

THE SOURCE

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The 23rd Annual SWOSU Research and Scholarly Activity Fair

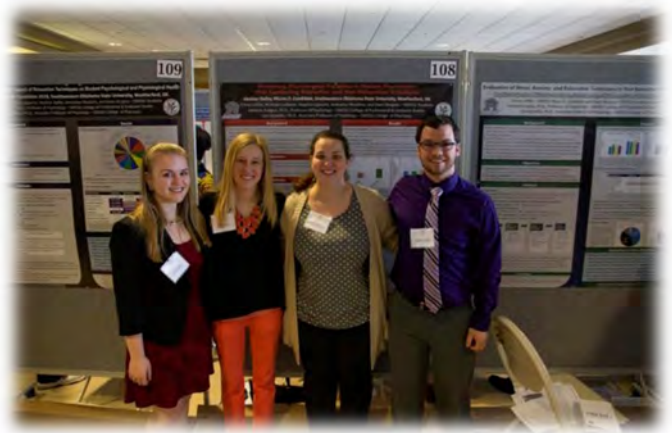
Southwestern Oklahoma State University's 23rd Annual Research and Scholarly Activity Fair was held on April 19, 2016, in the Student Union Memorial Ballroom. The event gives students the opportunity to present their research and other scholarly activity in poster or podium presentation formats. This year, more than 200 SWOSU students and faculty members presented 117 research projects. Many of the presentations have been or will be presented at various organizational events at the state, regional, and national levels.

Nine students from the Western Technology Center Biomedical Academy in Burns Flat, sponsored by Biomedical Instructor Danna Goss, also presented at the fair. The students that presented included Tiffany Barron, Laura Beeler, Ryan Boecker, Sierra Bowdre, Karl Craig, Collin Elmore, Braye Riseley, Michaela Robertson, and Emily Wright. Also, attending the fair were students from the Weatherford High School Biology students and their faculty sponsor, Kerri Kirby. As part of their attendance at the fair, the high school students also toured the Stafford Air and Space Museum.

The fair was sponsored by the University Research and Scholarly Activity Committee (URSAC) and the SWOSU Office of Sponsored Programs. Committee members include: Dr. Lisa Appeddu, chair; Dr. Randy Barnett; Dr. Becky Bruce; Dr. Rickey Cothran; Mr. Ed Klein; Dr. Denise Landrum-Geyer; Mrs. Erin

Ridgeway; Dr. Trisha Wald; Ms. Kim Zachary and Dr. Yolanda Carr, Director of the Office of Sponsored Programs, and students, Gwen Burgess and Davie Owen.

Opening remarks were given by Dr. Lisa Appeddu; Mr. Tom Fagan, Executive Vice President; and Dr. Ken Rose, Dean of Professional and Graduate Studies.



Students Heather Kelley, Emma Leffler, Angelica Lajaunie, and Nicholas Lockyear

Certificates of appreciation plaques were presented to Mr. Robert Barnes and Dr. Ken Rose to recognize their upcoming retirements and years of service to the annual event. Dr. Jason Johnson was also presented with a plaque for his years of service as chair and member of URSAC.

The disciplines represented at this year's fair are as follows: Art, Communication, and Theatre; Biological

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Sciences, Business & Computer Science; Chemistry and Physics; Education; Engineering Technology; Language and Literature; Music; Nursing and Allied Health; Pharmaceutical Sciences; Psychology; and Social Sciences.



Student Samson Asongwe

Students participating in the poster and podium presentations included: Madison Abbe, Aileen Aiello, Abdulaala-Ahmed Al Muhsan, Elisabeth Allbritton, Hazem Alshahrani, Abdulaziz Alsuliman, Samson Asongwe, Shelby Austin, Emily Baalman, Shelby Baker, Christopher Barnhill, William Barr, Stephanie Bates, Katelynn Black, Kwyn Bollinger, Abbagale Bond, Darian Bradford, Morgan Bressman, Taylor Bromlow, Winston Brown, Darby Bryce, Emily Burgess, Gwendolyn Burgess, Krisi Burghardt, Bradley Burke, Luke Carpenter, Cristhian Casillas, Enrique Chapparo, Baylee Chisum, Li Chi Chiu, David Clinton, Devin Connell, Jenna Coons, Aaron Cornell, Morgan Corona, Brookson Creason, Garett Crispin, Dustin Davilla, Sarah Dengler, DPR, Ashna Dhoonmoon, Candice Dougherty, Madison Duckwall, Mazie Earl, Austin Eaton, Jessica Egner, Logan Ellzey, Courtney Ernst, Andrea Fernandez, Cole File, Marly Fixico-Hardison, Jose Flores, Cheyanne Floyd, Stormy Foley, Jarrod Ford, Rebecca Gaglia, Alexandria Garza, Ashlee Garza-Beitinger, Maci Glasscock, Michael-Joseph Gorbet, Garrett Gresham, Chelsey Griffith, Courtney Gunning, Kyle Hall, Brianna Hassett, Lindsey Hendricks, Tyler Henry, Mary Hertzell, Allyson Heskett, Dillon Heskett, Kendra Hess, Jamie Holsapple, Yi-Wei Huang, Jessica Huffman, Bryn Hull, Rukayat Idris, Derek Inman, Haerim Jeong, Donnie Jones, Tara Jones, Pei-Yu Kao, Heather Kelley, Dakota Kemp, Didier Khoo, Shaylee

