



11-1-2010

November 2010

Lori Gwyn

Berva Pool

Delana Holt

Follow this and additional works at: <https://dc.swosu.edu/osp>

Recommended Citation

Gwyn, Lori; Pool, Berva; and Holt, Delana, "November 2010" (2010). *SWOSU OSP*. 3.
<https://dc.swosu.edu/osp/3>

This Article is brought to you for free and open access by the OSP Newsletters at SWOSU Digital Commons. It has been accepted for inclusion in SWOSU OSP by an authorized administrator of SWOSU Digital Commons. An ADA compliant document is available upon request. For more information, please contact phillip.fitzsimmons@swosu.edu.

OFFICE OF SPONSORED PROGRAMS

Dr. Lori Gwyn, Director
Ms. Berva Pool, Specialist
Ms. Delana Holt, Student

INSIDE THIS ISSUE:

Faculty Spotlight 1

Grants and Contract Awards 2

Publications and Presentations 2

Oklahoma Re- search Day 3-5

Compliance Corner 6

PROPOSAL DEADLINES:

- Proposal Development Award.
Application due to OSP by
5:00 p.m. **January 14, 2011**

[http://www.swosu.edu/
administration/osp/news/
index.asp](http://www.swosu.edu/administration/osp/news/index.asp)

- OK-INBRE Faculty Funding
Opportunities Submission
Deadline is **January 18, 2011**

[http://okinbre.org/Faculty%
20and%20Student%
20Programs.htm#Faculty%
20Mini%20Grants](http://okinbre.org/Faculty%20and%20Student%20Programs.htm#Faculty%20Mini%20Grants)

- OK-INBRE Students Summer
Program Submission Deadline
is **January 31, 2011**

[http://okinbre.org/Student%
20Funding.htm](http://okinbre.org/Student%20Funding.htm)

Office of Spon-
sored Programs
Administration 201
(580) 774-7012

SWOSU OSP

VOLUME 1, ISSUE 3

11/22/10

Faculty Spotlight

MS. MADELINE BAUGHER

came to Weatherford, Oklahoma in 1978 as a faculty wife when Dr. Richard Baugher accepted a position in the Technology Education department. With an Associate of Arts degree from the University of Maryland, College Park, Maryland, Madeline pursued her education dream while receiving her Bachelor of Science, Summa Cum Laude, from Southwestern Oklahoma State University and then completed her Master of Computing Science, from Texas A&M University College Station, Texas.



Madeline began her teaching career at SWOSU as a part-time Instructor in the Computer Science Department in 1979 through 1989. She became a full-time Instructor in 1989, and is currently a full-time Instructor in Accounting, Computer Science, and Entrepreneurship. She has just recently been appointed the Program Coordinator for the Oklahoma NASA Space Grant Consortium and NASA EPSCoR.

Madeline taught COBOL and Fortran programming languages for many years. She introduced the first database management course at SWOSU in 1980, taught the first ORACLE relational database course in 2001, and created a Web Development course using Dreamweaver and Flash software.

Madeline has sponsored many student programming teams to both regional and national competitions since 1999. She became SWOSU representative to Oklahoma Space Grant-NASA Consortium in Fall 2006 and has helped it grow from a \$24,000 grant to a \$78,000 grant. This grant helps fund student researchers in STEM fields and it has funded several new projects. A Spectroscopy project directed by Dr. Wayne Trail and Dr. Tony Stein from Physics takes pictures of the stars and studies their chemical composition. A BalloonSat project directed by Brad Bryant in Engineering Technology, has students building small satellites and launching them via weather balloon. The First Tech Challenge (FTC) Robotic contest is part of an international contest which will bring over 300 high school students and sponsors to the SWOSU campus this December. The FTC event is a joint project between the Engineering Technology faculty and the Computer Science faculty. Last year, for the first time ever, Oklahoma sent three teams to the international finals in the Georgia Dome.

Madeline enjoys reading, needlework, and travel. She tap dances with Kendi & Co., a group of twelve ladies from ages 20 to 80 who have a ball. She works in the bed-babies Sunday School department at First Baptist Church.

