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December 2011

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OFFICE OF SPONSORED
PROGRAMS

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SWOSU OSP

VOLUME 2, ISSUE 4

12/13/2011

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UPCOMING EVENTS:

- SWOSU Holiday Break
Dec. 24, 2011 —Jan. 2, 2012
- January 16, 2012
OK-INBRE grant deadline
- January 20, 2012
Proposal Development
Award Applications due to
OSP
- January 20, 2012
Oklahoma Arts Council
Proposals due to OSP
- February 28, 2012
Grant Writers Reception
- April 10, 2012
19th Annual SWOSU
Research and Scholarly
Activity Fair

Office of Sponsored
Programs
Administration 201
(580) 774-7012

FACULTY SPOTLIGHT

ADMINISTRATIVE ISSUES JOURNAL

Dr. Tami Moser had a vision, and in this vision she set out on a mission to introduce the first Administrative Issues Journal (AIJ) in our state to a world of administrators. Several colleagues were impressed with Dr. Moser's mission and enthusiastically joined her efforts. With efforts from Dr. Patsy Parker, a grant was obtained from the City of Weatherford, Hotel/Motel Tax Commission to help with the first AIJ Conference. Other members of the Administrative Issues Journal Board are Dr. Trish Wald, Senior Legal Editor; Dr. Kelly Moor, Copy/Production Editor; and Dr. Lisa Appeddu, Research Editor. Also supporting this team effort are SWOSU graduate students Evan Jarrett and Wendy Slater.



Back row, left to right: Dr. Tami Moser, Dr. Blake Sonobe, President Randy Beutler, Mayor Mike Brown, Dr. Patsy Parker, Front row, left to right: Dr. Trish Wald, Dr. Lisa Appeddu, and Dr. Kelly Moor.

The AIJ accepts articles related, but not limited to, administration issues in business, health care, education, and nursing. Quantitative, qualitative, and mixed methodology research articles are double-blind reviewed to choose the top ten to twelve articles relating to issues in education, practice, and research.

The inaugural AIJ Academic Conference, held on October 13 and 14 on SWOSU's campus, was a success. More than 40 authors and co-authors participated in 25 presentations. Dr. Michael Williams, Dean of Touro College's Graduate School of Business in New York City, delivered a dynamic keynote speech and two workshops. He also lead a panel discussion with Provost Blake Sonobe, School of Education's Dr. Mary Aspedon, and College of Pharmacy's Dr. Virgil Van Dusen. The conference proceedings may be found at www.swosu.edu/aij.

Congratulations to Dr. Tami Moser for seeing your vision succeed, and to your colleagues and board who helped make it a success.

Dr. Michael Williams,
Keynote Speaker at
inaugural conference





Check
out our
updated
website at
[www.swosu.edu
/administration/
osp](http://www.swosu.edu/administration/osp)



Have you
recently
presented a
poster of your
work at a
meeting?
Send us a pdf
file of your
poster and we
will add it to
our online
poster
session.
Share your
great works!



FUNDING OPPORTUNITIES

The National Research Council Research Associateship Programs

Summer Faculty awards available for 8-14 weeks, renewable for up to 3 successive summers. Awardees have the opportunity to (1) conduct independent research in an area compatible with the interests of the sponsoring laboratory; (2) devote full-time effort to research and publication; (3) access the excellent and often unique facilities of the federal research enterprise; (4) collaborate with leading scientists and engineers at sponsoring laboratories. There are four submission deadlines per year. For more information, visit <http://sites.nationalacademies.org/pga/rap/>

OKLAHOMA ARTS COUNCIL

SWOSU may submit up to five projects for an Oklahoma Arts Council major grant. Please submit your Proposal Review and Compliance (PRC) form with budget and application to the Office of Sponsored Programs by January 20, 2012.

Proposal due date: February 1, 2012

For more information please visit <http://www.arts.ok.gov/grants.html>

Or contact Berva Pool at X7012

OK INBRE

Deadlines for the various OK-INBRE grants are January 16, 2012 and February 20, 2012. Please visit <http://okinbre.org> under Funding Ops for more details.

