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Office of the President  
February 17, 2017

1. Sanders-Brown Named Site for Landmark NIH Grant

The UK Sanders-Brown Center on Aging has been selected to participate in a multicenter, landmark \$3.6 million grant from the National Institutes of Health to identify biomarkers for vascular cognitive impairment and dementia (VCID). UK was one of just seven sites selected for the five-year NIH's National Institute of Neurological Disorders and Stroke grant. The other sites are Boston University, Rush University, Johns Hopkins, University of Southern California, UCSF/UC-Davis, and the University of New Mexico. The awards establish the new national Small Vessel VCID Biomarkers Consortium.

2. LCC, UK Agree to a New 15-year Lease at Rupp Arena

The Lexington Center Corporation (LCC) and UK have agreed in principle to a new 15-year lease at Rupp Arena. The new lease will begin at the expiration of the existing lease. The agreement, outlined in a letter of intent signed by LCC and UK officials, will ensure that the Kentucky Wildcats men's basketball team plays at Rupp Arena through the 2033 season. The current lease expires at the end of the 2018 season.

3. UK Continues Progress on Greenhouse Gas Emissions Reduction

Citing the leadership of students and more than a decade of commitment, UK President Eli Capilouto announced in December a new greenhouse gas emissions reduction commitment that spells out steps to continue progress in creating a more sustainable campus environment. Reducing emissions will improve our shared environment. At the same time, it will reduce UK's utility costs paid for by tax dollars and the tuition and room and board fees paid by UK students and their families. The commitment also emphasizes the importance of addressing climate change through scholarship. The newly formed Faculty Sustainability Council will work with campus stakeholders to explore and initiate opportunities to support sustainability-driven research, teaching, and learning.

4. Kentucky Small Business Development Center Makes Economic Impact

The Kentucky Small Business Development Center (KSBDC), part of the UK College of Agriculture, Food and Environment, significantly contributed to the state and federal economies during the 2014-15 fiscal year, according to an independent study conducted by James J. Chrisman, professor of management at Mississippi State University. The study, completed in June 2016, shows that small businesses working with the Center increased sales and employment figures at a greater percentage than an average business in Kentucky. KSBDC clients increased sales by 14.4 percent versus a state average of 3.8 percent, and increased employment levels by 15.1 percent compared to a state average of 1.5 percent.

5. Study Shows Promise for Repurposing Anti-Malarial Drug for Cancer Treatment

A new study by UK Markey Cancer Center researchers shows that chloroquine – a drug currently used to treat malaria – may be useful in treating patients with metastatic cancers. Published in Cell Reports, the study showed that chloroquine induced the secretion of the tumor suppressor protein Par-4 in both mouse models and in cancer patients in a clinical trial. Secreted Par-4 is essential for tumor cell death and the inhibition of tumor metastasis. The study was led by the lab of Vivek M. Rangnekar in the UK Department of Radiation Medicine. UK researchers Ravshan Burikhanov and Nikhil Hebbar in Rangnekar's group were co-first authors on the study.

6. UK Celebrates December 2016 Graduates

UK celebrated more than 1,000 students on December 16 as they took part in the December 2016 Commencement Ceremonies in Rupp Arena. The ceremonies recognized the accomplishments of undergraduate, graduate, and professional students who completed their degrees by the end of the fall 2016 semester. Approximately 866 undergraduates and 179 graduate and professional students participated in the ceremonies. Among those was Terry Samuels of Louisville, a former UK standout football player who left UK in 1994 before finishing his degree when he was drafted by the NFL to play for the Arizona Cardinals. Following his football career, Samuels is now a successful businessman who returned to UK and completed his degree in social work.

7. UK Student-Athletes Break, Tie Graduation Records

UK student-athletes broke one school record for graduation rate and tied another in an annual report issued by the NCAA. The NCAA Graduation Success Rate, a four-year composite statistic for the freshman classes of 2006-07 through 2009-10, was 82 percent. That broke last year's school record of 81 percent and continued UK's trend of having broken or tied the mark for earning diplomas every year since the NCAA began charting graduation in 2005.

