

**FY10
EXTRAMURAL AWARDS
GRANTS, CONTRACTS, AND COOPERATIVE
AGREEMENTS
FOR
SWOSU**

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 - FY10,*” in the amount of \$32,500. 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**.

PRECISION DESIGN, INC. has awarded additional funds for the current contract entitled “*Workforce Development in Aeronautics FY09,*” in the amount of \$5,100. 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**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*First Tech Challenge Event - FY10,*” in the amount of \$4,183. The grant, in part, supports SWOSU hosting the First Technology Challenge robotics contest, in which high school students will form a team, build their robot, and enter the event. The primary function of this award is public service. The principal investigator of the grant is **Ms. Madeline Baugher**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded additional grant funding entitled “*Oklahoma Space Grant Consortium--First Tech Challenge Winner Support - FY10,*” in the amount of \$555. The grant, in part, supports the winners of the SWOSU First Technology Challenge robotics contest, in which high school students formed teams, built their robot, entered the event, and earned a spot in the National contest. The primary function of this award is public service. The principal investigator of the grant is **Ms. Madeline Baugher**.

IMATION has awarded a grant entitled “*First Technology Challenge (FTC) Robotics Competition FY10,*” in the amount of \$1,000. The grant, in part, supports a regional *First Technology Challenge* robotics competition to provide western Oklahoma high school students with a “hands on” technical challenge to expose them to the areas of Science, Technology, Engineering and Mathematics (STEM). The primary function of this award is public service. The principal investigator of the grant is **Mr. Brad Bryant**.

The **PENNSYLVANIA STATE UNIVERSITY** through Cyclone Production Tools has awarded a grant entitled “*Stripper Well Consortium FY10,*” in the amount of \$8,408. The grant, in part, supports research and direct performance measurement where applicable on the Cyclone Production Pump. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Brad Bryant**.

The **OKLAHOMA ALLIANCE FOR MANUFACTURING EXCELLENCE, INC. (OCAST)** through Oklahoma State University has awarded a contract entitled “*OSU Applications Engineers in Rural Areas Program FY10*,” in the amount of \$8,900. The contract, in part, supports expenses incurred on behalf of activities conducted by the representative for western Oklahoma rural areas. The primary function of this award is economic development. The principal investigator of the contract is **Ms. Brenda Burgess**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Summer Science and Mathematics Academy Year 1 FY10*,” in the amount of \$41,600. 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 IV Year 1 – FY10*,” in the amount of \$7,141. 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 **CITY OF WEATHERFORD** through Hotel/Motel Tax Advisory Committee has awarded a grant entitled “*Tough Enough to Wear Pink 5K Run FY10*,” in the amount of \$4,000. 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 **SOCIETY OF MANUFACTURING ENGINEERS** has awarded a grant entitled “*OKC Society of Manufacturing Engineer Chapter 125 Support*,” in the amount of \$1,300. This grant, in part, provides support for the winners of SWOSU’s FTC Robotics competition to go to a national competition and for scholarships in the Engineering Technology Department. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Brad Fitzgerald**.

The **U.S. DEPARTMENT OF AGRICULTURE** through the Oklahoma State Department of Education has awarded a grant entitled “*SWOSU Adventure Program - Child Nutrition Program FY10*,” in the amount of \$142,000. 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. Breanne Gustin**.

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 FY10*,” 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 **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 southwestern Oklahoma. 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 FY10*,” in the amount of \$41,496. 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 “*Application for Release Time for the Development of the Cellular Biology Laboratory*,” in the amount of \$13,752. The grant, in part, supports the development of a new laboratory course that will accompany the Cellular Biology lecture course and give students an opportunity to research specific cell biology topics while gaining a better understanding of the molecular bases of cellular physiology. The primary function of this award is program development. The principal investigator of the grant is **Dr. Andrea Holgado**.

The **OKLAHOMA CENTER FOR THE ADVANCEMENT OF SCIENCE AND TECHNOLOGY (OCAST)** has awarded a grant entitled “*Molecular Analysis of Membrane Trafficking and Fusion – FY10*,” in the amount of \$45,000. The grant, in part, supports biomedical research for students at an undergraduate institution. This project will further students knowledge of the regulation of neurosecretion by inhibitory proteins, providing fundamental information for understanding of how these neural mechanisms might become distorted in many neurological disorders. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Andrea Holgado**.

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 IV Year 1 – FY10*,” in the amount of \$5,000. 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. Timothy Hubin**.

