

**FY09  
EXTRAMURAL AWARDS  
GRANTS, CONTRACTS, AND COOPERATIVE  
AGREEMENTS  
AT  
SWOSU**

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Incidence and antimicrobial resistance of microbes causing bovine mastitis (Summer Student Mentor) FY09*” in the amount of \$2,200. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Lisa Appeddu**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*Oklahoma Space Grant Consortium – NASA Scholarships and Workforce Development FY09*” in the amount of \$29,500. The grant, in part, supports scholarships for students interested in pursuing space related educational programs. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Madeline Baugher**.

**NEWARK DRILLING FLUIDS** has awarded a contract entitled “*Workforce Development in IT Support FY08*” in the amount of \$5,880. The contract, in part, supports a mentoring internship program for training undergraduate students. The primary function of this award is university student training support. The principal investigator of the contract is **Ms. Madeline Baugher**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*Oklahoma Space Grant Consortium – Additional Funding FY09*” in the amount of \$16,605. The grant, in part, extends the capabilities for the development of new program projects that will support scholarships for students interested in pursuing space related educational programs. The primary function of this award is faculty development. The principal investigator of the grant is **Ms. Madeline Baugher**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*SWOSU-Oklahoma Space Grant Consortium Awareness Event FY09*” in the amount of \$1,000. The grant, in part, supports an awareness event to acknowledge and recognize students and their accomplishments in the Oklahoma Space Grant Consortium. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Madeline Baugher**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*Oklahoma Space Grant Consortium – Balloon Satellite Project FY09*” in the amount of \$4,000. The grant, in part, will provide students with “hands-on” experience in applying technology, engineering, mathematics, and the natural sciences using weather sounding balloons. The primary function of this award is university student training and support. The principal investigators of the grant are **Ms. Madeline Baugher and Mr. Brad Bryant**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*First Robotics FY09*” in the amount of \$2,000. The grant, in part, will provide exposure to Western Oklahoma high school students to science, technology, engineering, and mathematics through robotics. The primary function of this award is K-12 teacher training. The principal investigators of the grant are **Ms. Madeline Baugher and Mr. Frank White**.

**PRECISION DESIGN, INC.** has awarded a contract entitled “*Workforce Development in Aeronautics FY09*” in the amount of \$4,777. This contract, in part, supports enhanced state economic and workforce development in aeronautics and space, while providing applied learning experiences for students and faculty. The primary function of this award is university student training and support. The principal investigator of the contract is **Ms. Madeline Baugher**.

**SOLIDWORKS** has awarded a grant entitled “*SolidWorks STEM III*” in the amount of \$6,000. The grant, in part, supports a program to increase content knowledge, create 3D designs, and to incorporate current 3D designs in the Department of Industrial and Engineering Technology at SWOSU. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Richard Baugher**.

The **CHESAPEAKE ENERGY CORPORATION** has awarded a grant entitled “*President’s Leadership Class Grant FY09*” in the amount of \$100,000. The grant, in part, supports a four year program for incoming freshman to learn and be recognized for their leadership skills. The primary function of this award is university student training and support. The principal investigator of this grant is **Mr. Randy Beutler**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Summer Science and Mathematics Academy FY09*” in the amount of \$38,400. The grant, in part, supports a summer academy program for underrepresented high school juniors and seniors to experience a relationship between science, technology, engineering, and mathematics disciplines. The primary function of this award is K-12 student training. The principal investigator of the grant is **Dr. Brian Campbell**.

The **NATIONAL SCIENCE FOUNDATION** through Oklahoma State University has awarded a cooperative agreement entitled “*Louis Stokes Alliance for Minority Participation in Science, Mathematics, Engineering, and Technology Phase III Yr 5*” in the amount of \$12,141. The cooperative agreement, in part, supports efforts to recruit minority students to pursue degrees in the science, mathematics, engineering, and technology fields. The primary function of this award is university student training and support. The principal investigator of the cooperative agreement is **Dr. Brian Campbell**.

The **OKLAHOMA STATE DEPARTMENT OF EDUCATION** through the Darlington Public School District has awarded a contract entitled “*Science and Mathematics Association of Rural Teachers (SMART) FY09*” in the amount of \$10,500. The contract, in part, supports teachers to gain hands-on experience and training in mathematics, science, and technology. The primary function of this award is K-12 teacher training. The principal investigator of the contract is **Dr. Brian Campbell**.

The **CORPORATION FOR NATIONAL AND COMMUNITY SERVICE** through North Carolina Campus Compact has awarded a grant entitled “*Martin Luther King Jr. Day of Service*,” in the amount of \$500. This grant, in part, provides support to engage college students in service to honor Dr. King. The partnership will mobilize more college students and campuses to observe the MLK Day holiday through service, implement elements of the MLK Challenge

model, and provide high quality service projects that engage diverse volunteers in meaningful activities while positively impacting local communities. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Cindy Dougherty**.