Kilhoffer, Jiyoung Kim, Camrel Kimbro, Carlene Kinder, Tom Klade, Melani Knisley, Jordan Lager, Nikki Laitran, Angela Lajaunie, Klemson Lancaster, Emma Leffler, Tzu-Chi Lin, Nicholas Lockyear, P. Montgomery Long, Jiji Lu, Daley McGuire, Shawna Meyer, Allison Mills, Tyler Mitchum, Taiwo Momoh, Tammy Morgan, Amina Mouliom, Rebecca Muldy, Margaret Musser, Ashton Neely, Khanh Nguyen, Quynh Nguyen, Paage Nicoll, Ty Normand, Megan Oertel, Oluwaseyi Oluwabamise, Sequojah O'Neal-Johnson, Dhruv Patel, Jaci Peetoom, Chance Perry, Ashley Pickens, Rebecca Plunk, Kira Powell, Ashley Powers, Lauren Prewett, Daniel Ramirez, Katherine Ramming, Tyler Ray, Tosha Redd, Chris Reyes, Ali Richards, Jordan Sage, Carla Salcido, Prabhjyot Saluja, Kylee Sawatzky, Meagan Saxton, Alexander Scarborough, Ryan Schmid, Kyra Schmidt, Catherine Schubert, Lily Schwemley, Delaney Sharry, Abby Sheik, Ang-Chuten Sherpa, Anthony Shircliff, Dylan Shockey, Kody Shoff, Aditi Shrestha, Alina Shrestha, Taylor Smith, Chesney Swartwood, Canisia Tatah, Jennifer Torres, Mai Tran, Nhu Tran, Michael Tucker, Andikan Usanga, Jessee Velasco, Ashlie Walker, Clay Walker, Jacob Wall, Mason Ware, Rachel Watkins, Talon Watkins, Emma Wedel, Emeche Wells, Mark Williams, Tosha Williams, Tyler Williams, Devin Wilson, John Woods, Brandon Wrobbel, Rachel Yarnell, Sinthia Youmbi, Yixiao Yuan, Caleb Zerby, Yi-ru Zheng.



Student Yi-ru Zheng and Dr. Kelley Logan

SWOSU faculty who participated, either as sponsors or as presenters, included: Ms. Cindi Albrightson, Dr. Teri Allen, Dr. Fred Alsberg, Dr. Lisa Appeddu, Dr. Jimena Aracena, Dr. Amy Barnett, Dr. Randy Barnett, Ms. Madeline Baugher, Dr. Sherri

Brogdon, Mr. Nathan Brooks, Dr. Dan Brown, Dr. Becky Bruce, Mr. Brad Bryant, Dr. Melinda Burgess, Dr. Stephen Burgess, Ms. Marsha Carman, Ms. Mary Carrell, Dr. Lisa Castle, Ms. Yu-Ling Chen, Dr. Kevin Collins, Dr. Rickey Cothran, Dr. Jared Edwards, Dr. Trevor Ellis, Dr. David Esjornson, Dr. Jeremy Evert, Mr. Brad Fitzgerald, Dr. Victoria Gaydosik, Dr. Lori Gwyn, Dr. Jon Henrikson, Dr. Andrea Holgado, Dr. Tim Hubin, Dr. E.K. Jeong, Dr. Jason Johnson, Dr. William Kelly, Ms. Tee Kesnan, Dr. Howard Kurtz, Dr. Denise Landrum-Geyer, Dr. ChihChen Sophia Lee, Dr. David Martyn, Dr. Regina McGrane, Mr. Todd Parker, Dr. Siriporn Peters, Dr. Lisa Schroeder, Dr. Denis Trubitsyn, Dr. Kathy Wolff, and Ms. Kristin Woods.

