

**FY08
EXTRAMURAL AWARDS
GRANTS, CONTRACTS, AND COOPERATIVE
AGREEMENTS
AT
SWOSU**

The **CHEYENNE & ARAPAHO TRIBAL COLLEGE** through the Cheyenne & Arapaho Tribal College Board has awarded a cooperative agreement entitled “*Cheyenne & Arapaho Tribal College 2007*” in the amount of \$408,296. 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 experience to Native American students. The primary function of this award is public service. The principal investigator of the cooperative agreement is **Dr. Radwan Al-Jarrah**.

The **CHEYENNE & ARAPAHO TRIBAL COLLEGE** through the Cheyenne & Arapaho Tribal College Board has awarded a cooperative agreement entitled “*Cheyenne & Arapaho Tribal College 2008*” in the amount of \$380,000. 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 experience to Native American students. The primary function of this award is public service. The principal investigator of the cooperative agreement is **Dr. Radwan Al-Jarrah**.

The **NATIONAL INSTITUTE OF HEALTH** through the University of Oklahoma Health Sciences Center has awarded a grant entitled: “*NIH OK INBRE Summer Student Mentor Program – 2008*” in the amount of \$1,500. 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 **U.S. DEPARTMENT OF AGRICULTURE** through the Oklahoma State Department of Education has awarded a grant entitled “*Child Nutrition Program FY08*” in the amount of \$134,000. 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 **Mr. Jason Baker**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*Oklahoma Space Grant Consortium – NASA Fellowships and Workforce Development FY08*” in the amount of \$12,000. 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**.

The **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)** through The University of Oklahoma has awarded a grant entitled “*Native American Students and Robotics*” in the amount of \$10,000. The grant, in part, will provide scholarships for students for an Introduction to Robotics course. The primary function of this award is university student training and support. The principal investigator of the grant is **Ms. Madeline Baugher**.

HUDSON TECHNOLOGY SOLUTIONS has awarded a cooperative agreement entitled: “*Workforce Development in Computer Systems-2008*” in the amount of \$4,000. The cooperative agreement, in part, supports a mentoring internship program for training for undergraduate students. The primary function of this award is university student training support. The principal investigator of the cooperative agreement is **Ms. Madeline Baugher**.

OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION has awarded a grant entitled: “*Oklahoma State Regents for Higher Education Economic Development Grant – Partnership Recognition Program*” in the amount of \$500. The grant, in part, supports the design and implementation of a wide area wireless network. The primary function of this award is Economic Development. The principal investigator of the grant is **Ms. Madeline Baugher**.

SOLIDWORKS has awarded a grant entitled “*SolidWorks STEM II*” 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 **VETERANS ADMINISTRATION** has awarded a grant entitled “*Pharmaceutical Care in an Ambulatory VAMC Clinic Year I*” in the amount of \$481,499. The grant, in part, supports contemporary pharmacy services while providing educational and research opportunities for pharmacy students in the pharmaceutical care clinic area. The primary function of this award is university student training and support. The principal investigators of the grant are **Dr. David Bergman and Dr. Dennis Thompson**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled: “*Summer Science and Mathematics Academy FY08*” 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 INSTITUTES OF HEALTH** 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 4*” 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 investigators of the grant are **Dr. Brian Campbell**.

The **NATIONAL SCIENCE FOUNDATION** through the University of Central Oklahoma has awarded a grant entitled: “*SURE-STEP Supporting Undergraduate Research and Education – Year 5*” in the amount of \$79,962. The grant, in part, supports a summer bridge program for graduating high school seniors pursuing baccalaureate degrees to experience lecture and lab courses designed to promote STEM material. The primary function of this award is University student training and support. The principal investigators of the grant are **Dr. Brian Campbell and Dr. Curt Woolever**.

The **OKLAHOMA STATE DEPARTMENT OF EDUCATION** through the Geary Public School District has awarded a contract entitled: “*SMART: Science and Mathematics Association of Rural Teachers*” 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 investigators of this contract are **Dr. Brian Campbell and Dr. Robbie McCarty**.

ZEBRA TECHNOLOGIES has awarded an equipment grant entitled “SWOSU/Disney RFID Project Phase 1 – Equipment,” in the amount of \$4,630. This grant, in part, provides necessary equipment to support a RFID (radio frequency identification) project which will provide real time learning experiences for SWOSU students. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Brad Fitzgerald**.

The **WALT DISNEY COMPANY** has awarded a contract entitled “SWOSU/Disney RFID Project Phase 1”, in the amount of \$10,000.00. This contract, 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 **U.S. DEPARTMENT OF JUSTICE** through East Central University has awarded a grant entitled “SWOSU Violence Prevention Project (RUSO-VPP),” in the amount of \$146,460. This grant, in part, provides support to effectively and collaboratively minimize the incidence of violence, dating violence, sexual assault, and stalking on campuses throughout Oklahoma. The primary function of this award is general university support. The principal investigator of the grant is **Dr. Cindy Foust**.

