The 2nd Annual
PROMOTING
UNDERGRADUATE
RESEARCH
Conference for Faculty, Staff, and Administrators

“MODELS OF INQUIRY AT EVERY LEVEL”

April 8, 2011

Sponsored by
Oklahoma State Regents
for Higher Education

Located at
Presbyterian Health Foundation
655 Research Parkway, Oklahoma City, OK

Organized by
Undergraduate Research Conference Committee
SPECIAL THANKS TO CHANCELLOR GLEN JOHNSON FOR SUPPORT AND ENCOURAGEMENT OF UNDERGRADUATE RESEARCH IN OKLAHOMA.

DR. GLEN D. JOHNSON IS THE CHIEF EXECUTIVE OFFICER FOR THE OKLAHOMA STATE SYSTEM OF HIGHER EDUCATION. JOHNSON LEADS A STATE SYSTEM COMPRISED OF 25 STATE COLLEGES AND UNIVERSITIES, TEN CONSTITUENT AGENCIES, ONE HIGHER EDUCATION CENTER AND INDEPENDENT COLLEGES AND UNIVERSITIES COORDINATED WITH THE STATE SYSTEM. HE REPORTS TO A CONSTITUTIONAL BOARD WHOSE NINE MEMBERS ARE APPOINTED BY THE GOVERNOR AND CONFIRMED BY THE SENATE.

JOHNSON BECAME 8TH CHANCELLOR OF THE OKLAHOMA STATE SYSTEM IN JANUARY 2007 AFTER A NATIONAL SEARCH. BEFORE ASSUMING THE ROLE OF CHANCELLOR, JOHNSON SERVED AS THE 16TH PRESIDENT OF SOUTHEASTERN OKLAHOMA STATE UNIVERSITY IN DURANT FOR TEN YEARS. JOHNSON SERVED AS DIRECTOR OF PUBLIC POLICY AND PROFESSOR OF LAW AT THE OU COLLEGE OF LAW.


JOHNSON IS AN HONORS GRADUATE OF THE UNIVERSITY OF OKLAHOMA, WITH AN UNDER-GRADUATE DEGREE IN POLITICAL SCIENCE AND A JURIST DOCTOR DEGREE FROM THE UNIVERSITY OF OKLAHOMA’S COLLEGE OF LAW.

HE WAS A MEMBER OF PHI BETA KAPPA AT OU AND RECEIVED THE LETZEISER AWARD AS ONE OF OU’S OUTSTANDING SENIORS. JOHNSON WAS BORN IN OKLAHOMA CITY AND ATTENDED GRADE SCHOOL IN WASHINGTON, D.C. HE GRADUATED FROM MUSKOGEE HIGH SCHOOL IN 1972.

2011 PROMOTING UNDERGRADUATE RESEARCH CONFERENCE FOR FACULTY, STAFF, AND ADMINISTRATORS

SCHEDULE
8:30 REGISTRATION AND CONTINENTAL BREAKFAST

LOCATION
– REGENTS
(RCR- 2ND FLOOR)
9:00 WELCOME – LINDA MASON
- RCR

STATE UNDERGRADUATE RESEARCH WEEK ANNOUNCEMENT - DR. LORI GWYN, SWOSU

NO QUESTION TOO SMALL! – EXAMPLES OF SMALL INSTITUTIONS’ PROGRAMS – LINDA MASON, MODERATOR (REDLANDS: PENNY COGGINS; TU: AL SOLTOW)

9:50-10:00 BREAK

POSTER--THE CREDIT CARD PLAGUE ON THE AMERICAN CAMPUS
MARTY LUDLUM IS AN ASSISTANT PROFESSOR OF LEGAL STUDIES AT THE UNIVERSITY OF CENTRAL OKLAHOMA. PRIOR TO SERVING AT UCO, PROFESSOR LUDLUM TAUGHT AT OKLAHOMA CITY COMMUNITY COLLEGE (2000-2008). HIS RESEARCH INTERESTS ARE INTERNATIONAL BUSINESS, ETHICS, AND REGULATED INDUSTRIES. IN ADDITION TO TEACHING, PROFESSOR LUDLUM ENJOYS INTERNATIONAL TRAVEL AND IS AN AWARD WINNING MAGICIAN.

10-10:50 STUDENT RESEARCHERS PANEL – RESULTS OF PARTICIPATING IN RESEARCH
- GREG WILSON, MODERATOR
- RCR

11-11:50 CONCURRENT SESSIONS

KANYAND MATAND, LANGSTON UNIVERSITY
– RCR
A LANGSTON UNIVERSITY MODEL FOR MORE EFFECTIVE UNDERGRADUATE RESEARCH EXPERIENCE, ESPECIALLY FOR STUDENTS OF UNDERREPRESENTED COMMUNITY

JEANETTA SIMS, UNIVERSITY OF CENTRAL OKLAHOMA
NORTH (2ND FLOOR)
EACH ONE REACH ONE: SMALL, BUT DELIBERATE STEPS FOR FACULTY TO RECRUIT, ENGAGE, AND CO-AUTHOR WITH UNDERGRADUATE STUDENTS

ANDREA HOLGADO, SOUTHWESTERN OKLAHOMA STATE UNIVERSITY
- LIBRARY (2ND FLOOR)
SWOSU UNDERGRADUATE RESEARCH TEAM

LAURA GRUNTMEIER, REDLANDS COMMUNITY COLLEGE - 3
SOUTH (3RD FLOOR)
INFUSING UNDERGRADUATE RESEARCH INTO INTRODUCTORY COURSES

ROBERT SHEAF, UNIVERSITY OF TULSA - 1
ONENET (1ST FLOOR)
REVERSING THE PARADIGM: AN INSTRUCTOR-ORIENTED APPROACH TO LABORATORY CLASSES