8. UK Researchers, Administrators Team Up to Assess Impact of Student Bystander Trainings

For more than 10 years, UK has served as a national leader in bystander intervention programming through its innovative programs like Green Dot, AlcoholEdu, and Haven. Now, University administrators and researchers are coming together to leverage UK's expertise in this area of violence prevention to determine which types of programming are most impactful to incoming students. All UK students are currently required to complete both a bystander intervention and alcohol/substance abuse program online. With the support of UK administration, Heather Bush and her research team in the UK College of Public Health have begun conducting a randomized controlled trial to compare online programs with more direct, in-person training of bystander skills to determine which are most effective.

9. Clinging to Life, Markey Patient Saved by Clinical Trial

After battling metastatic neuroendocrine cancer for more than a decade, Lexington resident Geri McDowell nearly lost her life. But thanks to a clinical trial available at the UK Markey Cancer Center, McDowell's cancer is under control and she's back to living life to its fullest. Dr. Lowell Anthony doggedly searched for a clinical trial that suited McDowell, knowing that it was likely her best chance for survival. She finally qualified for one of his trials in early 2015, just as her health was reaching an all-time low. More than a year after beginning the clinical trial, McDowell is feeling the strongest and healthiest she has in many years, something she attributes to both the trial and her strong support system of family, friends, and church.

10. UK Pediatrician Travels World Training Instructors on Systematic Critical Care

Kentucky Children's Hospital pediatrician Dr. Asha Shenoï has traveled around the world training health care providers to instruct courses on systematic pediatric critical care. Shenoï, who volunteers her time on behalf of the World Pediatric Intensive and Critical Care Foundation, is one of very few pediatric critical care specialists in the world designated by the organization to train physicians in developing or mid- to low-income countries on programmatic approaches to pediatric critical care. In October, Shenoï trained physicians at the National Children's Hospital in Vietnam. She has conducted seven courses in four countries, including India, Vietnam, and the West Indies, adapting each training to reflect the country's native language and cultural considerations.

11. UK College of Education Students Serve High-need Schools in Kentucky

A new Applied Behavior Analysis master's program at UK is helping teachers manage disruptive behaviors in their classrooms. Just in its first year, donations to the program through UK's Women and Philanthropy Network have made it possible for graduate students to serve high-need schools where children and youth exhibit challenging behaviors. The graduate students are providing behavioral assessments and intervention support to teachers, parents, and other adults working with children with conditions that may impact academic and social functioning. Allan Allday, an associate professor in the Department of Early Childhood, Special Education and Rehabilitation Counseling, founded the program at the UK College of Education.

12. 'Dreamwork' Exhibit Brings DanceBlue Kids' Dreams to Life

Using their artistic skills for a good cause, the students at the UK School of Art and Visual Studies created an exhibition that plays off the fantasies and dreams of children in the DanceBlue Kentucky Children's Hospital Hematology/Oncology Clinic. The "Dreamwork" exhibit was on display Friday, December 9, in the Community Gallery of the Downtown Arts Center in Lexington. Five children who are currently patients at the DanceBlue Kentucky Children's Hospital Hematology Oncology Clinic were selected to participate in the project. Each child was given the chance to help create two digitally edited images. The resulting artwork was donated to the families and the UK Hospital Art Collection when the show concluded.

13. UK Design Proposals for Southland Drive Strike the Right Chord With the Community

A structure based on the work of UK's own interiors and landscape architecture students will pop-up along the streetscape of Lexington's Southland Drive. The structure, designed to both increase aesthetics and aid pedestrian mobility in the area, will result from the semester-long project, "Retrofitting the RETRO," presented by Lexington-Fayette Urban County Government's Division of Planning. Based on voting at an exhibition of student design proposals and a review by a selection committee, three winning designers, including landscape architecture student Rakeem Bradshaw and interiors students Mallory Stein and Veronica Steen, were invited to discuss their design ideas further for the corridor with the Division of Planning, Southland Association, property owners, and other stakeholders in January.