For graduate and undergraduate students interested in participating in next year's SWOSU Research and Scholarly Activity Fair, applications will be available during the fall 2016 semester. The public is welcome to attend and enjoy the celebration of undergraduate research.



Students Jordan Lager and Victoria Stambaugh



Student Michael Tucker and Dr. Jeremy Evert



Student Chris Reyes



Students DPR and Dhruv Patel



Student Emily Burgess



Student Carla Salcido

Scholarly and Academic Activity

The Office of Sponsored Programs has been notified of the following Scholarly and Academic Activities since the last newsletter:



Dorie Astle, Criminal Justice and Sociology, recently served as a pre-revision book reviewer for Sage publications of *Administration and Management in Criminal Justice* by J. Allen and R. Sawhney, 2nd edition (2015); a book proposal reviewer for Sage Publications of *Sexual Offenses and Offenders* proposed by H. Miller and B. Blaska; and, as a book reviewer for McGraw-Hill Education of *Sociology and Your Life with P.O.W.E.R. Learning* 1st edition by Richard Schaefer and Bob Feldman.



Lisa Castle, Biological Sciences, presented “Using the At-Risk Assessment Tool to Identify Plant Conservation Priorities,” at the Oklahoma Natural Resources Conference in Oklahoma City. She also presented “Prairie Turnips at 15: A Good Model Goes Bad,” at the 39th Annual Society of Ethnobiology Conference in Tucson, Arizona.



Rickey Cothran, Biological Sciences, wrote and published “The importance of reproductive interference in ecology and evolution: from organisms to communities,” in *Population Ecology*, and “Sex-specific nutrient use and preferential allocation of resources to a sexually selected trait in *Hyalella* amphipods,” in the *Journal of Experimental Biology*. Dr. Cothran also was invited to be a guest speaker at Oklahoma State University. He spoke on the “Sexual selection in an ecological context: Insights from amphipods.”



Elaine Davies, Art, Communication, and Theatre, recently wrote and published a book chapter titled “Past Abuse, Cyberstalking, and Help-Seeking Behavior,” in *Contexts of the Dark Side of Communication*. She also

presented “Adverse Health Effects Associated with Cyberstalking,” at the Western States Communication Association Conference in San Diego, California.



Jason Dupree, Al Harris Library, recently presented “Lighting the Way: Testing the Limits of New Library Services,” and served as a discussant on the “Share and Share Alike” panel at the 109th Annual Conference of the Oklahoma Library Association in Tulsa, Oklahoma. He also was elected secretary of the Weatherford Arts Council.



Barry Gales, Pharmacy Practice, served as a reviewer of “Comparison of two population health management approaches to increase vitamin B12 monitoring in patients taking metformin,” for the *Annals of Pharmacotherapy*. He was also appointed Chair for the Oklahoma Society of Health System Pharmacists Scholarship & Awards Committee.



Mark Gales, Pharmacy Practice, recently reviewed the article, “Potassium binding agents to Facilitate renin angiotensin aldosterone system Inhibitor Therapy,” for the *Annals of Pharmacotherapy*.



Fred Gates, Social Sciences, was appointed as Session Chair for the Preparing and Disseminating Information panel at the meeting of the Economic and Business History Society in Montreal, Quebec, Canada.



Brooke Gildon, Pharmacy Practice, recently presented “A Model for Integrating Electronic Health Records and Hospital Claims to Inform Development of an Outpatient Antimicrobial Stewardship Program for Non-Viral Community-Acquired Pneumonia,” at the Academy of Health Annual Research Meeting in Boston, Massachusetts. She also presented “Curricular Preferences and Subsequent

Scholarly and Academic Activity (cont'd)

Employment Choices of Pediatric Degree Option Graduates,” “Pharmacist-Managed Short-Acting Beta Agonist Refill Service Facilities Asthma Care and Education in a General Pediatrics Clinic,” and “Impact of a Pediatric Degree Option on Student Participation in Scholarly Activities,” at the Pediatric Pharmacy Advocacy Group Annual Meeting in Atlanta, Georgia. Dr. Gildon has also recently published “Applicability of the Schwartz Equation and the Chronic Kidney Disease in Children Bedside Equation for Estimating Glomerular Filtration Rate in Overweight Children,” in *Pharmacotherapy*.



Peter Grant, Dean, College of Arts and Sciences, recently produced and published *The Mayfly Newsletter*. He has been the publisher for the newsletter for the past 26 years and has published a total of 37 issues.