Family is top priority for Madeline, her husband Ric, her daughter Rebecca, who graduated from SWOSU Pharmacy school and serves on the Alumni board, and her son and daughter-in-law Matthew and Angela who live in Broken Arrow.

Madeline loves the opportunity to make a difference in a student's life and thanks the Lord for his graciousness.



GRANT WRITING TIP

Become a reviewer. You can start by volunteering at an agency that fits your interests. This is a good opportunity to see how the process works first hand and to see what projects are funded and which ones are not.

<http://www.cur.org/peer/peerregistry.asp>



*Even if you're
on the right
track, you'll
get run over if
you just sit
there.*

Will Rogers



Grants and Contracts Awarded

Cynthia Foust, "Southwestern Oklahoma State University Violence Prevention Project (RUSO-VPP)", U.S. Department of Justice, Office of Violence Against Women through East Central University.

Jason Johnson, "Student Attendance of Southwest/Southeast Combined Regional ACS Meeting", Oklahoma EPSCoR.

PUBLICATIONS AND PRESENTATIONS

Dan Brown, Social Sciences, presented a paper at the Southwest Criminal Justice Association Annual Conference entitled "The Injustice of Native American Justice."

Daniel King Farris, Music, published an electronic publication entitled "Intertextualization: A Historical and Contextual Study of the Battle Villancico El mas Augusto Campeon," for the 1st Annual International Conference on Fine and Performing Arts Abstract Book published by the Athens Institute of Education and Research.

PROPOSAL DEVELOPMENT AWARDS

The FY11 SWOSU **Faculty Proposal Development Award** submission deadline is January 14, 2011 by 5:00 p.m. to the Office of Sponsored Programs. Three awards up to \$4000 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.

GRANT-WRITING OPPORTUNITY

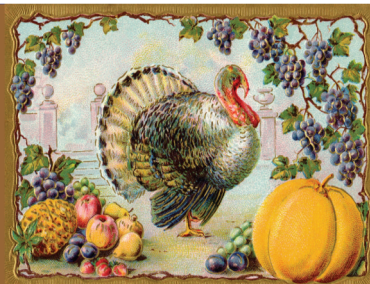
BEGINNING GRANT WRITING

December 16, 2010 – 9:00 am to 3:00 pm

Oklahoma State Regents – 655 Research Parkway, OKC

For more information and registration, see <http://www.okhighered.org/grant-opps> and select **TRAINING OPPORTUNITIES**, or send an email to lmason@osrhe.edu.

**OSP WISHES YOU
A
SAFE AND HAPPY
THANKSGIVING**



OKLAHOMA RESEARCH DAY

Oklahoma Research Day is a consortium event coordinated by Oklahoma's Regional Universities. The first Research Day in Oklahoma was held in 1999 and included 233 poster presentations by students and faculty from colleges and universities across Oklahoma.

Now in its 12th year, Oklahoma Research Day has grown in numbers and stature. Contributions come from all of Oklahoma's institutions of higher learning, and collaboration with national and international research institutions. The number of poster presentations has grown to more than 600, with more than 1200 students, faculty and guests in attendance.

Approximately forty (40) students and twenty (20) faculty from Southwestern Oklahoma State University (SWOSU) presented twenty-eight (28) posters (listed below) in the 12th annual Oklahoma Research Day 2010 held at Cameron University (CU) in Lawton, Oklahoma.

The event was sponsored by the Oklahoma State Regents for Higher Education, Oklahoma Experimental Program for Stimulating Competitive Research (EPSCoR) - National Science Foundation, Idea Network for Biomedical Research Experience (INBRE) - National Institutes of Health, the Oklahoma Center for the Advancement of Science and Technology (OCAST), and the Oklahoma Regional Universities. The 2010 Oklahoma Research Day also featured a number of prominent speakers including Dr. Glen Johnson, Chancellor of the Oklahoma State Regents for Higher Education and Dr. Jerry Malayer, Oklahoma EPSCoR Director. While emphasizing the importance of undergraduate research, the speakers also discussed the future of higher education in the state of Oklahoma and the importance of technological advancement through research as a means to foster economic growth.