The **CITY OF WEATHERFORD** through Hotel/Motel Tax Advisory Committee has awarded a grant entitled “*Tough Enough to Wear Pink 5K Run FY09*”, in the amount of \$3,000 in “Chamber Bucks”. This grant, in part, provides support to student organizations to provide a USATF sanctioned event on the SWOSU campus. The primary function of this award is public service. The principal investigator of the grant is **Ms. Cindy Dougherty**.

The **WALT DISNEY COMPANY** has awarded a grant entitled “*SWOSU/Disney RFID Project Phase II – FY09*”, in the amount of \$13,607.00. This grant, in part, will provide real time learning experiences for SWOSU students, encompassing quality control, manufacturing operations, statistical analysis, and marketing. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Brad Fitzgerald**.

The **AMERICA ELECTRIC POWER FOUNDATION** has awarded a grant entitled “*Industrial and Engineering Technology Equipment*” in the amount of \$25,000. The grant, in part, supports the purchase of equipment for the Industrial and Engineering Technology department. The primary function of this award is general university support. The principal investigator of the grant is **Ms. Brandi Gateley**.

The **HIGHER EDUCATION TELECOMMUNICATION ASSOCIATION OF OKLAHOMA (HETA)** has awarded a grant entitled “*ITC eLearning 2009 Conference (Travel Award)*” in the amount of \$1,462. The grant, in part, supports staff development through workshops and networking. The primary function of this award is faculty development. The principal investigator of the grant is **Mr. Steven Haldeman**.

The **U.S. DEPARTMENT OF COMMERCE** through the Economic Development Administration has awarded a grant entitled “*EDA University Center FY10*” in the amount of \$97,850. The grant, in part, supports the continuation of an Economic Development Administration University Center at SWOSU to provide technical assistance and promote economic development throughout western Oklahoma. The primary function of this award is economic development. The principal investigator of the grant is **Dr. Marvin Hankins**.

The **U.S. DEPARTMENT OF COMMERCE** through the Oklahoma Alliance for Manufacturing Excellence, Inc. has awarded a grant entitled “*Southwestern Manufacturing Consortium: Manufacturing Extension Agent and Fiscal Agent FY09*” in the amount of \$42,000. The grant, in part, supports a manufacturing extension and fiscal agent who works with existing small to medium-sized manufacturers to improve the manufacturers' ability to compete in the international market place. The primary function of this award is economic development. The principal investigator of the grant is **Dr. Marvin Hankins**.

The **SOUTHWEST OKLAHOMA IMPACT COALITION** has awarded a cooperative agreement entitled “*Southwest Regional Economic Development Grant 2009*” in the amount of \$27,400. The cooperative agreement, in part, supports the Southwest Oklahoma Impact Coalition (SOIC) in its efforts to provide a regional approach in pursuing efforts to enhance community and economic development in the southwest region of Oklahoma. The primary function of this award is economic development. The principal investigator of the cooperative agreement is **Dr. Marvin Hankins**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Partnership Recognition Program FY09*” in the amount of \$500. The grant, in part, supports the development of a partnership with and external business and SWOSU. The primary function of this award is economic development. The principal investigator of the grant is **Dr. Marvin Hankins**.

The **U.S. SMALL BUSINESS ADMINISTRATION** through Southeastern Oklahoma State University has awarded a cooperative agreement entitled “*Small Business Development Center 2009*” in the amount of \$208,891. The cooperative agreement, in part, enhances economic development in the Southwestern Region of the state by offering counseling and training to existing and potential small business clients. The primary function of this award is economic development. The principal investigator of the cooperative agreement is **Dr. Marvin Hankins**.

The **NATIONAL INSTITUTES OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*Regulating Sinaptic Vesicle Exocytosis FY09*” in the amount of \$14,500. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Andrea Holgado**.

The **NATIONAL INSTITUTE OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*Major Research Instrumentation of a Fluorescent Compound Microscope – FY09*” in the amount of \$35,000. The grant, in part, supports biomedical research for students at an undergraduate institution through the purchase of equipment. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Andrea Holgado**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Molecular Analysis of Vesicle Exocytosis – INBRE FY09*” in the amount of \$25,000. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Andrea Holgado**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*NIH OK INBRE Summer Student Mentor Program – FY09*” in the amount of \$2,200. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Tim Hubin**.

The **NATIONAL INSTITUTES OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*Development and Screening of Transition Metal Complexes as CXCR4 Antagonists – INBRE FY09*” in the amount of \$126,216. The grant, in part, supports scientific research that will enhance the professional and scholarly development of faculty at predominantly undergraduate institutions. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Timothy Hubin**.