12:00 LUNCHEON – KEYNOTE ADDRESS - SIX SIGMA, FOOD PAVILION
JOY PENDLEY, ZERMARIE DEACON, BRENTH SYKES, RANDI SUNRAY – UNIVERSITY OF OKLAHOMA
BUILDING RESEARCH CAPACITY IN THE HELPING FIELDS FOR NATIVE AMERICAN STUDENTS

1:00-1:50 P.M. CONCURRENT SESSIONS

TIM O’NEIL AND ROBERT GRAALMAN, OKLAHOMA STATE UNIVERSITY – RCR
ANECDOTES OF UNCERTAINTY: INQUIRY AND THE ARTICULATION OF SELF

MELVILLE VAUGHN, UNIVERSITY OF CENTRAL OKLAHOMA - 2
LIBRARY (2ND FLOOR)
THE PYRAMID OF UNDERGRADUATE RESEARCH

JOSELINA CHENG, UNIVERSITY OF CENTRAL OKLAHOMA
NORTH (2ND FLOOR)
AN INNOVATIVE MODEL FOR PROMOTING UNDERGRADUATE RESEARCH

AMY JOHNSON, UNIVERSITY OF CENTRAL OKLAHOMA - 3
SOUTH (3RD FLOOR)
INKTANK: GRAPHIC DESIGN AND THE COMMUNITY

1:50-2:00 BREAK – RCR

2:00-2:30 TIPS ON PUBLISHING UNDERGRADUATE RESEARCH PROGRAMS – LINDA MASON
LINDA MASON, ED.D. IS COORDINATOR OF GRANTS AND EXTERNAL FUNDING ASSISTANCE FOR THE OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION (OSRHE). DR. MASON PROVIDES GRANT DEVELOPMENT ASSISTANCE TO ALL OKLAHOMA HIGHER EDUCATION INSTITUTIONS.

SHE HOLDS AN ED.D. IN CURRICULUM AND INSTRUCTION, 1974, AN M.S. IN EDUCATION, 1972, FROM OKLAHOMA STATE UNIVERSITY, AND A B.A. IN EDUCATION, 1968, FROM THE UNIVERSITY OF ARKANSAS AT LITTLE ROCK. HER PROFESSIONAL BACKGROUND INCLUDES ELEMENTARY TEACHER, UNIVERSITY PROFESSOR, DEPARTMENT HEAD, AND DEAN.

HER PROFESSIONAL EXPERIENCE INCLUDES FACULTY POSITIONS AT OKLAHOMA STATE UNIVERSITY, ORAL ROBERTS UNIVERSITY, UNIVERSITY OF TULSA, UNIVERSITY OF OKLAHOMA, UNIVERSITY OF CENTRAL OKLAHOMA, AND ST. GREGORY’S UNIVERSITY, WITH ADJUNCT RESPONSIBILITIES AT OTHERS.


NO QUESTION TOO SMALL!
LINDA MASON, MODERATOR (REDLANDS: PENNY COGGINS; TU: AL SOLTOW)
PENNY COGGINS, PH.D. IS THE VICE PRESIDENT FOR GRANTS DEVELOPMENT AND APPLIED RESEARCH AT REDLANDS COMMUNITY COLLEGE (RCC). DR. COGGINS HAS BEEN INVOLVED IN WRITING, EVALUATING AND MANAGING TITLE III, TRIO AND TITLE V GRANTS FOR MORE THAN 25 YEARS. SHE WORKED FOR 10 YEARS AT ROGERS STATE COLLEGE AS DIRECTOR OF THE UNIVERSITY PREPARATORY ACADEMY AND DEVELOPMENTAL STUDIES. IN 1999, PENNY LEFT ROGERS STATE TO SPEND FOUR YEARS AS A CONSULTANT TO COLLEGES AND UNIVERSITIES THROUGHOUT THE UNITED STATES, PROVIDING ASSISTANCE WITH PROGRAM DEVELOPMENT, PROGRAM EVALUATION, GRANT DEVELOPMENT AND GRANT WRITING. SHE SERVED FOR THREE YEARS AS DIRECTOR OF THE TITLE V HISPANIC SERVING INSTITUTIONS GRANT AT RIO GRANDE COLLEGE IN DEL RIO, TX.

SHE IS ACTIVELY INVOLVED IN SUPPORTING UNDERGRADUATE RESEARCH AT COMMUNITY COLLEGES. IN THE PAST THREE YEARS, DR. COGGINS HAS LED EFFORTS AT REDLANDS RESULTING IN MORE THAN $6,000,000 IN GRANT FUNDING, AND HAS BEEN INSTRUMENTAL IN FACILITATING PLANS FOR UNDERGRADUATE RESEARCH AT COMMUNITY COLLEGES IN OKLAHOMA.


WORLD/CHANNEL 6 OKLAHOMA POLL. HE HAS SERVED ON A NATIONAL REVIEW PANEL FOR THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS), AS WELL AS ON NUMEROUS STATE AND LOCAL COUNCILS AND BOARDS. DR. SOLTOW CURRENTLY SERVES ON THE TULSA METROPOLITAN CHAMBER OF COMMERCE ENERGY ADVOCACY TASK FORCE.

ALEX MACHARIA is a UCO senior mechanical systems engineering major from Nyeri, Kenya and now a resident of Edmond, Oklahoma. He has been working on flow investigations in models of renal artery aneurysms under faculty mentor Dr. Evan Lemley, with the objective being to identify the correlations between pressure fluctuations and hypertension.

From his research he has gained expertise in fundamental engineering theories by applying them in day to day work, while realizing the added benefit of solving important problems. He is the recipient of an OK-LSAMP award funded from the National Science Foundation.