ChihChen Sophia Lee, Music Therapy, was recently given the Prestigious Harmony Award-Education at the Southwestern Region of American Music Therapy Association Annual Conference in Oklahoma City, Oklahoma. She also published the

article, “Effects of music listening on stress, anxiety and sleep quality for sleep disturbed pregnant women” in *Women & Health*.



Shelley Martinson, Music, served as an adjudicator for the NFA’s Newly Published Music Competition and for the NFA Young Artist Competition at the National Flute Association in Washington, D.C. She was appointed

Vice President of the Oklahoma Flute Society in Oklahoma City and also served as a judge at the Oklahoma Flute Society Solo and Ensemble Festival for the Oklahoma Flute Society.

Dr. Martinson has performed a number of recitals this year:

- Faculty Solo Recital & Premiere Performance at SWOSU;
- Guest Artist Recital and Master Class at Cameron University in Lawton, Oklahoma;

- Recital & Premiere Performances for the Society of Composers, Inc. in Wichita, Kansas;
- Recital for the College Music Society Great Plains Conference in Kansas City, Missouri; and
- Recital for the Flute Society of Kentucky Flute Festival in Richmond, Kentucky where she also served as a judge for the FSK Young Artist Competition.



Frederic Murray, Al Harris Library, served as a consultant in developing and editing the script on the “Attack at Washita,” for the tactile graphic wall map for the “Communication Design for People with Disabilities: Touch and See Your Park” exhibition. He also served as a Judge for National History Day at the Oklahoma History Center in Oklahoma City.



Anne Pate, Allied Health Sciences, recently wrote and published “Traffic-Related Air Pollution and Childhood Acute Leukemia in Oklahoma,” in *Environmental Research*.



Siriporn Peters, Art, Communication, and Theatre, presented her exhibition “Participatory Graphic Design for Safeguarding Intangible Cultural Heritage,” at Northeastern State University in Tahlequah, Oklahoma for

Oklahoma Research Day. She also received the Best in Show Award of Cyril Oklahoma Historical Society and Art Gallery in Cheyenne, Oklahoma for the exhibit, “Communication Design for People with Disabilities at the National Park Service: Touch and See Your Park.” Both of the previous Exhibitions were presented at the 23rd Annual SWOSU Research and Scholarly Activity Fair in Weatherford, Oklahoma.



Dennis Thompson, Pharmaceutical Sciences, recently served as a reviewer of “Resource utilization after snakebite treatment protocol implementation,” in the *Annals of Pharmacotherapy*.

Scholarly and Academic Activity (cont'd)



Nancy Williams, Pharmacy Practice, was recently appointed to the 2016-17 Abstract Review Committee for the American Society for Parenteral and Enteral Nutrition in Oklahoma City. She served as moderator for the

ambulatory care pharmacy resident session of the Alcalde Southwest Leadership Pharmacy Residency Conference that was held in Frisco, Texas.

Dr. Williams was appointed to the 2015-16 Section Advisory Group on Preceptor Skills Development for the American Society of Health-System Pharmacists in Oklahoma City. She also served as a small group facilitator of 22 pharmacists at the SWOSU/OU 2015 Joint Preceptor Meeting in Broken Arrow and Oklahoma City. Dr. Williams served as a reviewer for a number of abstracts and manuscripts this year:

- Reviewed the manuscript titled, “A Retrospective Evaluation of Inhaled Corticosteroid Use for COPD Patients Receiving Systemic Corticosteroids,” in the *American Journal of Health-System Pharmacy*.
- Reviewed 71 abstracts in the Parenteral Nutrition Therapy Group at the American Society for Parenteral and Enteral Nutrition’s Clinical Nutrition Week, 2016 Meeting in Oklahoma City.
- Reviewed five abstracts in the Pharmacy Practice Section at the 2016 American Association of Colleges of Pharmacy Annual Meeting in Oklahoma City.
- Reviewed three manuscripts for the *American Journal of Health-System Pharmacy*: “Measurement of Antimicrobial Use: Practical Metrics for Stewardship Programs;” “Safety of Continuous Infusion Beta-lactam Antibiotics in Adult Cystic Fibrosis Patients during an Acute Pulmonary Exacerbation;” and “Hospital-Based Clinical Pharmacy Services to Improve Ambulatory Management of Chronic Obstructive Pulmonary Disease.”
- Reviewed the manuscript titled, “Phenytoin Induced Toxic Epidermal Necrolysis: Review and Recommendations,” for the *Hospital Pharmacy Journal*.



Linda Pye, Al Harris Library, has been elected Chair of the University & College Division of the Oklahoma Library Association. She was also elected to be the President of the West Central Oklahoma Literacy Coalition.