14. Five Arrive at UK Birthing Center, Granting Mom a Special Birthday Wish

Katie and Lucas Schaflein, a Lexington couple and UK graduates, welcomed quintuplets at the UK HealthCare Birthing Center in November. They consulted with high-risk obstetrics specialists at UK HealthCare and neonatologists at Kentucky Children's Hospital in preparation for delivery, with the goal of sustaining the pregnancy through 28-weeks' gestation. An interdisciplinary team of doctors, nurses, and therapists from UK Women's Health, Obstetrics and Gynecology and Kentucky Children's Hospital coordinated an integrative care plan for the Schaflein quintuplets. Quintuplets are extremely rare, with the Centers for Disease Control reporting 47 national cases of quintuplets or higher order multiple births in 2014.

15. UK Honors Outstanding Staff

Sixty-One UK staff members were honored during the 2016 Outstanding Staff Awards recognition ceremony recently at the Woodford Reserve Room in Commonwealth Stadium. This was the seventh year for the event sponsored by the UK Staff Senate and the UK President's Office. More than 100 people were in attendance to honor the award winners, including UK President Eli Capilouto, Executive Vice President for Finance and Administration Eric Monday, colleagues, and other campus leaders.

16. New UK Crowdfunding Platform to Provide Philanthropic Opportunities for UK Community

UK students, student organizations, faculty, and staff may now raise funds for innovative UK programs and initiatives through a new, convenient, university-wide crowdfunding platform — Big Blue Crowdfunding. The crowdfunding service was developed by UK Philanthropy in partnership with its online giving service, Network for Good. Big Blue Crowdfunding will allow donors to give directly to projects they find compelling.

17. UK Air Force ROTC Cadets Run 29 Miles for POWs, MIAs

Air Force ROTC cadets of the 290th Cadet Wing at UK ran from Lexington to Frankfort — 29 miles — on November 12 for the annual POW/MIA Run to honor the sacrifices of the nation's prisoners of war and those still missing in action. The group of runners also included Air Force ROTC faculty and cadets of the University of Louisville and Team Red, White and Blue. Runners

departed from Barker Hall on the UK campus and finished at the Kentucky Vietnam Veterans Memorial in Frankfort. The route took runners on Old Frankfort Pike, where community volunteer organizations, such as JROTC, Civil Air Patrol, Boy Scouts of America, and more, provided water stations along the way.

18. UK Students Observe Voting Process for National Research Project

For most of the UK students observing Lexington's polling places on Election Day, it was their first experience engaged in the nation's electoral process. They were taking part in a nationwide review of the voting process, led by Associate Professor of Comparative Politics Emily Beaulieu. Beaulieu organized 22 UK students, all enrolled in her 2016 election honors class, to observe the process of voting at randomly selected polling locations across Fayette County. UK was one of 30 universities across the country participating in the project, directed by the Massachusetts Institute of Technology and the California Institute of Technology. The project was designed to investigate: 1) the quality of polling places, i.e. accessibility, safety, location, etc.; and 2) how long it takes people to vote and how long they must wait in line. The sanctity and privacy of the actual voting booth was never violated.

19. Expanding Precision Medicine Options, Markey Launches Molecular Tumor Board

The UK Markey Cancer Center recently launched its own Molecular Tumor Board, an approach to cancer care that uses genetic analysis to help oncologists choose cancer therapies tailored to each patient's individual needs. The Molecular Tumor Board is the latest precision medicine initiative to come online at Markey. The Molecular Tumor Board is co-directed by clinical pharmacologist Jill Kolesar and Markey gynecologic oncologist Dr. Rachel Miller.