JESSICA JONES is currently a senior at the University of Central Oklahoma. She developed an interest in history when she visited the United Kingdom after high school. This trip inspired her to learn about more about European history. As an undergraduate she had the opportunity to work with Dr. Jessica Sheetz-Nguyen in the summer of 2010. Her research project required her to travel to London and visit the London Metropolitan Archives.

The primary focus was to gather archival documents over the Bow Road Workhouse.

In November, she presented a poster for Oklahoma Research Day at Cameron University. This opportunity allowed her to gain
CREDENTIALS WITHIN HER ACADEMIC COMMUNITY. SHE CONSIDERS DR. SHEETZ-NGUYEN A MENTOR. JESSICA IS THE TREASURER OF PHI ALPHA THETA HONOR SOCIETY RHO LAMBD A CHAPTER. UPON GRADUATION SHE PLANS TO PURSUE HER MASTER’S DEGREE AT THE UNIVERSITY OF CENTRAL OKLAHOMA. SHE IS PARTICULARLY INTERESTED IN RESEARCHING WORLD HISTORY AND THE REFORMATION FOR HER GRADUATE STUDIES.

TERI LAKE-COBLIO RECENTLY GRADUATED FROM THE UNIVERSITY OF CENTRAL OKLAHOMA WITH HER MASTER OF SCIENCE DEGREE IN WELLNESS MANAGEMENT-EXERCISE SCIENCE. SHE IS CURRENTLY TEACHING HEALTHY LIFE SKILLS AND INTRODUCTION TO KINESIOLOGY AS AN ADJUNCT INSTRUCTOR FOR THE DEPARTMENT OF KINESIOLOGY AND HEALTH STUDIES. THROUGHOUT HER TENURE AT UCO, LAKE-COBLIO WORKED UNDER DR. MELISSA POWERS AS A RESEARCH ASSISTANT STUDYING THE EFFECTS OF STRENGTH TRAINING ON BODY COMPOSITION, MENTAL HEALTH, AND COGNITION AMONG OLDER ADULTS. THIS WORK GUIDED HER PASSION IN HELPING OTHERS ACHIEVE BETTER HEALTH FOR AN IMPROVED QUALITY OF LIFE. LAKE-COBLIO HOPES TO CONTINUE SIMILAR RESEARCH IN EXERCISE BEHAVIOR MODIFICATION WHILE PURSUING A DOCTORAL DEGREE IN THE NEAR FUTURE.

KATE STEARMAN IS A SENIOR AT THE UNIVERSITY OF CENTRAL OKLAHOMA, GRADUATING WITH A DEGREE IN GRAPHIC DESIGN. SHE WILL FURTHER HER EDUCATION AT THE UNIVERSITY OF OTAGO DOWN IN DUNEDIN, NEW ZEALAND THIS FOLLOWING FEBRUARY AND CANNOT WAIT TO SEE WHERE THE WIND TAKES HER.

SHE IS CURRENTLY A RECIPIENT OF AN RESEARCH, CREATIVE, AND SCHOLARLY ACTIVITIES GRANT FUNDED BY UCO’S OFFICE OF RESEARCH AND GRANTS WORKING ON A PROJECT TITLED, “SYMBOLISM IN COLORS: WHY BEING CULTURALLY AWARE OF COLOR PALETTES INSPIRED BY NATURAL SURROUNDINGS ARE SIGNIFICANT TO THE WORLD OF DESIGN.”

JIMMY LE IS A STUDENT IN THE ADMINISTRATION AT CENTRAL OKLAHOMA AND A MINOR IN PROFESSIONAL TIME SPENT WORKING BUSINESS OWNER, SENIOR, UNDERGRADUATE COLLEGE OF BUSINESS THE UNIVERSITY OF WITH A MAJOR IN FINANCE MARKETING AND RISK. HIS EXPERIENCE INCLUDES AS A PROJECT MANAGER, AND STORE MANAGER.

11:00 A.M. CONCURRENT SESSIONS

KANYAND MATAND, LANGSTON UNIVERSITY
- RCR

A LANGSTON UNIVERSITY MODEL FOR MORE EFFECTIVE UNDERGRADUATE RESEARCH EXPERIENCE, ESPECIALLY FOR STUDENTS OF UNDERREPRESENTED COMMUNITY

KANYAND MATAND CURRENTLY SERVES AS ASSOCIATE PROFESSOR, FOUNDING DIRECTOR AND FACULTY, CENTER FOR BIOTECHNOLOGY RESEARCH AND EDUCATION, DEPARTMENTS OF RESEARCH AND EXTENSION AND BIOLOGY, SCHOOLS OF AGRICULTURE AND APPLIED SCIENCE AND ARTS AND SCIENCES FOR LANGSTON UNIVERSITY, IN LANGSTON, OK. HE JOINED LANGSTON UNIVERSITY IN 1999 AS A VISITING PROFESSOR AND LOVED IT SO MUCH HE STAYED. HE IMMEDIATELY BEGAN TO CONDUCT RESEARCH AND BRING UNDERGRADUATE STUDENTS INTO HIS LABORATORY.

HE HAS CONDUCTED AT LEAST 8 EXEMPLARY RESEARCH PROJECTS WITH UNDERGRADUATE STUDENTS. HE HAS RECEIVED OVER $6 MILLION IN FUNDING FOR HIS RESEARCH AND LANGSTON UNIVERSITY PROGRAMS. MATAND DEVELOPED THE LU BIOTECH PROGRAM AS A LANGSTON UNIVERSITY PROGRAM OF EXCELLENCE. HE EarnED AN MS IN PLANT SCIENCE FROM
TUSKEGEE UNIVERSITY IN ALABAMA IN 1992 AND HIS PH.D. IN PLANT SCIENCE FROM ALABAMA A&M UNIVERSITY, NORMAL, ALABAMA IN 1999. HE HAS CONTRIBUTED THREE BOOK CHAPTERS AND NINE PEER REVIEWED JOURNALS OF HIS SCIENTIFIC RESEARCH.