Ms. Pye served as a coordinator for the Pre-Conference Museum Tour for the Oklahoma Library Association in Tulsa, Oklahoma. She also served as facilitator for the program, “Assessment of the One Shot” at the Oklahoma Library Association Conference in Tulsa where she presented, “Are You Ready for Shelf Ready?” Ms. Pye also recently served as coordinator for the Workshop, “Turning Copywrongs into Copyrights” that was sponsored by the University and College Division of the Oklahoma Library Association.



Edna Patatianian, Pharmacy Practice, recently published, “Successful Treatment of Methicillin-Resistant Staphylococcus aureus Bacteremia with Ceftaroline fosamil” in *Case Report*. She was also appointed as Co-Chair of

Program Committee 2016-2016 of the OSHP Annual Meeting in Oklahoma City, and was elected to be an Oklahoma Delegate at the ASHP Summer Meeting in Baltimore, Maryland. Dr. Patatianian served as a reviewer for a number of articles in the AACP Abstract:

- Evaluation of an IPE case Competition Activity for Health Profession Student;
- Evaluation of Peer Assessment in Student Pharmacist Standardized Patient Interviews;
- Obowings: A Pilot Study of Inter-professional Patient Safety Training;
- Teaching Health Literacy and Education/Promotion Theories through
- Student Created Public Health Posters;
- Escape the Room Active Learning Strategy in an Elective Course; and
- Development and Outcome Evaluation of IPE Simulation course in High-Fidelity Simulation.

Scholarly and Academic Activity (cont'd)



Jeremy Johnson, Pharmacy Practice, has recently presented his poster, “Literacy-Sensitive Approach to Improving Antibiotic Understanding in a Community-Based Setting,” at the 6th Annual ACCP Virtual Poster Symposium. He has published the articles, “Impact of pharmacist-led educational and error notification interventions on prescribing errors in a family medicine clinic,” in the *Journal of the American Pharmacists Association*; “Identifying opportunities to improve medication management in transitions of care,” in the *American Journal of Health-system Pharmacy*; and “Nontraditional Considerations with Insulin Needle Length Selection,” in *Diabetes Spectrum*. Dr. Johnson has also made the presentations, “Pathophysiology of Pre-Diabetes and Early Treatment Considerations” and “The Role and Management of Statins in Dyslipidemia and Addressing Patient Barriers to Use,” at the 2015 American Association of Diabetes Educators Annual Meeting in New Orleans. Dr. Johnson has served as a reviewer of “Prediabetes and Diabetes: Prevention and Treatment,” in the *Pharmacist’s Letter: Continuing Education*. He also presented, “Adherence to and barriers to diabetic eye exams: A survey of patients with type 2 diabetes,” at the 2015 ASHP Midyear Clinical Meeting in New Orleans.



Hardeep Saluja, Pharmaceutical Sciences, recently published “Hydrogen Bonding: Between Strengthening the Crystal Packing and Improving Solubility of Three Haloperidol Derivatives,” in the journal *Molecules*.



Steven Pray, Pharmaceutical Sciences, served as a consultant on “Expert Testimony on Naturopathy and the Licensure of Naturopathic Doctors” for the Colorado Department of Regulatory Agencies.



Randy Barnett, Psychology, recently published “Sexual Misconduct by Pharmacists Part 1: Background,” in the *U.S. Pharmacist*.



Horrick Sharma, Pharmaceutical Sciences, has served as a reviewer of a number of articles in *RSC Advances*:

- “Halogen bonding enhances activity in a series of dual 5-HT₆/D₂ ligands designed in a hybrid bioisostere generation/virtual screening protocol;”
- “Camphor-based CCR5 blockers lead compounds—a computational and experimental approach;”
- “Multifaceted protective effect of L=pGlu-(1-benzyl)-L-His-L-ProNH₂ against in-vitro and in-vivo model of cerebral ischemia and associated other neurological disorders;”
- “Discovery of a pair of epimeric sulfoxide analogs of TAK-875 as GPR40 agonists for type 2 diabetes treatment: determination of absolute configuration, biological activity and pharmacokinetics;”
- “Exploring of Binding Mechanism and Design of Triazines Derivatives as FAK Inhibitors: Combination of 3D-QSAR, Docking and Molecular Dynamics Simulations Studies;” and
- “Mechanistic of multivariate QSAR models for newly synthesized methoxy substituted chalcones and their anticancer activity.”