OK EPSCoR

Research Opportunity Award-Summer 2012 Deadline March 1, 2012

For more information please visit: <http://www.okepscor.org/research/funding-opportunities/research-opportunity-awards-summer-2012>

SWOSU PROPOSAL DEVELOPMENT AWARDS

The FY12 SWOSU Faculty Proposal Development Award (PDA) submission deadline is January 20, 2012 by 5:00 p.m. to the Office of Sponsored Programs. This year two awards up to \$6,000 each (for a total of \$12,000) are available. The intent of this University award is to provide faculty with financial resources to draft proposals for external funding. For more information please visit the website:

<http://www.swosu.edu/administration/osp/info/pda.asp> or contact OSP at 774-7012.

GRANTS AND CONTRACTS AWARDED

Faruk Khan, Pharmaceutical Sciences, Oklahoma IDeA Network of Biomedical research Excellence (Cyclen Based Novel Antimalarial Agents,” National Institutes of Health through The University of Oklahoma Health Sciences Center, \$66,745 for year 1.

PRESENTATIONS AND PUBLICATIONS

Todd Boyd, Admissions and Recruitment, presented a workshop at the 2011 National Orientation Directors Association (NODA) National Conference entitled “Plugging in the Brightest: High Voltage OL Recruiting”.

Dan Brown, Social Sciences, presented a poster at the Annual Conference of the Southwest Criminal Justice Association entitled “Casinos in Oklahoma”.

Melinda Burgess, Psychology, published a journal article in Media Psychology, 14:289-311, 2011 entitled “Playing with prejudice: the prevalence and consequences of racial stereotypes in video games”.

Denise Landrum-Geyer, Language and Literature, presented a paper at the International Conference on Feminisms and Rhetorics entitled “Essaying (a) Feminist Space”.

Kelly Moor, Language and Literature, presented a workshop at the 2011 Administrative Issues Conference: Creating Opportunities entitled “Submission Do’s and Don’ts”.

Frederic Murray, Library, published a newsletter for the Association of College and Research Libraries, Oklahoma Chapter entitled “Media War Collections: Iraq and Documentary Films”.

Frederic Murray, Library, presented a paper for the Southeastern Oklahoma State University Ninth Native American Symposium: Where No One Else Has Gone Before entitled “Shifting Boundaries: Violence, Representation and the Salt Songs of the Great Basin Peoples”.

Frederic Murray, Library, presented a workshop for Macalester College: Library Technology Conference entitled “BookGrowl: Podcasting Back to the Campus”.

Shelby Unruh, New Student Orientation, presented a workshop at the 2011 National Orientation Directors Association (NODA) National Conference entitled “Plugging in the Brightest: High Voltage OL Recruiting”.

***HAPPY
HOLIDAYS!***

OKLAHOMA RESEARCH DAY

Fifty-one (51) students and seventeen (17) faculty members from Southwestern Oklahoma State University (SWOSU) participated in the recent 13th annual Oklahoma Research Day held at Cameron University (CU) in Lawton, Oklahoma. There were ~765 presentations and ~1200 participants at this year's event. The following presentations were made by SWOSU researchers. Thanks to all who participated!

Safe Sex Among College Students

Cameron Collins and Lisa Appeddu

Intramammary Infections in Beef Cows of Different Genotypes

Meredith Word, Lisa Appeddu, Michael Brown, USDA-ARS-Grazinglands Research Laboratory, and David von Tunge, USDA-ARS-Grazinglands Research Laboratory.

Evaluation of Prescribed Medication Misuse Among College Students

Sierra Goodwin and Lisa Appeddu

Oklahoma Casinos

Dan Brown

Bittersweet Defeat: Sugar and the Decline of Spanish Imperial Power

Jeff Dickey

Weedy Vines in Dry Times: Population Dynamics of *Cyclanthera Dissecta*

Irene Lopez, Ryan Niel Christensen, Chelsi England, Bonnie Caroline Farris, and Lisa M. Castle

Invaders from Heaven? Population Dynamics of *Ailanthus Altissima*, Tree of Heaven

Maria Ortega, Zella Classen, Tanner Joe Wheeler, Caleb Tip Murrow, and Lisa M. Castle

Using a Hybrid Phillips Curve With Memory to Forecast Inflation

Shiouyen Chu and Christopher Shane

Cantizans, Tenorizans, and Bears—Oh my!! A Linguistic-Contrapuntal Model for Renaissance Vocal Music Phrasing