JEANETTA SIMS, UNIVERSITY OF CENTRAL OKLAHOMA

NORTH (2ND FLOOR)

EACH ONE REACH ONE: SMALL, BUT DELIBERATE STEPS FOR FACULTY TO RECRUIT, ENGAGE, AND CO-AUTHOR WITH UNDERGRADUATE STUDENTS

JEANETTA SIMS, PH.D., APR IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF MARKETING AT THE UNIVERSITY OF CENTRAL OKLAHOMA WHERE SHE PARTNERS WITH STUDENTS AND ORGANIZATIONS TO ENHANCE THEIR MARKETING AND COMMUNICATION EFFORTS. SHE HAS TAUGHT NUMEROUS UNDERGRADUATE AND GRADUATE CLASSES RELATED TO THIS ENDEAVOR IN THE AREAS OF MARKETING, BUSINESS COMMUNICATION, PUBLIC RELATIONS, AND LEADERSHIP. SHE IS ACCREDITED IN PUBLIC RELATIONS AND HER PROGRAM OF RESEARCH INCLUDES STRATEGIC COMMUNICATION IN ORGANIZATIONS, SOCIAL INFLUENCE AND PERSUASION, AND ORGANIZATIONAL DIVERSITY.

IN FOUR YEARS AT UCO, SHE HAS SERVED AS A FACULTY MENTOR FOR THREE STUDENT RESEARCH, CREATIVE, AND SCHOLARLY ACTIVITIES GRANTS, SECURED 4 FUNDED RESEARCH ASSISTANTS, AND WORKED WITH MORE THAN 10 UNDERGRADUATE STUDENTS RESULTING IN NUMEROUS UNDERGRADUATE STUDENT CO-AUTHORED POSTER AND CONFERENCE PRESENTATIONS. SHE HAS BEEN AWARDED THE NEELY EXCELLENCE IN TEACHING AWARD, THE DISTINGUISHED ARTICLE AWARD, AND SEVERAL TOP PAPER AWARDS (ONE OF WHICH WAS WITH A UCO UNDERGRADUATE STUDENT) FROM REGIONAL AND NATIONAL ORGANIZATIONS. HER RESEARCH HAS BEEN PUBLISHED IN COMMUNICATION MONOGRAPHS, COMMUNICATION RESEARCH, CORPORATE REPUTATION REVIEW, MASS MEDIA & SOCIETY, AND MOST RECENTLY IN THE 2011 BOOK ENTITLED, “STILL SEARCHING FOR OUR MOTHERS’ GARDENS: EXPERIENCES OF NEW, TENURE-TRACK WOMEN OF COLOR AT „MAJORITY INSTITUTIONS“.

ANDREA HOLGADO, SOUTH WESTERN OKLAHOMA STATE UNIVERSITY

LIBRARY (2ND FLOOR)

SWOSU UNDERGRADUATE RESEARCH TEAM

ANDREA HOLGADO, PH.D., IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF BIOLOGICAL SCIENCES AT SOUTH WESTERN OKLAHOMA STATE UNIVERSITY.
DR. HOLGADO HOLDS BS AND MS DEGREES IN BIOLOGY SECONDARY EDUCATION AND BIOLOGY FROM THE NATIONAL UNIVERSITY OF CORDOBA, ARGENTINA. SHE EARNED HER PH.D. IN BIOLOGY-BIOPHYSICS FROM THERE AS WELL IN 1997. SHE CONTINUED HER POSTDOCTORAL WORK IN NEUROSCIENCE AT NORTHWESTERN UNIVERSITY IN CHICAGO AND THE UNIVERSITY OF ILLINOIS AT CHICAGO. DR. HOLGADO HAS TAUGHT AT BOTH THE SECONDARY SCHOOL AND UNIVERSITY LEVEL. SHE JOINED THE SWOSU FACULTY IN 2008. SINCE THAT TIME SHE HAS BEEN VERY ACTIVE IN PROMOTING UNDERGRADUATE RESEARCH IN THE BIOLOGICAL SCIENCES. TO DATE, SHE HAS HELPED SECURE CLOSE TO $1 MILLION IN EXTRAMURAL FUNDING.

DR. HOLGADO’S RESEARCH INTEREST IS IN THE FIELD OF NEUROSCIENCE; SPECIFICALLY, REGULATED SYNAPTIC VESICLE EXOCYTOSIS. IN THE NERVOUS SYSTEM, EXOCYTOSIS MEDIATES THE RELEASE OF CHEMICALS OR NEUROTRANSMITTERS, WHICH IN TURN ACTIVATE RESPONSES THAT ENABLE NEURONAL COMMUNICATION. WITH THE HELP OF HER STUDENT RESEARCH ASSISTANTS, DR. HOLGADO IS CURRENTLY INVESTIGATING A NEWLY IDENTIFIED PROTEIN IN YEAST THAT PARTIALLY INHIBITS SECRETORY VESICLE EXOCYTOSIS. THIS RESEARCH MAY HELP TO IDENTIFY NEW DRUG TARGETS AND SIGNIFICANTLY CONTRIBUTE TO THE UNDERSTANDING OF CONDITIONS SUCH AS SCHIZOPHRENIA, EPILEPSY, AND ALZHEIMER’S DISEASE THAT INVOLVE DISRUPTIONS IN SYNAPTIC TRANSMISSION AND NEURONAL SURVIVAL.