Dr. Sharma has also recently served as a reviewer of these articles:

- “Screening and In Vitro Evaluation of Potential Plasmodium falciparum Leucyl Aminopeptidase Inhibitors” and “Discovery of Novel HCV NS5B Thumb I allosteric inhibitors using structure-based virtual screening,” in *Current Computer-Aided Drug Design*;
- “MCRE-D-16-00213,” in *Medicinal Chemistry Research*;
- “The expression of HoxB5 and SPC in neonatal rat lung at exposure to fluoxetine,” in *Drug Design, Development and Therapy*; and,
- “Pharmacophore probing approach reveals the binding site of inhibitors targeting Salmonella enteric PhoP response regulator,” in *Molecular Biosystems*.

Scholarly and Academic Activity (cont'd)



Randall Sharp, Pharmacy Practice, was elected to the Office of President of the Oklahoma Society of Health System Pharmacists. He also has written and published the Summer and Winter 2015, and Spring 2016 edition of the

President's Podium Newsletter for state-wide membership of the Oklahoma Society of Health System Pharmacists.



Sheri Walker, Pharmacy Practice, was recently appointed to the Faculty Senate at Southwestern Oklahoma State University in Weatherford. She gave two workshop presentations this last year, "Pharmacy Overview for Critical Care

Nurses" and "Automatic Change of Parenteral to Enteral Medications in Adults Patients," in Oklahoma City. Dr. Walker presented "Student Confidence in Applying for Post Graduate Training Before and After an Elective Course" and "Recording Mock Patient Interviews: Helping Identify Strengths and Weaknesses in Patient Communication," at the AACP Annual Meeting in National Harbor, Maryland. She also served as a residency mentor for two students at Integris Southwest Medical Center in Oklahoma City.



Krista Brooks, Pharmacy Practice, presented "Pharm Care Lab IV Demonstration" to an Eagle Medical trainee, at the Girl Scout STEM day at SWOSU, and for PharmCORP.

She served as facilitator of the workshop "Challenging Learning Situations Breakout Session," at the Oklahoma Preceptors Conference in Oklahoma City. Dr. Brooks presented "Overview of Influenza and Pneumococcal Vaccines," at the Rural Health Training CE.



Shelly Stockton, Pharmaceutical Sciences, published the textbook *Pharmaceutical Calculations*. The book was published by Wolters Kluwer.



Melanie Claborn, Pharmacy Practice, was appointed to the Preceptor SIG Committee of the American Pharmacists Association. As guest speaker at the For Heaven's sake Child Development Center in Yukon, she presented "Let's Talk About Poisons:"

Poison Prevention. Dr. Claborn presented "Breathing Deeply: Newer Therapies Approved for Chronic Obstructive Pulmonary Disease," at the Oklahoma Society of Health-System Pharmacists Spring Meeting in Norman. She reviewed the articles, "Health Outcomes of Population-Based Pharmacy Outreach to Increase Statin Use for Primary Prevention in Patients with Diabetes," for the *Journal of Managed Care and Specialty Pharmacy*, and "Combination of a flipped classroom and Virtual patient case to enhance active learning in a required therapeutics course," for the *American Journal of Pharmaceutical Education*. She served as judge for the American College of Clinical Pharmacy during a Virtual Poster Symposium. She also served as the workshop facilitator for the SWOSU/OU Preceptor's Conference in Oklahoma City.

SCHOLARLY AND ACADEMIC ACTIVITY

Faculty are encouraged to report work, such as publications, speeches, honors, conference participation or facilitation, appointments, reviews, exhibitions, poster presentations, and other such activities.

The annual scholarly and academic activity report is distributed to university and state officials and acts as an archive of such activities at SWOSU.

The Office of Sponsored Programs also forwards submissions to the SWOSU Libraries digital repository. Information pertaining to the author's activity will not be placed in the library's digital repository without the consent of the author. The report form is available at <http://www.swosu.edu/administration/osp/scholarly-activity-report.aspx>.

OSP UPDATE/CHANGE

Ms. Shabnum Bouma, Grants and Contracts Accountant, now has oversight of the Principal Investigator Indirect Accounts (F&A) and Budget Development. Please contact Shabnum at 788-3014 with any questions regarding your account. She will provide assistance in developing and reviewing your budgets prior to submitting them to the Office of Sponsored Programs.

Grants, Contracts, and Proposals (cont'd)



Trevor Ellis, Chemistry and Physics. *Preparation of Chemical Signaling Molecule A-Factor*. Oklahoma State Regents for Higher Education. \$6,696.

Trevor Ellis, Chemistry and Physics. *Synthesis of Chemical Signaling Gamma-butyrolactone Based (GBL) A-Factor Analogues*. National Institutes of Health. \$2,200.