SWOSU POSTER TITLES AND AUTHORS

“Allosteric Ordering of the
“Oxyanion Loop” as a Mechanism for Activating Triad Glutamine Amidotransferase (GAT) Enzymes”

Jonathan Walker, Southwestern Oklahoma State University; Jason Johnson, Southwestern Oklahoma State University

“An Adaptive Information Infrastructure based on the Malcolm Baldrige National Quality-Award Criteria for Excellence”

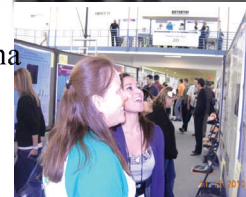
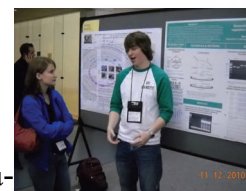
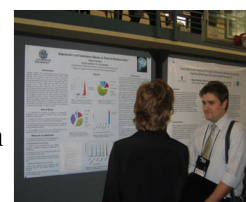
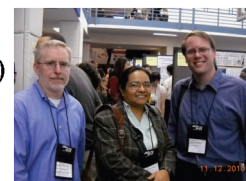
Warren Moseley, Southwestern Oklahoma State University; Vicki Abernathy, Southwestern Oklahoma State University

“Analysis of the Oklahoma Juvenile Justice System “

Staci Masquelier, Southwestern Oklahoma State University

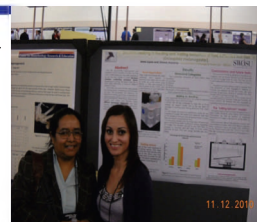
“An Analysis of Actions Against Registrants by the Oklahoma BNDD: 2000-2009”

Jessica Casselman, Southwestern Oklahoma State University; Jill Floyd, Southwestern Oklahoma State University; Robert Gholson, Southwestern Oklahoma State University; Meghan Haftman, Southwestern Oklahoma State University; Tayana Patrick, Southwestern Oklahoma State University; Antionette Smith, Southwestern Oklahoma State University; William French, Southwestern Oklahoma State University; Virgil Van Dusen, Southwestern Oklahoma State University



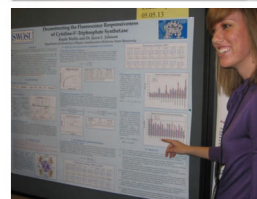
“Decision-making in Feeding and Mating Behaviors of Field Collected Fruit Flies (*Drosophila melanogaster*)”

Irene Lopez, Southwestern Oklahoma State University; Jimena Aracena, Southwestern Oklahoma State University



“Deconstructing the Native Fluorescence Responsiveness to Allostery of Cytidine-5'-Triphosphate Synthetase (CTPS)”

Kayla Wallis, Southwestern Oklahoma State University; Jason Johnson, Southwestern Oklahoma State University



“Depression and Substance Abuse: Is There A Relationship?”

Ryan Cowick, Southwestern Oklahoma State University; Lisa Appeddu, Southwestern Oklahoma State University



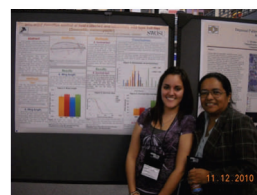
“Determining the Molecular Players Mediating Lanthionine Ketimine Ester (LKE) Function at Nematodes' Synapses”

Erica Benda, Southwestern Oklahoma State University; Taylor Baxter, Southwestern Oklahoma State University; Tyler Hardin, Southwestern Oklahoma State University; Andrea Holgado, Southwestern Oklahoma State University



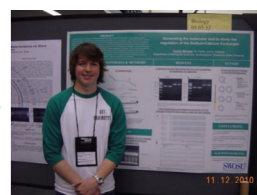
“Differential Pulse Anodic Stripping Voltammetry (DPASV) for the Detection of Barium from Oil Well Water”

Crystal Mars, Southwestern Oklahoma State University; Curt Woolever, Southwestern Oklahoma State University



“Differential Starvation Survival of Field Collected and Laboratory Wild Type Fruit Flies (*Drosophila melanogaster*)”

Pamela Moreno, Southwestern Oklahoma State University; Jimena Aracena, Southwestern Oklahoma State University