The **OKLAHOMA DEPARTMENT OF TRANSPORTATION (ISTEA Program)** has awarded a grant entitled “*Western Oklahoma Trails Museum and Welcome Center*” in the amount of \$272,800. The grant, in part, supports the establishment of the Western Oklahoma Landmarks Museum and Welcome Center utilizing University owned property in Colony, OK. The primary function of this award is public service. The principal investigators of the grant are **Ms. Brandi Gateley and Mr. Tom Fagan**.

The **KERR FOUNDATION, INC.** has awarded a grant entitled “*Colony, Oklahoma – Cultural and Community Events*” in the amount of \$5,000. The grant, in part, supports a program of four cultural and community events in the town of Colony, Oklahoma, during FY08. The primary function of this award is cultural enrichment. The principal investigator of the grant is **Ms. Brandi Gateley**.

The **U.S. DEPARTMENT OF COMMERCE** through the Economic Development Administration has awarded a grant entitled “*EDA University Center – FY08*” in the amount of \$97,850. The grant, in part, supports the development of an Economic Development Administration University Center at Southwestern 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 **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 FY08*” 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. SMALL BUSINESS ADMINISTRATION** through Southeastern Oklahoma State University has awarded a cooperative agreement entitled: “*Small Business Development Center 2008*” in the amount of \$211,379. 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 **RESEARCH CORPORATION** has awarded a grant entitled “*Antiviral Bridged Macrocyclic Derivatives and Metal Complexes: CXCR4 Co-Receptor Antagonists*” in the amount of \$22,109. 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. Tim Hubin**.

The **NATIONAL INSTITUTE OF HEALTH** through the University of Oklahoma Health Sciences Center has awarded a grant entitled: “*NIH OK INBRE Summer Student Mentor Program – 2008*” in the amount of \$1,500. 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 INSTITUTE 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 Year 3*” in the amount of \$101,939. 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 **OKLAHOMA ARTS COUNCIL** has awarded a grant entitled “*Visiting Artist Program*” in the amount of \$2,000. The grant, in part, supports the development of a visiting artist program to promote a better appreciation and understanding of a community arts program by introducing various styles and genres of arts to the surrounding communities served by the University. The primary function of this award is public service. The principal investigator of the grant is **Ms. E.K. Jeong**.

The **OKLAHOMA ARTS COUNCIL** has awarded a grant entitled “*Tapestry Learning*” in the amount of \$1,500. The grant, in part, supports the development of a visiting artist program to promote a better appreciation and understanding of a community arts program by introducing various styles and genres of arts to the surrounding communities served by the University. The primary function of this award is public service. The principal investigator of the grant is **Ms. E.K. Jeong**.

The **WEATHERFORD ARTS COUNCIL** has awarded a grant entitled “*Visiting Artist Program*” in the amount of \$1,000. The grant, in part, supports a visiting artist program to promote a better appreciation and understanding of a community arts program by introducing various styles and genres of arts to the surrounding communities served by the University. The primary function of this award is public service. The principal investigator of the grant is **Ms. E.K. Jeong**.

The **WEATHERFORD ARTS COUNCIL** has awarded a grant entitled “*Tapestry Learning*” in the amount of \$500. The grant, in part, supports the development of a program to promote an interest in and a better appreciation of community arts by introducing various styles and genres

of arts to the surrounding communities served by the University. The primary function of this award is public service. The principal investigator of the grant is **Ms. E.K. Jeong**.

The **NATIONAL INSTITUTE OF HEALTH** through the University of Oklahoma Health Sciences Center has awarded a grant entitled: “*Mechanisms of Synchronization: Vestigial Paths to Urea Cycle Deficiencies? – INBRE Year 3*” in the amount of \$100,323. 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 **NATIONAL INSTITUTES OF HEALTH** through the University of Oklahoma Health Sciences Center has awarded a grant entitled “INBRE Equipment Grant- Additional Funding FY08” in the amount of \$15,000. This grant, in part, supports the purchase of a modular analytical/preparative high-performance liquid chromatography (HPLC) system. This system will separate and analyze biological macromolecules and metabolites. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **NATIONAL INSTITUTES OF HEALTH** through the University of Oklahoma Health Sciences Center has awarded a grant entitled “INBRE Equipment Grant- End of Year Supplement FY08” in the amount of \$10,000. This grant, in part, supports the purchase of laboratory equipment to enhance research infrastructure for interdisciplinary biomedical research involving undergraduate students. 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 Summer Student Mentor Program – 2008*” in the amount of \$1,500. 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 INSTITUTES OF HEALTH** through The University of Oklahoma Health Sciences Center has awarded a grant entitled “*INBRE Equipment Grant 2008*” in the amount of \$9,409. This grant, in part, supports the purchase of laboratory equipment to enhance research infrastructure for interdisciplinary biomedical research involving undergraduate students. The primary function of this award is basic research. The principal investigator of the grant is **Dr. William Kelly**.