Daniel Farris

The Sulfur Amino Acid Metabolite Lanthionine Ketimine Regulates Synaptic Transmission and Neural Structural Remodeling, and Offers Therapeutic Potential for Neurodegenerative Disease

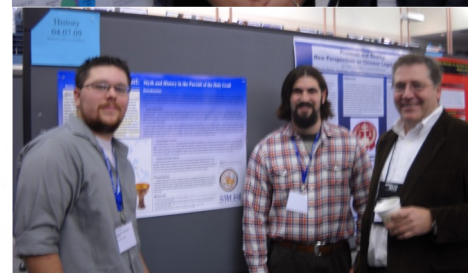
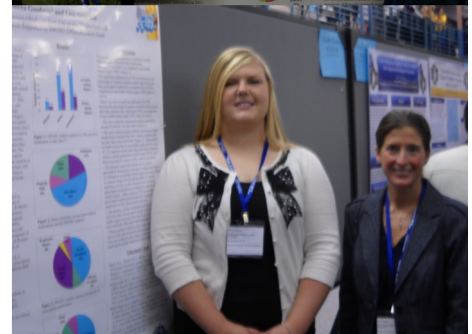
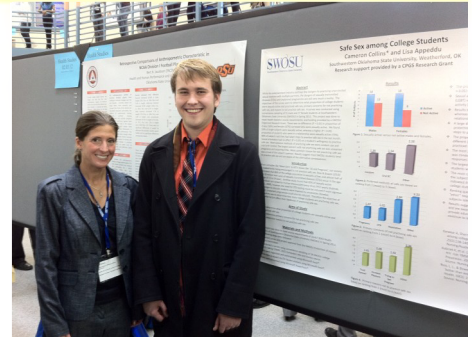
Erica Benda, Tyler Hardin, Taylor Baxter, Elizabeth St. John, Kenneth Hensley, University of Toledo, and Andrea Holgado.

Effect of Lanthionine Ketimine ester on *C. elegans*' Nerve Cells in Culture

Erica Benda, Sean O'Brien, Glennda Tiller, Kenneth Hensley, University of Toledo, and Andrea Holgado.

Rescue of VSM-1 Mutant Synaptic Defects by Microinjection of *C. elegans*

Madison S Cabaniss, Pamela Moreno, Elizabeth St. John, Jeff Short, and Andrea Holgado



Using Microarray to Discover the Secrets of Synaptogenesis

Josiah David Dittrich, Kody Zack McKay, Ashley Rae Rodriguez, and Yesenia Soto

Using SNARE Proteins to Determine the Target Binding Partners of VSM-1

Mandi Racquel Foutch, Tanner Joe Wheeler, Nathan Bernhardt, LaKesha Seals, and Andrea Holgado.

Switching Genes to Study Homology

Claudia Nkeih, LaKesha Seals, and Andrea Holgado

Determining Whether LKE is Integral to the Conversion of Axons to Dendrites

Elizabeth St. John, Erica Benda, Tyler Hardin, and Andrea Holgado

VSM-1 is a SNARE Interacting Protein That Regulates Synapse Formation

Tanner Joe Wheeler, Melanie Graham, Kassandra Guthmueller, Maggie Yoder, Carissa Fischer, Andrea Holgado, LaKesha Seals, and Angela Edwards

V60L Uncouples Glutaminase and Synthetase Activities in CTP Synthetase: GTP Partially Restores Coupling

Mary K. Bayer, Ashlie N. Stacy, and Jason L. Johnson

GTP Allosterically Orders the Oxanion Loop of CTP Synthetase for Interaction With 6-diazo-5-oxo-L-norleucine

Jonathan A. Walker and Jason L Johnson

Not Monty's Grail: Myth and History in the Pursuit of the Holy Grail

Dusty Don Lankford

Parallel and Distributed Image Rendering Using the NSF Extreme Science and Engineering Discovery Environment (XSEDE)

Charles W. Moseley and Vicky Abernathy

The BOINC Project

Charles W. Moseley and Mary Ann Phillips

A Faculty-Oriented Grid-Based Adaptive and Intelligent Information Infrastructure for Research Sharing in Oklahoma Regional Universities