“Distributed and Parallel Rendering of Complex 3d Images and Animations using the Tera-Grid”

Warren Moseley, Southwestern Oklahoma State University; David Goree, Southwestern Oklahoma State University; Chris Goree, Southwestern Oklahoma State University



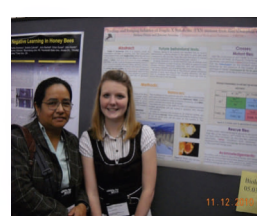
“Effect of Drug-Drug and Drug-polymer Hydrogen Bonding in Preparing Solid Dispersion Formulations “

Hardeep Saluja, Southwestern Oklahoma State University



“Examining CREB-regulated Long-term Associative Learning and Memory in *C. Elegans*”

Kassandra Guthmueller, Southwestern Oklahoma State University; Carissa Fischer, Southwestern Oklahoma State University; Melanie Graham, Southwestern Oklahoma State University; Andrea Holgado, Southwestern Oklahoma State University



“Feeding and Foraging Behavior of Fragile X Syndrome (FXS) Mutant Fruit Flies (*Drosophila melanogaster*)”

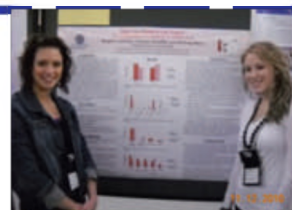
Melissa Peters, Southwestern Oklahoma State University; Jimena Aracena, Southwestern Oklahoma State University

“Collateral Constraints and Financial Intermediaries in the New Keynesian Open Economy”

Vivien Chu, Southwestern Oklahoma State University; Christopher Shane, Southwestern Oklahoma State University

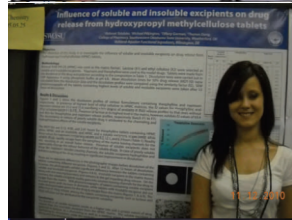
"Have you Saved a Life Today? Donating Blood in Western Oklahoma"

MegAnn Johnson, Southwestern Oklahoma State University; Chelsey Scheffler, Southwestern Oklahoma State University; Whitney Merle, Southwestern Oklahoma State University; Lisa Appeddu, Southwestern Oklahoma State University



"Influence of Soluble and Insoluble Excipients on Drug Release from Hydroxypropyl Methylcellulose Tablets"

Rahmat Talukder, Southwestern Oklahoma State University; Tiffany Garman, Southwestern Oklahoma State University



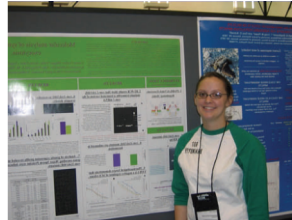
"International Green Design: Recycling Appreciation Stickers Project and Recycled Artwork Project"

Martin Lopez, Southwestern Oklahoma State University; Michael Miller, Southwestern Oklahoma State University



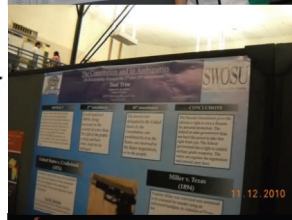
"Molecular Analysis of Synaptic Vesicle Exocytosis"

Carissa Fischer, Southwestern Oklahoma State University; Kassandra Guthmueller, Southwestern Oklahoma State University; Maggie Yoder, Southwestern Oklahoma State University; Melanie Graham, Southwestern Oklahoma State University; Andrea Holgado, Southwestern Oklahoma State University



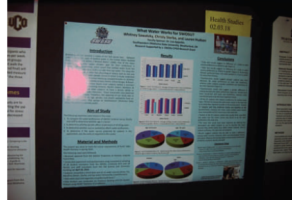
"Strong Voice: Graphic Design in Social Issues"

Estrella Lopez, Southwestern Oklahoma State University; Xiaomiao Wang, Southwestern Oklahoma State University



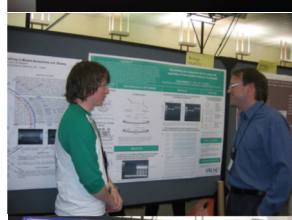
"The Constitution and its Ambiguities: The Relationship Between the 2nd and 10th Amendments"

Toni Trim, Southwestern Oklahoma State University



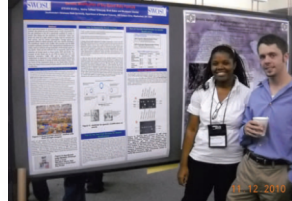
"Using Hashing to Maintain Data Integrity in Cloud Computing Systems"

Anthony Scabby, Southwestern Oklahoma State University; Anil Pereira, Southwestern Oklahoma State University



"What Water Works for SWOSU?"