20. UK International Center Launches Collaborative Research Program With Shanghai University

As part of an effort to strengthen collaborative teaching and research between UK and Chinese universities, the UK Confucius Institute, Office of China Initiatives, and Shanghai University's Office of International Affairs have launched the 2017 SHU Elite Research Program. Five UK faculty members from multiple disciplines will have the opportunity to participate in this select program. Research responsibilities will include working with a SHU partner professor to develop a collaborative research project, giving two presentations about research in the field, and participating in activities provided by SHU departments and the University.

21. UK College of Pharmacy, Bluegrass Community Health Partner for New Residency Program

The UK College of Pharmacy and Bluegrass Community Health Center have announced an expanding partnership to create a new pharmacy residency program located in Lexington. The postgraduate year two Ambulatory Care Pharmacy Residency Program is the first pharmacy residency program at Bluegrass Community Health Center, a Federally Qualified Health Center and National Committee for Quality Assurance Level 3 Patient-Centered Medical Home.

22. UK CAER Named to RAPID Manufacturing USA Institute

The UK Center for Applied Energy Research (CAER) has been named a collaborator to the nation's newest Manufacturing USA Institute. The U.S. Department of Energy has announced that the Rapid Advancement in Process Intensification Deployment (RAPID) Manufacturing Institute of the American Institute of Chemical Engineers will be the 10th Manufacturing USA Institute. This is the third Manufacturing USA Institute in which CAER is a member. The center's Power Generation Group will be working with RAPID on projects. The center's Materials Technologies Group is already a member of the Institute for Advanced Composites Manufacturing Innovation and the Advanced Functional Fabrics of America.

23. UK's Nunn Center, West Chester University Students Chronicle First Great Migration Online

On the 100th anniversary of the beginning of the First Great Migration, Doug Boyd director of the UK Libraries Louie B. Nunn Center for Oral History and a team from West Chester University used a vast selection of digital tools as a supplement to oral histories to give a more robust understanding of this movement to the public online. The project between the two universities is built around Nunn Center interviews conducted during the 1980s with African Americans who migrated to Philadelphia and black Philadelphians who witnessed their arrival and impact. Today, "Goin' North: Stories from the First Great Migration to Philadelphia" reimagines the 1980s project as a collaborative initiative linking archives and the college classroom that is using digital technologies not imagined at that time.

24. UK Superfund Researchers Discover Interaction Between Environmental Toxin Exposure, Nutrition, and Cardiovascular Disease

Investigators in the UK Superfund Research Center were the first to obtain evidence that healthy nutrients and biological components rich in plant-derived diets, as well as increased physical activity, can counteract the negative effects of environmental pollutants. Such pollutants, which include polychlorinated biphenyls, remain in the environment for a long time and can accumulate in the body. The study, led by nutritional biochemist and Superfund Research Center Director Bernhard Hennig, was featured in November as a National Institute of Environmental Health Science/National Institutes of Health "Story of Success."

25. UK Researchers Uncover Intercellular Message Behind Exercise-induced Muscle Growth

UK researchers have unraveled a mechanism that regulates skeletal muscle growth in response to resistance exercise. Their findings, published in the journal *Cell Stem Cell*, provide insight into the processes that underlie the decline in muscle function associated with aging or with diseases such as muscular dystrophy. The research team, led by Charlotte Peterson, director of the UK Center for Muscle Biology, and John McCarthy, associate professor in the Department of Physiology, used mouse models to explore the role of stem cells in growth-stimulated muscle.

26. UK Collegians Day Hosts Top High School Scholars at UK

Top high school seniors from across the Commonwealth and around the country can now call themselves "Kentucky Collegians." In November, one of UK's premiere recruitment events, UK Collegians Day, honored top prospective students who have applied to UK and earned at least a 31+ on the ACT and/or equivalent SAT. A record number of just over 280 outstanding student scholars representing 17 states along with an additional 450+ guests were in attendance.