LAURA GRUNTMEIER, REDLANDS COMMUNITY COLLEGE 3 SOUTH (3RD FLOOR) INFUSING UNDERGRADUATE RESEARCH INTO INTRODUCTORY COURSES

DR. LAURA GRUNTMEIER OBTAINED HER ED.D. FROM OKLAHOMA STATE UNIVERSITY IN HIGHER EDUCATION ADMINISTRATION WITH AN EMPHASIS IN FAMILY RELATIONS AND CHILD DEVELOPMENT, AND HAS A GRADUATE CERTIFICATE FROM OKLAHOMA STATE UNIVERSITY IN GERONTOLOGY. SHE GRADUATED FROM THE UNIVERSITY OF OKLAHOMA WITH A M.S. IN HUMAN RELATIONS, AND FROM KANSAS STATE UNIVERSITY WITH A B.S. IN FAMILY AND CONSUMER SCIENCES AND A SECONDARY MAJOR IN GERONTOLOGY.

DR. GRUNTMEIR CURRENTLY SERVES AS A PROFESSOR AND AS THE DIVISION DIRECTOR OF PACES (PSYCHOLOGY, SOCIOLOGY, CHILD DEVELOPMENT, EQUINE AND AGRICULTURE) AT REDLANDS COMMUNITY COLLEGE. SHE A CERTIFIED FAMILY LIFE EDUCATOR WITH THE NATIONAL COUNCIL ON FAMILY RELATIONS, AND IS A MEMBER OF ROTARY INTERNATIONAL.
ROBERT SHEAF, UNIVERSITY OF TULSA

ONENET (1ST FLOOR)

REVERSING THE PARADIGM: AN INSTRUCTOR-ORIENTED APPROACH TO LABORATORY CLASSES

DR. SHEAFF IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY AT THE UNIVERSITY OF TULSA. HE GRADUATED FROM THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL WITH A B.A. IN PHILOSOPHY AND BIOLOGY, RECEIVED HIS PH.D. IN CHEMISTRY FROM THE UNIVERSITY OF COLORADO AT BOULDER, AND DID POSTDOCTORAL WORK AT THE FRED HUTCHINSON CANCER RESEARCH CENTER IN SEATTLE.

HE CURRENTLY RUNS A RESEARCH GROUP (COMPOSED MAINLY OF UNDERGRADUATES) INVESTIGATING BIOCHEMICAL MECHANISMS UNDERLYING HUMAN DISEASES LIKE CANCER AND NEURODEGENERATION. HE TEACHES UNDERGRADUATE AND GRADUATE LEVEL BIOCHEMISTRY, IS RESPONSIBLE FOR AND TEACHES THE BIOCHEMISTRY LABS AT TU, AND OVERSEES THE BIOCHEMISTRY GRADUATE PROGRAM.

12:00 LUNCHEON KEYNOTE ADDRESS

SIX SIGMA, FOOD PAVILION

JOY PENDLEY, ZERMARIE DEACON, BRENT SYKES, RANDI SUNRAY

UNIVERSITY OF OKLAHOMA

BUILDING RESEARCH CAPACITY IN THE HELPING FIELDS FOR NATIVE AMERICAN STUDENTS

JOY PENDLEY IS A RESEARCH SCIENTIST AT THE CENTER FOR APPLIED SOCIAL RESEARCH AT THE UNIVERSITY OF OKLAHOMA AND A COORDINATOR FOR THE UNDERGRADUATE RESEARCH PROGRAM UNDER THE OFFICE OF VICE PRESIDENT OF RESEARCH. HER DOCTORATE IS IN CULTURAL ANTHROPOLOGY. JOY’S RESEARCH FOCUS IS ON COMMUNITY DEVELOPMENT WITH A SPECIAL INTEREST IN SUSTAINABILITY IN BOTH CULTURAL AND ECONOMIC TERMS THROUGH COMMUNITY COLLABORATIVE PROJECTS. SHE IS CURRENTLY WORKING WITHIN OKLAHOMA TO FORM COMMUNITY BASED PARTICIPATORY ACTION PROJECTS WITH TRIBES TO BUILD HEALTH CARE CAPACITY THROUGH RESEARCH AND TRAINING. THIS WORK INCLUDES WORKING WITH UNDERGRADUATE STUDENTS TO DEVELOP RESEARCH INTERESTS AND CAREER OPTIONS.

ZERMARIE DEACON IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF HUMAN RELATIONS, AN ADJUNCT PROFESSOR IN THE WOMEN’S AND GENDER STUDIES PROGRAM, AND
AN AFFILIATE FACULTY MEMBER WITH THE SCHOOL OF INTERNATIONAL AND AREA STUDIES. SHE RECEIVED HER PH.D. IN ECOLOGICAL-COMMUNITY PSYCHOLOGY IN 2007 FROM MICHIGAN STATE UNIVERSITY. HER OVERARCHING RESEARCH INTERESTS RELATE TO THE DEVELOPMENT OF AN UNDERSTANDING OF CROSS-CULTURAL INTERPRETATIONS OF HEALTH AND THE ENCOURAGEMENT OF HEALTH AND WELLBEING IN DIVERSE COMMUNITIES. SHE IS ADDITIONALLY INTERESTED IN BETTER UNDERSTANDING FACTORS THAT SUPPORT THE ATTAINMENT OF HEALTH AND WELLBEING WITHIN MARGINALIZED COMMUNITIES, BOTH IN THE UNITED STATES AND ABROAD.

**BRENT SYKES** (LEFT) IS A DOCTORAL STUDENT IN EDUCATION AT THE UNIVERSITY OF OKLAHOMA, A MEMBER OF THE CHICKASAW NATION AND ALSO SERVES AS THE PROGRAM DEVELOPER AND COORDINATOR OF THE CHICKASAW NATION LEARNING COMMUNITY. HIS ROLES INCLUDE: DEVELOPING PROGRAM CURRICULUM, STUDENT DEVELOPMENT, AND FOSTERING AN ATMOSPHERE CONDUCIVE TO CREATING CULTURAL IDENTITY. HIS RESEARCH INTERESTS ARE DEVELOPING AND IMPLEMENTING NOVEL EDUCATION ENVIRONMENTS IN HIGHER EDUCATION AND TRANSFORMATIONAL LEARNING THEORY.

