The face of OSU research includes faculty, students and staff

The face of research at Oklahoma State University is actually not one but hundreds of faces of scientists, engineers, scholars and artists, both faculty and students, who explore important questions, enrich our lives with the arts, and work to improve lives. As an example, below is the story about a major grant to establish a center to examine stark disparities in health outcomes among children. There are also the
faces of OSU staff and administrators who support researchers, including Vice President for Research Dr. Kenneth Sewell. This spring and summer Sewell has been the face of OSU research in a meeting with Oklahoma’s congressional delegation to talk about the critical importance of basic research, joined a national security conference on the research needs of the military, and was appointed to a research advisory board for an energy council. Dr. Toni Shaklee, an OSU research administrator, recently joined colleagues on a tour of Cuban universities. The visit allowed Shaklee to introduce OSU’s many programs to Cuban officials, which could lead to future collaborations. Scientific, scholarly, and artistic pursuits require a host of players, who together make it possible to create knowledge and improve lives. Tell us what you think about our e-newsletter OSU Research In Focus; email vpr@okstate.edu.

$11.3 million grant for center to focus on children’s health disparities

The National Institutes of Health (NIH) recently awarded an $11.3 million Center for Biomedical Research Excellence (CoBRE) grant to establish the Children’s Health Equity Solutions Center (CHESC) through Oklahoma State University Center for Health Sciences. The long-term goal of the center, to be located in Tulsa, is eliminating unjust differences in children’s health by race, ethnicity and socioeconomic status through effective translational science. The project will be led by Dr. Jennifer Hays-Grudo, Regents professor and head of human development and family science in the College of Human Sciences. While many research centers focus on health disparities and inequities throughout the country, none focus specifically on children’s health. With Oklahoma’s ratings among the 10 worst states in the nation for child health outcomes, a research center will provide much needed information and solutions to this critical health and economic issue. “Within the metropolitan areas, there is a 14-year gap in life expectancy between north and south Tulsa,” Hays-Grudo said. “The lives of children born in two north and west zip codes can be expected to be 20 percent shorter than those of children living in zip codes to the south.” Read More ➤
OSU's Toni Shaklee joins tour of Cuban universities to kindle dialogue

The resumption of diplomatic relations between the United States and Cuba is allowing more Americans to travel to the island, but an ongoing U.S. trade and travel embargo still limits who can visit. Oklahoma State University's Dr. Toni Shaklee was able to visit the country this spring with a delegation of U.S. higher education officials to plant seeds of cooperation. Read More

Shaklee, assistant vice president for sponsored research, has been elected to a second two-year term as an at-large member of the board of directors of the National Council of University Research Administrators (NCURA). NCURA serves more than 7,000 members world-wide and advances the field of research administration. She will also continue as a co-editor of NCURA Magazine.

Sewell represents OSU on energy research center's advisory board

Vice President for Research Dr. Kenneth Sewell has been appointed to an advisory board for the research arm of The Energy Council, an organization of scientific investigation is an international activity. Visit any research university, like OSU, and you'll find researchers and students from around the world working together. Two of those OSU scientists, from completely different backgrounds but who shared a passion for science, have shown that cultural differences are no barrier to a marriage and professional collaboration. Dr. Aihua Xie, a physicist from China, and Dr. Wouter Hoff, a microbiologist from the Netherlands, have successfully blended their lives in Oklahoma. Their story is told in the 2016 issue of Vanguard. Read this and other stories in OSU's research magazine.
legislators from oil producing states and Canadian provinces. The Center for Legislative Energy and Environmental Research (CLEER) provides information about energy and environmental policy to Energy Council members.

Read More

Cyclone Jones (left) supervises students working with an oscilloscope at a lab in a concrete bunker at Stillwater airport.

OSU engineer pioneered tornado research

For more than 20 years an engineer at Oklahoma A&M, later OSU, led one of the most widely known research projects in the nation to establish severe weather early warning systems and develop technology to track tornados. Dr. Herbert Jones, an electrical engineering professor known as Cyclone Jones, was one of the country’s first nationally known storm chasing celebrities during his career from the 1940s until retirement in 1970. Jones’ story is told by Dr. Nani Pybus, manager of the OSU Center for Proposal Development, who wrote the cover story in the spring issue of the Oklahoma Historical Society journal Chronicles of Oklahoma.

RESEARCH NEWS

Dr. Polly Campbell, assistant professor in integrative biology, has been awarded $720,000 by the National Science Foundation for research on early brain development and maternal behavior associated with abnormal functions of imprinted genes in the placenta. The research using mice will examine the condition at the genomic level, which may affect development and could relate to genetic disorders.

Read More

OSU scientist Dr. Andrew Doust, associate professor of plant biology, has been awarded a $400,000 National Science Foundation grant to study genetic mutations in grasses. The grant comes on top of a 2014 grant of $3.2 million for a plant genome research project that he leads. Doust has now been continuously funded by the NSF since 2007.

Read More

Oklahoma State University associate professor of integrative biology Dr. Kristen Baum and assistant professor of integrative biology Dr. Monica Papeș will receive funds from a $5.5 million U.S. Fish and Wildlife Service
Research Profile: Hollie Schreiber guides DASNR researchers

Hollie Schreiber joined OSU in 2005 as a proposal development specialist in Research Support Services in the College of Arts and Sciences (A&S). She became the manager of sponsored programs for the Division of Agricultural Sciences and Natural Resources (DASNR) in 2008. Schreiber attended Southwestern Oklahoma State University where she earned a bachelor’s in marketing and a master's in business administration. After accepting an entry level position in research administration with A&S, Schreiber saw that management was a logical progression for her career and DASNR gave her that opportunity. That career progression to academic research support has been rewarding. Read More

The VP for Research website has answers

OSU researchers often have questions about compliance, animal use, human subject research requiring IRB approval, grant writing or proposal submission and many other topics. These and other research-related subjects are covered on the website for the Office of the Vice President for Research. The site includes links to research news and publications, faculty video interviews, annual Research Week information, and background on the undergraduate Niblack Research Scholars program, to name just a few. The easy-to-navigate site provides invaluable help for OSU researchers. Read More

FEATURED EVENT

August 9-10
Workflows Workshop sponsored by the National Center for Supercomputing Applications’ Blue Waters Project

Researchers who use high performance computing...
Faculty Conversations video series

Faculty Conversations are a collection of videos of OSU faculty talking about their research. The videos represent a wide cross section of disciplines and novel research projects. Visit the OSU Research website to see the Faculty Conversations collection, including a video featuring Dr. Z. Randall Stroop, professor and Burns professor of music who teaches, conducts and composes for choral ensembles.

systems (faculty, staff or students) are invited to attend this free workshop to learn about workflows from leading experts and test their newfound knowledge using Blue Waters and XSEDE computing systems. Register by Aug. 2. Learn More →

Each month OSU Research In Focus features an event. To nominate an event for possible inclusion, email details to vpr@okstate.edu.

Follow OSU Research 🌐