary venture they are calling the CI Collective. The CI Collective includes a technology usability lab where students and faculty can work together to test emerging technologies and products. The primary purpose of the CI Collective is to support interdisciplinary research on human-computer interaction and related areas in understanding how people use communication technology and learn from information systems.

26. Archaeologists, Artists, Educators Collaborate to Share the Story of Lexington's Davis Bottom

Teachers, parents and schoolchildren in Kentucky and around the world have a new online resource to learn about the history of Lexington’s extraordinary Davis Bottom neighborhood, the “Teaching Through Documentary Art: Lessons for Elementary and Middle School Social Studies Teachers” series. Inspired by two stunning murals featured in the award-winning documentary “Davis Bottom, Rare History, Valuable Lives,” the innovative lesson plans were developed by archaeologists and educators with the Kentucky Archaeological Survey, jointly administered by the University of Kentucky Department of Anthropology and the Kentucky Heritage Council, and the Davis Bottom History Preservation Project. Created with Kentucky teachers and homeschooling parents in mind, the 11 stand-alone lesson sets engage social studies students in the fourth- through eighth-grade levels.

27. Baptist Health Joins UK HealthCare Organ Failure and Transplant Network

The Baptist Health system recently became a member of the University of Kentucky Organ Failure and Transplant Network (OFTN), a new UK HealthCare initiative focused on providing patients in organ failure with access to state-of-the-art care, including organ transplantation. The OFTN will comprise systems, hospitals and independent physician practices across Kentucky and beyond. Its aim is to optimize the care of patients with advanced kidney, lung, liver and heart failure by providing seamless continuity of care from initial diagnosis through organ transplantation.

28. UK Celebrates 25 Years of Heart Transplantation

More than 100 patients, families and University of Kentucky HealthCare staff gathered April 13 to celebrate an important milestone: the 25th anniversary of the first heart transplant at the University of Kentucky. In 25 years, UK has transplanted almost 350 hearts. Last year, UK transplanted more hearts than any other Kentucky medical center ever.

29. UK Trumpets Take Second at Nationals

The University of Kentucky Trumpet Studio took second prize at the 2016 National Trumpet Competition, the world's largest instrumental music competition. To be invited to the National

Trumpet Competition, trumpet soloists and ensembles from all over the country submitted recordings that are screened by a panel of trumpet professionals from around the country. The UK Trumpet Ensemble participated in the Getzen Trumpet Small Ensemble Division, and UK was the only public university invited into the final round.

30. WUKY News Wins Eight Associated Press Awards

WUKY, Lexington's NPR news station at the University of Kentucky, received eight statewide Associated Press Broadcasters awards, the most of any radio station in the Lexington radio market. WUKY News won first place awards in the following categories: Best Radio Anchor: Alan Lytle; Best Radio Reporter: Josh James; Best Political Coverage: Josh James and Karyn Czar for "Gay Marriage In Kentucky"; Best Continuing Coverage: Josh James and Karyn Czar for "Gay Marriage In Kentucky"; Best Long Light News Feature: Josh James for "Breathing New Life Into 2001: A Space Odyssey"; and Best Long Sports Feature: Alan Lytle for "What It Was Was Base Ball."

31. Faculty and Staff Achievements

Urton Anderson (UK Gatton School of Business and Economics) has been inducted into the American Hall of Distinguished Audit Practitioners.

Allison Connelly (UK College of Law) is the 2016 recipient of the William E. Lyons Award, co-sponsored by the Martin School of Public Policy and Administration and the UK Department of Political Science.

Gary J. Ferland (UK Department of Physics and Astronomy) was awarded the 2016 Albert D. and Elizabeth H. Kirwan Memorial Prize by the UK Office of the Provost.

Thomas W. Harris (University Relations) has received the Public Relations Society of America (PRSA) Thoroughbred Chapter's Lifetime Achievement Award.

J. Zach Hilt (UK College of Engineering) was inducted into the American Institute for Medical and Biological Engineering's College of Fellows.

Andrew Hippisley (UK Department of English) has been selected to participate in the American Council on Education's Fellows Program.

Kathi Kern (UK Department of History) has been appointed one of the 78 new speakers to the Organization of American Historians' prestigious Distinguished Lectureship Program for 2016-17.

Carl G. Mattacola (UK College of Health Sciences) was presented the Sturgill Award by the UK Office of the Provost.

Steven J. Price (UK College of Agriculture, Food and Environment) was awarded the Senior Research Award for outstanding research by the Association of Southeastern Biologists.

Brent Seales (UK College of Engineering) has been named a 2016 SEC Faculty Achievement Award winner.

Nikiforos Stamatiadis (UK College of Engineering) has been awarded a Fulbright U.S. Scholar grant to teach and conduct research on transportation engineering at the University of Catania in Catania, Italy.