**RANDI L. SUNRAY** SERVES AS THE ASSOCIATE DIRECTOR OF CHOKKA' KILIMPI'. HER CAREER HAS BEEN BASED ON PROMOTING HEALTH AND WELLNESS AMONGST INDIAN PEOPLE AND THIS CONTINUES TO BE WHAT MOTIVATES HER AS A HEALTH PROFESSIONAL. SHE HAS A BACHELOR'S DEGREE IN HEALTH AND SPORT SCIENCES AND A MASTER'S DEGREE IN PUBLIC HEALTH BOTH FROM THE UNIVERSITY OF OKLAHOMA.

SHE WAS HONORABLY DISCHARGED WITH A RANK OF SERGEANT AFTER SERVING EIGHT YEARS IN THE ARMY RESERVE, WHICH INCLUDED ACTIVE DUTY DURING OPERATION ENDURING FREEDOM. SHE PLAYED FOR THE OKLAHOMA CITY WILDCATS, WOMEN'S PROFESSIONAL FOOTBALL IN 2001-2002 AS A WIDE RECEIVER AND BACKUP QUARTERBACK. HER CULTURAL INVOLVEMENT INCLUDES GOURD DANCING, SERVING AS HEAD STAFF AT VARIOUS POWWOWS, AND ATTENDING OTHER CULTURAL EVENTS. SHE AND HER HUSBAND CEDRIC HAVE THREE CHILDREN PLUS ONE ON THE WAY; THEIR DAUGHTER NIIGAN (LEADER) AND THEIR SONS, TDOHASAN (LITTLE MOUNTAIN) AND KOWI (PANTHER).

1:00 P.M. CONCURRENT SESSIONS
TIM O’NEIL AND ROBERT GRAALMAN, OKLAHOMA STATE UNIVERSITY
– RCR
ANECDOTES OF UNCERTAINTY: INQUIRY AND THE ARTICULATION OF SELF

TIM O’NEIL is a graduate student in English literature at Oklahoma State University, where he serves as the director of the freshman research scholars program in the office of scholar development and recognition—a position he has held since 2007. Tim is also the editor of the OSU Journal of Undergraduate Research, which will issue its inaugural volume this year. In 2007 Tim graduated from OSU with honors degrees in English, history and political science and was named Oklahoma’s first recipient of the Jacob K. Javits fellowship. He is currently preparing a critical edition of Cotton Mather’s Letters to the Royal Society—collectively known as the CuriosA Americana.

BOB GRAALMAN has worked at OSU since 1981, following receiving his BA and MA at OSU in 1970 and 1972. He received his PhD. in English literature from the University of Tulsa in 1978, focusing on the work of British poets who fought in World War 1, particularly Robert Graves, and his first teaching assignment was at Illinois State in 1978. After several years in the OSU A&S Dean’s office, in 1988 Bob was selected to be OSU’s first merit-based scholarships director, a position he held until the office of scholar development and recognition was established later. The scholar development office is responsible for identifying and assisting students who want to increase their chances of winning major national and international scholarships, plus become better prospects for graduate schools and employment. Therefore, some curricular opportunities, research programs, and overseas travel (Cambridge and Oxford) are key elements of Bob’s activities. Bob was instrumental in founding the national association of fellowships advisors, served two terms as president, and he writes and travels often to promote that organization’s ideals and describe OSU’s programs, which are imitated widely now around the country. Bob teaches an “honors introduction to literature” class.
EVERY FALL AND “WINDOWS TO THE WORLD” IN THE SPRING, A
DEBATE/WRITING SKILLS SEMINAR BASED ON CURRENT EVENTS.

MELVILLE VAUGHN, UNIVERSITY OF CENTRAL
OKLAHOMA - LIBRARY (2ND FLOOR)
THE PYRAMID OF UNDERGRADUATE RESEARCH
MELVILLE VAUGHN RECEIVED A BS IN
BOTANY AT UNIVERSITY OF OKLAHOMA (1987), AND A
PH.D. IN ANATOMICAL SCIENCES STUDYING WOUND
HEALING WITH JIM TOMASEK AT OUHSC (1998). HE
WAS A POSTDOCTORAL RESEARCHER IN THE
SHAY/WRIGHT LAB AT UNIVERSITY OF TEXAS
SOUTHWESTERN MEDICAL CENTER. WHAT JERRY
SHAY TAUGHT HIM THAT HAS BEEN MOST HELPFUL
WAS “STUDY EVERYTHING YOU POSSIBLY CAN, AND
DELEGATE RESPONSIBILITY”.

HE HAS BEEN AT UCO FOR SIX YEARS,
BUILDING UP HIS UNDERGRADUATE RESEARCH TEAM
USING THE DESCRIBED MODEL TO STUDY THE ROLE OF MYOFIBROBLASTS IN
WOUND HEALING, AGING, AND CARCINOMA OF THE SKIN. HE CONTINUES TO
COLLABORATE WITH TOMASEK, SHAY AND WRIGHT, AND OTHER FACULTY AT
UCO AND OUHSC. SUPPORT BY UCO, INBRE, AND OSRHE HAVE BEEN CRITICAL
TO HIS RESEARCH AND EDUCATIONAL SUCCESS.

JOSELINA CHENG, UCO
2 NORTH (2ND
FLOOR)
AN INNOVATIVE MODEL FOR PROMOTING
UNDERGRADUATE RESEARCH DR. JOSELINA
CHENG IS ASSISTANT PROFESSOR OF INFORMATION
SYSTEMS OPERATIONS MANAGEMENT (ISOM) AT THE
UNIVERSITY OF CENTRAL OKLAHOMA. HER
RESEARCH INTERESTS ARE IN CYBER TECHNOLOGY,
ELECTRONIC TEACHING AND LEARNING, AND
ELECTRONIC TUTORING MODELS.