Lori Gwyn, Chemistry and Physics. *Investigation of DNA hydrolysis activity of Zinc-Cyclen and Zinc-Cyclam Complexes*. Oklahoma State Regents for Higher Education. \$6,663.



Andrea Holgado, Biological Sciences. *Examining the role of autophagy in C. elegans developing neurons*. Oklahoma State Regents for Higher Education. \$5,616.



Doug Misak, Center for Economic and Business Development. *FY16 Partnership Recognition Program*. Oklahoma State Regents for Higher Education. \$500.

Doug Misak, Center for Economic and Business Development. *University Center*. U.S. Department of Commerce. \$102,590.

Grants, Contracts, and Proposals

AWARDS

The following grants and contracts were awarded by Southwestern Oklahoma State University faculty and staff since the last report:



Lisa Appeddu, Pharmaceutical Sciences, **Lori Gwyn**, Chemistry and Physics, and **Cindi Albrightson**, Engineering Technology. *Tech Trek at SWOSU 2016*. National Institutes of Health. \$5,000.

Lisa Appeddu, Pharmaceutical Sciences. *Tech Trek at SWOSU 2016*. National Science Foundation. \$10,000.



Madeline Baugher, Business and Computer Science. *Space Grant College and Fellowship Program*. National Aeronautics and Space Administration. \$4,600.



Rickey Cothran, Biological Sciences. *Effects of commonly used garden pesticides on the development of a sexually selected trait*. Oklahoma State Regents for Higher Education. \$10,476.

GRANTS, CONTRACTS AND PROPOSALS

Faculty interested in pursuing grant opportunities can contact the Office of Sponsored Programs about conducting a fund opportunity search. The process can be started by completing the Research/Scholarly Activity Interest Profile at the Office of Sponsored Programs web site at

www.swosu.edu/administration/osp/osp_interest_survey.aspx

Funding Opportunities

Deadline Date(s): October 5, 2016

Funding Agency: National Endowment for the Humanities

Program Title: Humanities Connections

Web site:

<http://www.neh.gov/grants/education/humanities-connections>

Synopsis: Humanities Connections grants seek to expand the role of the humanities in the undergraduate curriculum at two- and four-year institutions, offering students in all academic fields new opportunities to develop the intellectual skills and habits of mind that the humanities cultivate. Grant projects focus on connecting the resources and perspectives of the humanities to students' broader educational and professional goals, regardless of their path of study. The Humanities Connections projects two core features include, faculty from at least two separate departments or schools at a single institution must collaborate to devise new curricular arrangements, and; projects must include provisions for high-impact student engagement activities that relate directly to the topics of the linked courses. These activities could include individual or collaborative undergraduate research projects; opportunities for civic engagement; or a structured experience with community-based, project-based, or site-based learning.

Funding Range: \$1 to \$100,000

Deadline Date(s): December 1, 2016

Funding Agency: National Science Foundation

Program Title: Division of Physics: Investigator-Initiated Research Projects

Web site:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf16566

Synopsis: The Division of Physics supports physics research and education in the nation's colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular and Optical

Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Plasma Physics (supported under a separate solicitation); and Quantum Information Science.

Funding Range: \$75,000 - \$1,000,000

Deadline Date(s): November 17, 2017

Funding Agency: National Institutes of Health

Program Title: Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21)

Web site: <http://grants.nih.gov/grants/guide/pa-files/PA-R-15-092.html>

Synopsis: This Funding Opportunity Announcement (FOA) encourages grant applications from investigators interested in conducting basic research studies into the biological/genetic causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies designed to investigate biological/genetic bases of cancer disparities, such as (1) mechanistic studies of biological factors associated with cancer disparities, (2) the development and testing of new methodologies and models, and (3) secondary data analyses. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research who can expand available resources and tools, such as bio-specimens, cell lines and methods that are necessary to conduct basic research in cancer health disparities.

Funding Range: up to \$200,000

Deadline Date(s): September 30, 2019

Funding Agency: National Institutes of Health

Program Title: Research Supplements to Promote Diversity in Health-Related Research (Admin Sup)

Web site: http://grants.nih.gov/grants/guide/pa-files/PA-16-288.html#_Section_II_Award_1

Synopsis: The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Program Directors/Principal Investigators holding specific types of research grants

Funding Opportunities (cont'd)

that funds are available for administrative supplements to improve the diversity of the research workforce by recruiting and supporting students, post-doctorates, and eligible investigators from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to Program Directors/Principal Investigators of research grants who are or become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project.