The **ELIZABETH FIRESTONE GRAHAM FOUNDATION** has awarded a grant entitled “*Exhibit Catalog*” in the amount of \$10,000. The grant, in part, supports the development of a catalog for art exhibits representing the history and lives of western Oklahoma natives. The primary function of this award is cultural enrichment. The principal investigator of the grant is **Ms. EunKyung Jeong**.

The **WEATHERFORD ARTS COUNCIL** has awarded a grant entitled “*Public Art – Tapestry (Design) FY09*” in the amount of \$1,500. The grant, in part, supports the design development of a public art tapestry for the communities of western Oklahoma by involving students and other community members in the creation of a blueprint for the tapestry. The primary function of this award is cultural enrichment. The principal investigator of the grant is **Ms. EunKyung Jeong**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Unraveling the GTP-Mediated Coordination of CTP Synthetase – INBRE FY09*” in the amount of \$25,000. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Jason Johnson**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*GTP-Mediated Coordination of CTP Synthetase – FY09 INBRE Summer Student Mentor Program*” in the amount of \$2,200. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Jason Johnson**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*NIH OK INBRE Summer Mentorship FY09*” in the amount of \$2,200. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. William Kelly**.

The **NATIONAL INSTITUTE OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*NIH OK INBRE Supplemental Equipment Grant – FY09*” in the amount of \$15,000. The grant, in part, supports biomedical research for students at an undergraduate institution through the purchase of equipment. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **NATIONAL INSTITUTE OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*NIH OK INBRE Supplemental Equipment Grant Addendum – FY09*” in the amount of \$35,000. The grant, in part, supports biomedical research for students at an undergraduate institution through the purchase of equipment. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **NATIONAL INSTITUTE OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*Effects of Short Term and Long Term Flex-Het Therapy on Mitochondrial Electron-Transport Function FY09*” in the amount of \$59,094. The grant, in part, supports biomedical research for students at an undergraduate institution. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Oklahoma Giants – Exploring the Science, Math, Engineering and Technology of Oklahoma Wind and Natural Gas Energy - Year 3*” in the amount of \$32,400. The grant, in part, supports students gaining knowledge of two of Oklahoma’s most valuable resources, wind and natural gas using labs and field trips. Students will explore the math, science, and technology used every day by Oklahoma men and women as they produce energy for our nation. The

primary function of this award is K-12 student training. The principal investigator of the grant is **Mr. Dick Kurtz**.

The **OKLAHOMA CAMPUS COMPACT** has awarded a grant entitled “*Service Learning – Music Therapy Field Studies (MUS 4311 & MUS 2181) FY09*” in the amount of \$500. This grant, in part, supports the development of a program for music therapy students to have direct contact with patients in need of music therapy. The primary function of this award is program development. The principal investigator of the grant is **Dr. Sophia Lee**.

The **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*2008 NCAA Conference Grant Supplement*” in the amount of \$160. This grant, in part, supports SWOSU Athletic Department by providing funding for faculty to travel to an associational and professional conference. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Kelli Litsch**.

The **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*FAR and FARA Travel Grant FY09*” in the amount of \$933. This grant, in part, supports SWOSU Athletic Department by providing funding for faculty to travel to an associational and professional conference. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Kelli Litsch**.

The **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*2009 Lone Star Conference Grant*” in the amount of \$2,500. This grant, in part, supports SWOSU Athletic Department by providing funding for faculty to travel to an associational and professional conference. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Kelli Litsch**.

The **U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES** through the Oklahoma Department of Human Services and The University of Oklahoma has awarded a cooperative agreement entitled “*Child Welfare Professional Enhancement Program FY09*” in the amount of \$88,275. The cooperative agreement, in part, supports students who are pursuing child welfare careers through financial support as well as employment opportunities. The primary function of this award is university student training and support. The principal investigator of the cooperative agreement is **Ms. Debbi McFarlin**.

The **U.S. DEPARTMENT OF EDUCATION** has awarded a grant entitled “*Upward Bound – Year 2*” in the amount of \$378,592. The grant, in part, supports an outreach program, as well as, a residential summer program, that is designed to encourage first generation, economically disadvantaged high school students to meet the academic and social challenges of higher education. The primary function of this award is K-12 student training. The principal investigator of the grant is **Ms. Jamie Novey**.