Dr. Carol Steltenkamp (UK HealthCare and UK College of Medicine) was honored as one of the most powerful women in healthcare information technology by Health Data Management.

William Thro (UK Office of Legal Counsel) was elected as a member-at-large of the National Association of College and University Attorneys Board of Directors.

Dr. Thomas Waid (UK College of Medicine) received the Distinguished Physician Award from the National Kidney Foundation.

Kathy Wheeler (UK College of Nursing) has been designated a Distinguished Public Policy Fellow by the National Academies of Practices.

Steven Yates (UK Departments of Chemistry, Physics and Astronomy) was recently awarded a three-year \$880,000 grant from the National Science Foundation and a three-year \$690,000 grant from the Department of Energy's National Nuclear Security Agency.

Dr. Patrick Hannon and Dr. Yohan Choi (UK HealthCare) were recently awarded fellowships from the Lalor Foundation for projects designed to enhance women's reproductive health and resolve problems of infertility.

Jason DeRouchey and Chris Richards (UK Department of Chemistry) and Ruigang Yang (UK Department of Computer Science) were awarded a three-year, \$589,250 National Science Foundation grant to develop a new imaging and data collection platform.

32. Student Achievements

Drury Bell (Classics and Mathematics) received an honorable mention in Advanced Latin at the Maurine Dallas Watkins National Greek and Latin Translation exams.

Sophia Decker (Classics and Linguistics) placed first in the Advanced Latin division, second in Advanced Greek, and first in Latin Prose Composition at the Maurine Dallas Watkins National Greek and Latin Translation exams.

Corrine Faye Elliott (Mathematics and Chemistry, of Lexington) has been awarded the Barry M. Goldwater Scholarship.

William Henley (Information Science) has been selected as one of three interns to work on the Alaska State Library Internship Project in summer 2016.

Abigail King (History, of Lexington) has been selected for a place at a Fulbright Summer Institute to study at England's Durham University.

Edward Limin Lo (Geology, of Brandon, Florida) received a National Science Foundation Graduate Research Fellowship and will pursue research in the paleoclimate.

Tiffany Molina (Business Management and Equine Science) was awarded the University of Kentucky 2016 Viji Jeganathan Scholarship for Cross-Cultural Understanding.

Andrew Arthur Nelson (Psychology, of Spokane, Washington) received a National Science Foundation Graduate Research Fellowship and will pursue research in social psychology.

Danielle Coty Schaper (Physics, of Covington, Kentucky) received a National Science Foundation Graduate Research Fellowship will pursue research in the nuclear field.

Tristan Suel (Media Arts and Studies) and Max Hulsman (Mechanical Engineering) were awarded the UK Office of LGBTQ* Resources' first endowed scholarships.

Tammy Clemons (Anthropology), Wesley Hough (Mathematics) and Kaitlyne Motl (Sociology) were selected for UK Association of Emeriti Faculty Fellowships.

Holden Hemingway (Biology), Haley Reichenbach (Equine Science) and Alexander Parmley (English and Philosophy) were awarded Undergraduate Research Abroad Scholarships by the Office of Undergraduate Research and UK Education Abroad.

The UK Black Graduate and Professional Student Association was awarded the Multicultural Opportunities, Strategies and Institutional Inclusiveness Consortium Award at the "Dialogue on Race and Education in the 21st Century" conference.

A student team from the UK Department of Integrated Strategic Communication won first place in their district in the American Advertising Federation's National Student Advertising Competition.

UK's student entrepreneur team Race Assured placed fourth at the Idea State U finals competition in April. The team of Julia Fabiani (Equine Science and Physiology), Stefanie Pagano (Biomedical Engineering) and Ben Martin (Finance and Agricultural Economics) received \$7,500 for their win in the business plan category.

33. Alumni Achievements

Calvin Hong (Biochemistry, 2016) was selected for a fellowship from the Princeton in Asia program to teach in Hong Kong.

James C. Klotter (History, 1975) is the 2016 recipient of the UK Libraries Medallion for Intellectual Achievement.

Margaret Verble (English, English Education and Curriculum and Instruction) is a 2016 finalist for the Pulitzer Prize in Fiction for her book, "Maud's Line."

Brittney Woodrum (Arts Administration and Spanish, 2015) was selected for a fellowship from the Princeton in Asia program to teach in Myanmar.

Nine UK alumni won National Science Foundation Graduate Research Fellowships, including Sarah Barney (Natural Resources and Environmental Science, 2014); Robert Alan Cass (Mathematics, 2016); Michael Scott Crocker (Chemical Engineering, 2015); Matthew Fahrback (Computer Science and Mathematics, 2015) Charles Sanders Fieseler (Physics and Mathematics, 2013); Marc Higginson-Rollins (Electrical Engineering, 2013); Christopher Karounos (Biology, 2014); Jessime Murray Kirk (Chemistry, 2014); Cassandra Jean Porter (Chemical Engineering, 2016).