SHE IS THE RECIPIENT OF THE BARNABAS
FELLOWSHIP AWARD FOR DEVELOPING AN
INNOVATIVE WEB-BASED TUTORING SYSTEM FOR
STUDENTS WITH FINANCE, ACCOUNTING,
MANAGEMENT, ECONOMICS, MARKETING, MANAGEMENT INFORMATION
SYSTEM, AND INTERNATIONAL BUSINESS MAJORS. CHENG ALSO HAS CREATED
A VIRTUAL TUTORING LEARNING SYSTEM THAT IS BEING USED SUCCESSFULLY BY UCO STUDENTS.

AMY JOHNSON, UCO
(3RD FLOOR)
INKTANK: GRAPHIC DESIGN AND THE COMMUNITY

AMY JOHNSON GRADUATED FROM IOWA STATE UNIVERSITY WITH A B.F.A. IN GRAPHIC DESIGN IN 1994 AND RELOCATED TO OKLAHOMA CITY WHERE SHE BEGAN WORK AS A DESIGNER WITH WALKER CREATIVE, INC. IN 1999 SHE GRADUATED FROM THE SCHOOL OF THE ART INSTITUTE OF CHICAGO WITH AN M.F.A. IN STUDIO ARTS, AND RETURNED TO WALKER CREATIVE, INC. IN 2001 AS CREATIVE DIRECTOR. HER WORK HAS BEEN PUBLISHED IN COMMUNICATION ARTS AND PRINT.

PROF. JOHNSON PRESENTLY TEACHES GRAPHIC DESIGN AT THE GRADUATE AND UNDERGRADUATE LEVEL AT UCO, WHERE SHE ALSO SERVES AS THE ASSISTANT CHAIR FOR THE DEPARTMENT OF DESIGN. HER RESEARCH INTERESTS INCLUDE CREATIVE PROBLEM-SOLVING IN DESIGN AND EDUCATION AND VISUAL NARRATIVES IN COMMUNICATION.

1:50-2:00  BREAK –  - RCR

2:00-2:30  PUBLISHING UNDERGRADUATE RESEARCH PROGRAMS – LINDA MASON  - RCR

DAPHNE LADUE IS DIRECTOR AND PRINCIPAL INVESTIGATOR (PI), NATIONAL WEATHER CENTER RESEARCH EXPERIENCES FOR UNDERGRADUATES (REU) PROGRAM; A RESEARCH ASSOCIATE, CENTER FOR ANALYSIS AND PREDICTION OF STORMS.

PRIOR TO DIRECTING REU, SHE ESTABLISHED A RESEARCH RECORD ASSISTING ON PROJECTS AS DIVERSE AS RADIATIVE TRANSFER OF OZONE IN THE MESOSPHERE AND INVESTIGATION OF THE UTILITY OF SATELLITE DATA IN SEVERE STORM IDENTIFICATION AND TRACKING.

LADUE IS A DOCTORAL CANDIDATE IN ADULT AND HIGHER EDUCATION AT THE UNIVERSITY OF OKLAHOMA. THROUGH HER COURSEWORK SHE
FOUND MANY WAYS TO ENHANCE HER REU PROGRAM, INCLUDING IMPROVED MENTOR TRAINING, ADDITION OF CRITICAL THINKING AND METACOGNITIVE RESEARCH SKILL DEVELOPMENT, AND HELPING PARTICIPANTS EXPLORE HOW TO APPLY THEIR METEOROLOGICAL KNOWLEDGE IN ENTREPRENEURIAL WAYS.

LADUE HAS ALSO BEGUN APPLYING SOCIAL SCIENCE RESEARCH SKILLS TO THE PRACTICE OF METEOROLOGY WITH A PAPER FORTHCOMING IN THE BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY ON THE CRITICAL STRENGTHS AND LIMITATIONS OF CURRENT RADAR SYSTEMS FOR NATIONAL WEATHER SERVICE FORECASTERS AND TV BROADCASTERS IN THE SOUTHERN PLAINS.

DR. ANN NALLEY IS CURRENTLY A PROFESSOR OF CHEMISTRY IN THE PHYSICAL SCIENCE DEPARTMENT AT CAMERON UNIVERSITY, A POSITION SHE HAS HELD SINCE 1969. BEFORE COMING TO CAMERON SHE TAUGHT HIGH SCHOOL CHEMISTRY AND MATHEMATICS AT MUSKOGEE HIGH SCHOOL.

SHE HAS HELD POSITIONS AS A VISITING SCIENTIST OR PROFESSOR IN CHEMISTRY DEPARTMENTS AT THE UNIVERSITY OF OKLAHOMA, THE UNIVERSITY OF TEXAS AT DALLAS, AND THE UNIVERSITY OF SOUTHERN MISSISSIPPI.

DR. NALLEY EARNED A PH.D. IN RADIATION CHEMISTRY FROM TEXAS WOMAN'S UNIVERSITY. HER RESEARCH INCLUDES NEW PRODUCT DEVELOPMENT AND SOLVING INDUSTRIAL PROBLEMS IN THE AREA OF COSMETIC ANALYSIS, NANOSTRUCTURAL MATERIALS, APPLIED RESEARCH IN THE PETROLEUM INDUSTRY AND MOLECULAR MODELING.

IN 1992, SHE WAS HONORED BY THE FIVE SECTIONS OF THE AMERICAN CHEMICAL SOCIETY AS THE OKLAHOMA CHEMIST OF THE YEAR. SHE WAS THE FIRST AND ONLY WOMAN TO BE SO HONORED. SHE WAS PRESENTED WITH THE DIVISION OF PROFESSIONAL RELATION'S HENRY HILL AWARD FOR OUTSTANDING CONTRIBUTIONS TO PROFESSIONALISM.