Charles W. Moseley and Chris Thornton

Effect of Zero Gravity on Microbial Pathogenesis

Sarah Souvannachak and Eric Paul

Changing Shopping Habits of Rural Consumers

Eithel Mae Simpson

Photographing Transient Luminous Events

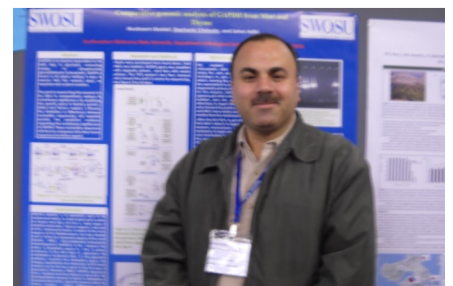
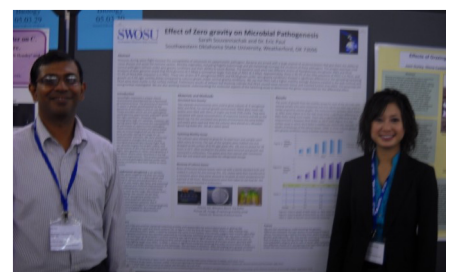
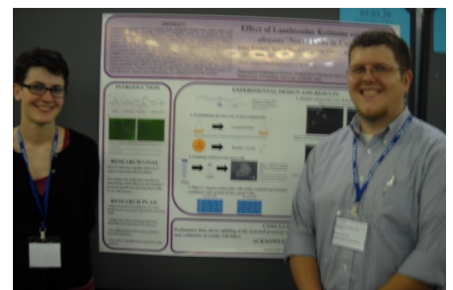
Michael Lee Moore and Tony Stein

Dissolution Rates Enhancement of Raloxifene Using Binary PEG Mixtures

Rahmat M. Talukder and Kara Diane Connelly

Reforming Marriage Laws to Reduce Stress on the Criminal Justice System

Toni Nichole Trim



Analysis of Glyceraldehyde 3-Phosphate Dehydrogenase Gene From Arugula and Sage

Muatasem Ubeidat, Lauren Lee, Stephanie Chidester, Sahar Adibi

Comparative Genomic Analysis of GADPH From Mint and Thyme

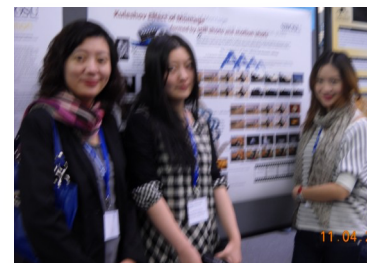
Muatasem Ubeidat, Stephanie Chidester, Lauren Lee, and Sahar Adibi

Cross Culture Collaboration in Visual Communication Class

Xiaomiao Wang

Montage in Experimental Film

Yifan Wang, Chenxi Du, and Xiaomiao Wang



SWOSU RESEARCH AND SCHOLARLY ACTIVITY FAIR

The 19th Annual SWOSU Research and Scholarly Activity Fair has been scheduled for April 10, 2012. Abstract submission information will be available at the beginning of the Spring semester. We look forward to learning more about your projects in the spring. Thanks!

COMPLIANCE CORNER

Institutional BioSafety

The Institutional BioSafety Committee (IBC) is appointed to review all research, funded or unfunded, conducted on the SWOSU campus involving the use of **potentially infectious organisms and/or recombinant DNA** to ensure proper safeguards are instituted in order to protect the health of the employee and the environment. All faculty or staff wishing to conduct such research are required to complete a BioSafety Compliance Form located on the SWOSU web site at <http://www.swosu.edu/administration/osp/research-forms.asp> and receive approval prior to the initiation of new research projects. Once approved by the IBC, continuing research projects do not need to be reviewed in subsequent years unless alternative host systems, vectors, or protocols are employed. Completed BioSafety Compliance Forms may be submitted to Lori Gwyn, Director of the Office of Sponsored Programs.

The **SWOSU BioSafety Guidelines** may be found at <http://www.swosu.edu/administration/osp/policies.asp>.

If you have questions regarding the above information, please contact Dr. Jason Johnson (3110), Chair, Institutional BioSafety Committee.

2011-2012 IBC Members:

Dr. Jason Johnson, Chair

Dr. Arden Aspedon

Dr. Lisa Boggs

Dr. Mark Hoffman

Dr. Dennis Messmer

Ex-Officio:

Vice President, Dr. Cynthia Foust

Dr. Lori Gwyn