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#2 – FY10*,” in the amount of \$40,000. The grant, in part, supports the purchase of an Electrospray Mass Spectrometer for use in biomedical research and for students at SWOSU to use in labs. 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 Equipment Grant FY10*,” in the amount of \$30,000. The grant, in part, supports the purchase of equipment for use in biomedical

research and for students at SWOSU to use in labs. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*2009-10 Lone Star Conference Grant*,” in the amount of \$650. This grant, in part, supports SWOSU Athletic Department by providing funding for student tutorial services. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Kelli Litsch**.

The **CHEYENNE & ARAPAHO TRIBAL COLLEGE** through the Cheyenne & Arapaho Tribal College Board has awarded a cooperative agreement entitled “*Cheyenne & Arapaho Tribal College (CATC) FY10*,” in the amount of \$500,000. The cooperative agreement, in part, supports a two-year tribal college on the campus of Southwestern Oklahoma State University (SWOSU). It will provide quality educational experiences to Native American students. The primary function of this award is public service. The principal investigator of the cooperative agreement is **Dr. Henrietta Mann**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** through The University of Oklahoma has awarded a grant entitled “*Development of Functionalized Carbon Nanotubes for Use in Polymers FY10*,” in the amount of \$20,918. The grant, in part, supports material design research involving the manipulation of synthetics and composite materials to reduce energy costs. The primary function of this award is basic research. The principal investigator of the grant is **Dr. David Martyn**.

The **U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES** through the Oklahoma Department of Human Services and the University of Oklahoma has awarded a contract entitled “*Child Welfare Professional Enhancement Project FY10*,” in the amount of \$100,004. The contract, 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 contract is **Ms. Debbi McFarlin**.

THE UNIVERSITY OF OKLAHOMA has awarded a grant entitled “*Adjunct Teaching: Child Abuse Neglect Enhancement Program FY10*,” in the amount of \$1,600. The grant, in part, supports curriculum specific to child abuse and neglect issues, inclusive of family dynamics, societal impact and policy implications for students pursuing child welfare careers. The primary function of this award is university student training and support. The principal investigator of the contract is **Ms. Debbi McFarlin**.

The **U.S. DEPARTMENT OF EDUCATION** has awarded a grant entitled “*Upward Bound – FY10*,” 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 **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** through The University of Oklahoma has awarded a grant entitled “*Use of microRNA to reduce the effects of herpes virus reactivation during space flight,s*” in the amount of \$18,000. The grant, in part, supports cellular research involving RNA molecules and their involvement with latent viruses. This research could provide insight into the working of latent viruses and possibly pave the way to treat diseases resulting in hypertension and stroke. The primary function of this award is basic research. The principal investigator of the grant is **Dr. Eric Paul**.

The **HIGHER EDUCATION TELECOMMUNICATION ASSOCIATION OF OKLAHOMA (HETA)** has awarded a grant entitled “*ITC Conference in Ft. Worth 2010 (Travel Award)*,” in the amount of \$1,800. 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. Steve Ray**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Cedar Canyon Adventure Program FY10*,” in the amount of \$927,674. 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 FY10*,” in the amount of \$876,013. 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 FY10*,” in the amount of \$826,278. 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 FY10*,” in the amount of \$876,013. 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 Salt Fork Adventure Program FY10*,” in the amount of \$721,086. 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 “*FY10 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 **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Butler Adventure Program Facility FY10*,” in the amount of \$500,000. The contract, in part, supports the renovation and construction costs for a facility to house 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 **OKLAHOMA ARTS COUNCIL** has awarded a grant entitled “*40th Annual SWOSU Jazz Festival,*” in the amount of \$5,850. 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 2010,*” 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 **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 – FY10,*” in the amount of \$26,817. This grant, in part, supports the continuation and expansion of an educational opportunity which gives students an opportunity to develop and implement an educational program on organ and tissue donation. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Tamra Weimer**.

The **TIDES FOUNDATION** has awarded a grant entitled “*Tsistsistas-Hinonoei Walk Among Sacred Beauty FY10,*” in the amount of \$2,500. The grant, in part, supports travel to the spiritual home of the Cheyenne-Arapaho Tribes in South Dakota’s Bear Butte State Park for students and Botany Professor to study the plants and soil in the state park. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Alden Whiteman**.

The **U.S. DEPARTMENT OF EDUCATION** through the Oklahoma State Regents for Higher Education has awarded a grant entitled “*KESAM SP 2010,*” 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**.