Christy Sterba, Southwestern Oklahoma State University; Lauren Hudson, Southwestern Oklahoma State University; Whitney Sawatzky, Southwestern Oklahoma State University; Lisa Appeddu, Southwestern Oklahoma State University



"Women Who Kill"

Dan Brown, Southwestern Oklahoma State University



"Generating the Molecular Tool to Study the Regulation of the Sodium-Calcium Exchanger"

Tanner Wheeler, Southwestern Oklahoma State University; Maggie Yoder, Southwestern Oklahoma State University; Andrea Holgado, Southwestern Oklahoma State University



"Genetic Modification of Soy in Soy-Based Baby Formula"

Steven Bozell, Southwestern Oklahoma State University; Vanina Toffessi, Southwestern Oklahoma State University; Muatasem Ubeidat, Southwestern Oklahoma State University

"Classical Influence on Ancient and Renaissance Art: Pompeii and the Vatican"

Sara Christoff, Southwestern Oklahoma State University; Michael Miller, Southwestern Oklahoma State University; Todd Parker, Southwestern Oklahoma State University

Compliance Corner: INTELLECTUAL PROPERTY

The members of the Intellectual Property Committee (IPC) wish to assure that all administrators, faculty, staff, and students are aware of and comply with the Intellectual Property Policies (IPP) governing patents, copyrighted material, trademarks, and other intellectual property created or used by the Southwestern Oklahoma State University community. The IPP complement those policies currently in place by the Regional University System of Oklahoma.

Although the IPP are extensive, administration, faculty, staff, and students should be familiar with the contents. The IPP allow users to properly recognize the rights and obligations concerning the creation or use of intellectual property. To assist our SWOSU community in compliance with governing laws and policies, the IPC members request that you take a moment to review the web sites below.

In the links below, you will find SWOSU's policy on Intellectual Property and related policies and resources of SWOSU and others. You should be familiar with all of these. Additionally, you will find links to assist you in properly using copyrighted material and a form to disclose any intellectual property created. Submit this form to Dr. Lori Gwyn, SWOSU Office of Sponsored Programs.

Please remember, owners of intellectual property may vigorously pursue their rights of ownership. Misusing copyrighted material may put the University system and YOU at risk; therefore, if you have questions regarding SWOSU's IPP, contact a member of the Intellectual Property Committee or call the Office of Sponsored Programs (OSP) at ext. 7012.

SWOSU Intellectual Property Policy

<http://www.swosu.edu/administration/osp/policies.asp>

SWOSU Disclosure of Intellectual Property Form

<http://www.swosu.edu/administration/osp/policies.asp>

Reproduction of Copyrighted Works by Educators and Students

<http://www.swosu.edu/administration/osp/policies.asp>

Checklist for Conducting a Fair Use Analysis Before Using Copyrighted Materials

<http://www.swosu.edu/administration/osp/policies.asp>

Regional University System of Oklahoma Policy: Copyright Policy

<http://www.swosu.edu/administration/osp/policies.asp>

Regional University System of Oklahoma Policy: Patents

<http://www.swosu.edu/administration/osp/policies.asp>

Additional Resources on OSP web page

<http://www.swosu.edu/administration/osp/policies.asp>

Intellectual Property Committee Members: 2010-2011 (Subject to change)

Dr. Radwan Al-Jarrah, Chair
Dr. Les Crall
Dr. Phil Holley
Dr. Evette Meliza

Dr. Viki Craig
Dr. Faruk Khan
Dr. Tim Hubin

Ex-Officio:
Dr. Lori Gwyn
Dr. Jonathan Sparks
Dr. Les Price