27. DanceBlue Announces 2017 Marathon Date

DanceBlue has announced that the 2017 dance marathon will begin at 8 p.m. Saturday, February 25, and conclude 24 hours later, at 8 p.m. Sunday, February 26. The 2017 marathon will serve as a celebration of 364 days of hard work For The Kids and the brand new DanceBlue Kentucky Children's Hospital Hematology/Oncology clinic that opened in January. The new DanceBlue clinic has been a four-year project funded by the students involved in DanceBlue.

28. UK Election Blog Attracts Visitors Around the World on Election Night

Members of the Election Law Society at the UK College of Law spent election night providing live analyses regarding significant election law issues in Kentucky and across the nation through their Election Analysis Blog. The blog, under the supervision of Associate Professor Joshua Douglas, received traffic from 40 of the 50 states and attracted visitors from 11 other countries including Ireland, Russia, and South Korea.

29. UK HealthCare Volunteer Helps NICU Families Have Happy Holidays

UK HealthCare volunteer Sunny King initiated the Snow Bunny Baby Project. King and a team of volunteers have worked together to collect donated items and monetary donations for Neonatal ICU patients and families. Holiday gift baskets included diapers, toys, onesies, and a note to reassure families they are supported, not only by UK HealthCare, but by their community as well. Last year the group was able to assemble and distribute baskets to all the families in UK's NICU.

30. Faculty and Staff Achievements

Elisia Cohen (College of Communication and Information) was honored as the 2016 Mayhew Derryberry Award recipient at the Public Health Education and Health Promotion Awards luncheon.

Alan Daugherty (College of Medicine) is editor-in-chief of American Heart Association Journal for a second term.

Carol Elam (College of Medicine) has been named the recipient of the 2016 Southern Group on Educational Affairs Career Educator Award.

Linda Van Eldik (Sanders-Brown Center on Aging) was awarded a two-year, \$997,738 "Part the Cloud" translational research grant from the Alzheimer's Association.

Sylvie Garneau-Tsodikova (College of Pharmacy) has been named a 2017-2018 American Association for the Advancement of Science (AAAS) Leshner Public Engagement Fellow.

Kenneth Graham (College of Arts and Sciences) received a \$110,000 grant from the American Chemical Society's Petroleum Research Fund.

Jennifer Havens (College of Medicine) received a one-year, \$150,000 National Institutes of Health grant for her project, "Epidemiology of HCV (Hepatitis C Virus) Treatment Knowledge and Utilization among Opioid Injectors in Rural Appalachia." Havens also was awarded a \$150,000 grant for another project with an investigator at the Research Triangle Institute.

David Jensen (College of Arts and Sciences) received funding from the National Science Foundation for his research in algebraic geometry.

Karen Lawrence (College of Social Work) has co-authored the first national study of civic service among U.S. military veterans.

Justin "Jay" Miller (College of Social Work) has been elected to chair Kentucky's Juvenile Justice Advisory Board for a two-year term from January 2017 – December 2019.

David J. Moliterno (Gill Heart Institute) has been named the new editor-in-chief of JACC: Cardiovascular Interventions by the American College of Cardiology.

Tim Mullett (Markey Cancer Center) has been appointed to the Commission on Cancer.

Carrie Oser (College of Arts and Sciences) was awarded a one-year, \$150,000 National Institutes of Health grant for her project "Improving Outcomes after Prison for Appalachian PWIO (People who Inject Opioids): The Role of XR-NTX & Networks."

Ebony G. Patterson (College of Fine Arts) had her artwork on display in a Barneys New York holiday window in New York City through January 3, 2017.

Nancy Schoenberg (College of Public Health) is currently a featured partner on the National Cancer Institute's website for her work with Faith Moves Mountains.

Gerald L. Smith (College of Arts and Sciences) and co-editors Karen Cotton McDaniel and John A. Hardin received a 2016 Kentucky History Award for The Kentucky African American Encyclopedia, which was published by University Press of Kentucky.