The **ETHICS AND EXCELLENCE IN JOURNALISM FOUNDATION** through the SWOSU Foundation has awarded a grant entitled “*Media Convergence Laboratory*” in the amount of \$60,000. This grant, in part, supports the development of a Media Convergence Laboratory which will provide the necessary technology needed for new coursework offerings, as well as, to better prepare SWOSU journalism students to be successful in the modern age of webcasting, podcasting, internet news and traditional news. The primary function of this award is university student training and support. The principal investigators of the grant are **Dr. Joel Kendall and Dr. Lisa Schroeder**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled “*Synthesis of Isoquinuclidine Analogs of Chloroquine as Potential Antimalarial and antileishmanial Chemotherapeutic Agents (INBRE 2008)*” in the amount of \$19,964. This grant, in part, supports the research for identifying potential new drug treatments for malaria and leishmaniasis and will enhance the professional and scholarly development of faculty at

predominantly undergraduate institutions. The primary function of this award is basic research. The principal investigators of the grant are **Dr. Faruk Khan**.

The **Oklahoma State Regents for Higher Education** has awarded a grant entitled “*Geometric Influences on the Protonation State of Zinc-coordinated Inhibitors in MMPs (INBRE 2008)*” in the amount of \$20,000. This grant, in part, supports the research of matrix metalloproteinases and their influences on the extracellular matrix and 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. Douglas Linder**.

The **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*2008 NCAA Conference Grant*” in the amount of \$2,200. This grant, in part, supports SWOSU Athletic Department by providing funding for student and faculty to travel to associational and professional conferences. 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 contract entitled “*Child Welfare Professional Enhancement Program FY08*” 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 DEPARTMENT OF HUMAN SERVICES through The University of Oklahoma / Oklahoma Child Welfare Professional Enhancement Program (CWPEP) has awarded a contract entitled: “*Social Work Learning Lab/CWPEP Office FY08*” in the amount of \$4,100. The contract, in part, supports a lab for the 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 **U.S. DEPARTMENT OF EDUCATION** has awarded a grant entitled “*Upward Bound – Year 1*” 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 – FY08*” in the amount of \$6,000. 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 **NATIONAL COLLEGIATE ATHLETIC ASSOCIATION** through the Lone Star Conference has awarded a grant entitled “*2007 NCAA Conference Grant*” in the amount of \$1,190. The grant, in part, supports a needy student-athlete assistance program, student tutorial services, and student travel expenses. The primary function of this award is university student training and support. The principal investigator of the grant is **Mr. Cecil Perkins**.

The **OFFICE OF JUVENILE AFFAIRS** has awarded a contract entitled “*SWOSU Cedar Canyon Adventure Program FY08*” 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 Tenkiller Adventure Program FY08*” 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 FY08*” 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 FY08*” 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 Enid Adventure Program FY08*” 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: “*FY08 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 **OKLAHOMA ARTS COUNCIL** has awarded a grant entitled “*38th 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 investigators of this grant are **Dr. Terry Segress and Mr. Keith Talley**.

The **OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION** has awarded a grant entitled: “*Oklahoma Giants – Exploring the Science Technology, Engineering and Mathematics of Wind and Oil Energy in Oklahoma - Year 2*” in the amount of \$32,400. The grant, in part,

supports students to gain hands-on knowledge of the capabilities of various energy fields. The primary function of this award is K-12 student training. The principal investigator of the grant is **Mr. Jeffrey Short**.

The NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) / EPSCoR and The University of Oklahoma have awarded a grant entitled “*Transient Luminous Events Over Western Oklahoma*” in the amount of \$45,000. The grant, in part, supports the establishment of a Transient Luminous Events (TLE) observatory at Southwestern Oklahoma State University. Together with the established TLE observatory at The University of Oklahoma, students will observe and document the TLE that occur over western Oklahoma. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Tony Stein**.

The OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION and The University of Oklahoma have awarded a grant entitled “*Transient Luminous Events Over Western Oklahoma (OSRHE Match)*” in the amount of \$22,500 over a three year period. The grant, in part, provides match funding for the establishment of a Transient Luminous Events (TLE) observatory at Southwestern Oklahoma State University. Together with the established TLE observatory at The University of Oklahoma, students will observe and document the TLE that occur over western Oklahoma. The primary function of this award is university student training and support. The principal investigator of the grant is **Dr. Tony Stein**.

The **EXXON MOBIL FOUNDATION** has awarded a grant entitled: “*Bernard Harris Summer Science Camp 2008*” 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 – FY08*” in the amount of \$7,004. 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**.

SOLIDWORKS has awarded a grant entitled “*SolidWorks STEM*” 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 **Mr. Frank White**.

The **U.S. DEPARTMENT OF EDUCATION** through the Oklahoma State Regents for Higher Education has awarded a grant entitled: “*KESAM 2008: K-8 Scholars Appreciating Mathematics. A Hands-On Brains-On Journey of Excellence*” in the amount of \$138,880. 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**.