Funding Range: \$5,000 - \$100,000

Deadline Date(s): October 15, 2016

Funding Agency: The NEA Foundation

Program Title: Student Achievement Grants

Web site: <http://www.neafoundation.org/pages/nea-student-achievement-grants/>

Synopsis: The NEA Foundation provides NEA members with grants to improve the academic achievement of students in U.S. public schools and public higher education institutions in any subject area(s). The proposed work should engage students in critical thinking and problem solving that deepen their knowledge of standards-based subject matter. The work should also improve students' habits of inquiry, self-directed learning, and critical reflection.

Funding Range: \$2,000 to \$5,000

Deadline Date(s): October 15, 2016

Funding Agency: The NEA Foundation

Program Title: Learning and Leadership Grants

Web site:

<http://www.neafoundation.org/pages/learning-leadership-grants/>

Synopsis: Our Learning & Leadership Grants support National Education Association (NEA) members who are public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes: 1) Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes, conferences, or action research. 2) Grants to groups fund collegial study, including study groups, action research, lesson plan

development, or mentoring experiences for faculty or staff.

Funding Range: \$2,000 to \$5,000

Deadline Date(s): August 1 and November 1, 2016

Funding Agency: Honda America Foundation

Program Title: Grants for Education

Web Site:

<https://www.charterschoolcenter.org/grant/american-honda-foundation-grants-education>

Synopsis: The American Honda Foundation makes grants that support youth education, with a specific focus on science, technology, engineering and mathematics, as well as the environment, job training and literacy. Organizations may only submit one request in a 12-month period and there are four grant cycles each year.

Funding Range: \$20,000 to \$60,000

Upcoming Events

CUR BIENNIAL CONFERENCE 2016

CUR is hosting its 17th National Conference,

“Advancing Undergraduate Research:

Collaboration and Innovation in a Global

Society,” at the University of South Florida,

Tampa, one of only four Florida public universities

classified by the Carnegie Foundation for the

Advancement of Teaching in the top tier of research universities. The conference date is **June 26-28,**

2016. The 2016 CUR National Conference provides

an opportunity for faculty, administrators, staff,

academic and community partners, and policymakers

to share individual and collaborative investigations,

either interdisciplinary or cross-disciplinary, in local,

national and international contexts, and to showcase

models of undergraduate research activities at all

types of higher education institutions. In addition, the

conference features nationally-recognized keynote

speakers who provide insight into current

national/global trends and related fields of interest.

Upcoming Events (cont'd)

PROPOSAL WRITING INSTITUTE

August 4-8, 2016 – Kellogg West Conference Center & Hotel, Pomona CA

This Institute will bring together faculty and administrators interested in preparing proposals for submission to external funding agencies. The four-day institute will consist of one-on-one work with a mentor, writing, small group discussions, and critiquing of proposals. The institute has been developed to assist novice to experienced proposal writers in drafting complete proposals for submission. Prior to the institute participants will be able to access information that will help them begin to draft their proposal. Applicants must submit a one to two paragraph outline of their proposal and the name of the intended funding agency and program in the on-line application. Time at the Institute will consist of periods of proposal preparation interspersed with one-on-one mentoring by experienced and successful proposal writers, members of grants review panels, former program officers, and Directors of Sponsored Programs Offices. Also, small group discussions and group critiquing sessions will be held. Participants who come well prepared and who work hard should be able to leave the Institute with a completed (or nearly completed) proposal to the granting agency of their choice. A \$50.00 application fee is due at the time of application.

Application Deadline was June 17, 2016.

For more information, please contact:

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6th ANNUAL PROMOTING UNDERGRADUATE RESEARCH CONFERENCE

Friday, September 30, 2016 - PHF Conference Center, OKC

Registration Fee: \$50 faculty, \$75 administrators

iPadpaloozaOU 2016

The Jeannine Rainbolt College of Education and Gaylord College of Journalism and Mass Communication at the University of Oklahoma will host iPadpaloozaOU on **August 26-27** on the OU campus in Norman.

The technology conference is split into two days, with day one geared toward current college students and day two focused on teachers.

Day one is open to any college student interested in educational technology.

The goal is to create a day of learning for pre-service teachers and connect them with current educators before they step into a classroom. The \$25 registration fee includes a T-shirt and breakfast. All educators are welcome to attend day two on August 27. The first 300 Oklahoma educators to register for the event will have the \$75 registration fee waived. The conference will focus on technology integration with an emphasis on iPads.

Speakers on the second day will include Lisa Johnson, Apple distinguished educator and creator of the TechChef4u blog. Registration information is available at <http://bit.ly/iplzou16>. Proposals for conference presentations are currently being accepted at <http://bit.ly/iplzaouproposal>.

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