John Stanko (UK Police) was recognized as the police department's Officer of the Year for 2016.

William Stoops (College of Medicine) was named the 2016 Psychologist of the Year by the Kentucky Psychological Association.

Jane Wells (Gatton College of Business and Economics) was recently recognized as an outstanding accounting educator by the Kentucky Society of Certified Public Accountants.

Ron Zimmer (Martin School of Public Policy and Administration) was ranked 177th out of 200 in Education Week's 2017 RHSU Edu-Scholar Public Influence Rankings that recognize university-based scholars in the U.S. who are doing the most to influence educational policy and practice.

Sue Nokes (College of Agriculture, Food and Environment), Jian Shi (College of Agriculture, Food and Environment), Steve Rankin (College of Engineering), Barbara Knutson (College of Engineering), and Bert Lynn (College of Arts and Sciences) received a \$4 million grant from the National Science Foundation, along with their partners at Louisiana State University. The grant will fund research to create a new class of materials from lignins, a by-product of the biofuel, pulp and paper, and sugarcane industries.

The Small-Molecule X-Ray Crystallography Facility (College of Arts and Sciences) has been awarded a \$383,133 grant from the Major Research Instrumentation program of the National Science Foundation.



### 31. Student Achievements

LaShay Byrd (Biology, of Liberty, Kentucky) won third place in the Undergraduate Research Oral Presentation — Health Sciences at the Kentucky Academy of Science's 2016 Annual Meeting.

Rachel Dixon (English and Writing, Rhetoric and Digital Studies, of Lexington) was named a finalist for the Rhodes Scholarship.

Corrine Faye Elliot (Mathematics and Chemistry, of Lexington) was one of only 40 recipients nationally of the prestigious \$10,000 Astronaut Scholarship.

Tori Hickey (Neuroscience, of Lexington) won third place in the Undergraduate Research Oral Presentation — Science Education at the Kentucky Academy of Science's 2016 Annual Meeting.

Daniel Joseph (Anthropology, of Les Cayes, Haiti) was awarded a National Science Foundation Doctoral Dissertation Improvement Grant to conduct research on people of Haitian descent.

Chhaya Kolavalli (Anthropology, of Kansas City, Missouri) was awarded a National Science Foundation Doctoral Dissertation Improvement Grant for her research on race and urban food systems in Kansas City, Missouri.

Bailey Phan (Computer Science, of Lexington) won first place in the Undergraduate Research Oral Presentation — Computer and Information Sciences at the Kentucky Academy of Science's 2016 Annual Meeting.

Eura Shin (Computer Science, of Morehead, Kentucky) won first place in the Undergraduate Research Poster Presentation — Computer and Information Sciences at the Kentucky Academy of Science's 2016 Annual Meeting.

Eashwar Somasundaram (Chemistry, of South Williamson, Kentucky) won second place in the Undergraduate Research Poster Presentation — Cellular and Molecular Biology at the Kentucky Academy of Science's 2016 Annual Meeting.

Jessica Waters (Integrated Strategic Communication, of Beavercreek, Ohio) won the Outstanding Youth in Philanthropy Award by the Association of Fundraising Professionals, Greater Dayton Region Chapter.

Steven Liu (Computer Science, of Lexington) and Courtney Eaton (Elementary Education, of Louisville, Kentucky) are two of 850 undergraduate students across the United States selected to receive the prestigious Benjamin A. Gilman International Scholarship.

The UK Forensics Team won the prestigious Stephen J. Kopp Traveling Sweepstakes Award at the Marshall University Chief Justice Invitational speech and debate tournament.

### 32. Alumni Achievements

Maria Moreno Parra (Anthropology) has been offered a two-year post-doctoral position at the University of Cambridge in the United Kingdom.

Richard Trollinger (Educational Policy Studies) has been named the second annual recipient of the Indiana University Lilly Family School of Philanthropy Distinguished Alumni Award.