The **U.S. DEPARTMENT OF AGRICULTURE** through the Oklahoma State Department of Education has awarded a cooperative agreement entitled “*Summer Food Service Program for Children – FY09*” in the amount of \$6,100. The cooperative agreement, in part, provides support for participants who are associated with the Upward Bound program. The primary function of this award is K-12 student training. The principal investigator of the cooperative agreement is **Ms. Jamie Novey**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Cedar Canyon Adventure Program FY09*” in the amount of \$1,037,636. The contract, in part, supports a residency program for youth in Office of Juvenile Affairs custody. The residency treatment program utilizes outdoor education experiences to encourage possible behavioral changes for the youth served. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Tenkiller Adventure Program FY09*” in the amount of \$933,872. The contract, in part, supports a residency program for youth in Office of Juvenile Affairs custody. The residency treatment program utilizes outdoor education experiences to encourage possible behavioral changes for the youth served. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Lawton Adventure Program FY09*” in the amount of \$830,109. The contract, in part, supports a residency program for youth in Office of Juvenile Affairs custody. The residency treatment program utilizes outdoor education experiences to encourage possible behavioral changes for the youth served. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Foss Lake Adventure Program FY09*” in the amount of \$933,872. The contract, in part, supports a residency program for youth in Office of Juvenile Affairs custody. The residency treatment program utilizes outdoor education experiences to encourage possible behavioral changes for the youth served. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Enid Adventure Program FY09*” in the amount of \$622,581. The contract, in part, supports a residency program for youth in Office of Juvenile Affairs custody. The residency treatment program utilizes outdoor education experiences to encourage possible behavioral changes for the youth served. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*FY09 Cedar Canyon Skills Center*” in the amount of \$50,000. The contract, in part, supports an on-site Vocational Instruction program for the youth in the Office of Juvenile Affairs custody at the Cedar Canyon Adventure Program site. The primary function of this award is public service. The principal investigator of the contract is **Dr. Ken Rose**.

The **U.S. DEPARTMENT OF JUSTICE** has awarded a grant entitled “*Bullet Proof Vest Program FY08*” in the amount of \$1,829. The grant, in part, supports equipment used in the SWOSU Public Safety Department. The primary function of this award is public service. The principal investigator of the grant is **Patrolman Ron Russ**.

The **U.S. DEPARTMENT OF AGRICULTURE** through the Oklahoma State Department of Education has awarded a grant entitled “*Child Nutrition Program FY09*” in the amount of \$145,416. The grant, in part, supports the nutrition costs for participants of the residential program for youth housed as part of the SWOSU Adventure Programs. The primary function of this award is public service. The principal investigator of the grant is **Ms. Lacy Strickler**.

The **OKLAHOMA ARTS COUNCIL** has awarded a grant entitled “*39<sup>th</sup> Annual SWOSU Jazz Festival*” in the amount of \$5,000. The grant, in part, supports the development of a better appreciation and understanding of jazz among the students, faculty and public that are served by the University. The primary function of this award is university student training and support and K-12 student training. The principal investigator of this grant is **Dr. Keith Talley**.

The **EXXONMOBIL FOUNDATION** has awarded a grant entitled “*Bernard Harris Summer Science Camp 2009*” in the amount of \$80,000. The grant, in part, supports an academic residential camp to encourage students to pursue careers in the engineering, mathematics, science and technology fields. The primary function of this award is K-12 student training. The principal investigator of the grant is **Dr. Wayne Trail**.

The **U. S. DEPARTMENT OF LABOR (Employment and Training Administration)** has awarded a grant entitled “*Western Oklahoma Business Commercialization Center FY09*” in the amount of \$238,755. The grant, in part, supports assistance to any entrepreneur, inventor, manufacturer or technology based service provider in rural Western Oklahoma. The primary function of this award is economic development. The principal investigators of the grant are **Mr. Paul Walenciak and Dr. Marvin Hankins**.

The **OKLAHOMA ORGAN DONOR EDUCATION AND AWARENESS PROGRAM ADVISORY COUNCIL** through the Oklahoma State Department of Health has awarded a grant entitled “*Increasing Awareness of Organ and Tissue Donation Through Education FY09*” in the amount of \$21,180. This grant, in part, supports a program to give students an opportunity to develop and implement an educational program on organ and tissue donation. The primary function of this award is program development. The principal investigator of the grant is **Ms. Tamra Weimer**.

The **OKLAHOMA LIONS SIGHT CONSERVATION FOUNDATION, INC.** has awarded a grant entitled “*Increasing Awareness of Organ and Tissue Donation Through Education FY09*” in the amount of \$550. This grant, in part, supports a program to give students an opportunity to develop and implement an educational program on organ and tissue donation throughout the state. The primary function of this award is program development. The principal investigator of the grant is **Ms. Tamra Weimer**.

The **U.S. DEPARTMENT OF EDUCATION** through the Oklahoma State Regents for Higher Education has awarded a grant entitled “*KESAM SP: K-8 Scholars Appreciating Mathematics Statewide Partnerships 2009*” in the amount of \$171,200. The grant, in part, supports professional development for elementary school teachers to strengthen mathematical thinking and instruction. The primary function of this award is K-12 teacher training. The principal investigator of the grant is **Dr. John Woods**.