SHE SERVED AS NATIONAL PRESIDENT OF THE AMERICAN CHEMICAL SOCIETY IN 2006. IN HER SPARE TIME, SHE MAINTAINS A REFUGE FOR OVER 40 DISPLACED OR DESERTED ANIMALS.

3:15-3:30 REGENTS’ SPOTLIGHT UG RESEARCH PROGRAM RECOGNITION – RCR

CHANCELLOR GLEN D. JOHNSON

COMMENTS, ACKNOWLEDGEMENTS AND ADJOURNMENT

LINDA MASON
UNDERGRADUATE RESEARCH CONFERENCE STEERING COMMITTEE

THE COMMITTEE IS COMPOSED OF VOLUNTEERS FROM ALL THREE TIERS OF HIGHER EDUCATION IN OKLAHOMA, COMMUNITY COLLEGES, REGIONAL UNIVERSITIES, AND COMPREHENSIVE UNIVERSITIES. MEMBERS ARE:

LINDA MASON, ED.D., CHAIR OF THE UNDERGRADUATE RESEARCH CONFERENCE COMMITTEE AND COORDINATOR OF EXTERNAL GRANTS AND RESEARCH FOR THE STATE OF OKLAHOMA THROUGH THE OKLAHOMA STATE REGENTS FOR HIGHER EDUCATION.

PENNY COGGINS, PH.D., VICE PRESIDENT FOR GRANTS DEVELOPMENT AND APPLIED RESEARCH AT REDLANDS COMMUNITY COLLEGE (RCC).


SUSAN FOSTER, CRA, IS THE DIRECTOR OF RESEARCH ADMINISTRATION, SPECIALIZING IN POST-AWARD MANAGEMENT, FOR NORTHEASTERN STATE UNIVERSITY IN TAHLEQUAH. IN 1986, SUSAN EARNED A BACHELOR OF SCIENCE DEGREE FROM NORTHEASTERN STATE UNIVERSITY IN ACCOUNTING WITH A MINOR IN MATHEMATICS AND BUSINESS. SHE ALSO HOLDS THE TITLE OF CERTIFIED RESEARCH ADMINISTRATOR (CRA) AND IS A STATE OF OKLAHOMA LICENSED TEACHER IN MATHEMATICS. SHE IS CURRENTLY ENROLLED IN THE GRADUATE MBA PROGRAM AT NSU. IN ADDITION TO SPECIALIZING IN GRANT FINANCE AND MANAGEMENT, SUSAN, FOR THE PAST (18) YEARS, HAS BEEN A STATE OF OKLAHOMA LICENSED WILDLIFE REHABILITATOR. SHE HAS REHABILITATED WILDLIFE OF ALL SPECIES. SHE AND HER HUSBAND OWN AND OPERATE ELEPHANT ROCK NATURE PARK, A 120-ACRE NATURE RESERVE AND OFFERS AMENITIES SUCH
AS LODGING, RAFTING, HIKING TRAILS AND WILDLIFE PHOTOGRAPHY. IT IS LOCATED IN TAHLEQUAH, OKLAHOMA ON SCENIC HIGHWAY 10. IN ADDITION TO HER JOB AND WILDLIFE REHABILITATION, SUSAN IS MARRIED AND HAS ONE DAUGHTER, FOUR BOYS, AND ONE GRANDDAUGHTER.

DR. LORI GWYN IS THE CURRENT DIRECTOR OF THE SWOSU OFFICE OF SPONSORED PROGRAMS AND CONTINUING EDUCATION. SHE RECEIVED HER BACHELOR OF SCIENCE DEGREE IN CHEMISTRY FROM SWOSU IN 1999 AND SHE EARNED HER PH.D. IN CHEMISTRY WITH AN EMPHASIS ON BIOCHEMISTRY FROM THE UNIVERSITY OF MISSOURI IN ST. LOUIS IN 2005.

BEFORE COMING TO SWOSU, SHE SERVED AS A CHEMIST AT DANLIN INDUSTRIES CORPORATION IN THOMAS, OK AND WAS A POSTDOCTORAL RESEARCH ASSISTANT AT THE UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER IN OKLAHOMA CITY. DURING DR. GWYN'S CAREER, SHE HAS RECEIVED MANY AWARDS, PUBLISHED SEVERAL JOURNAL ARTICLES AND DEVELOPED AN INVITED SEMINAR ON HER RESEARCH.

DAPHNE LADUE, DIRECTOR AND PRINCIPAL INVESTIGATOR (PI), NATIONAL WEATHER CENTER RESEARCH EXPERIENCES FOR UNDER-GRADUATES (REU) PROGRAM, AND A RESEARCH ASSOCIATE, CENTER FOR ANALYSIS AND PREDICTION OF STORMS.

PAMELA MCDOWN, M.M. SERVICES AS THE COORDINATOR, RESEARCH PROGRAMS IN UCO’S OFFICE OF RESEARCH & GRANTS (OR&G), ACADEMIC AFFAIRS. HER CURRENT PRIMARY RESPONSIBILITY IS THE ADMINISTRATION OF OVER 140 RESEARCH ASSISTANT (RA) PROJECTS AWARDED THROUGH THE OR&G’S FACULTY AND STUDENT ON-CAMPUS GRANT PROGRAMS. SHE WORKS WITH STUDENTS, FACULTY AND STAFF TOWARD THE DESIRED OUTCOME OF TRANSFORMATIVE LEARNING THROUGH RESEARCH, CREATIVE AND SCHOLARLY ACTIVITIES (RCSA) ON THE UCO CAMPUS.

MS. MCDOWN IS A VETERAN MUSIC EDUCATOR WITH OVER 35 YEARS TEACHING MUSIC STUDENTS AND FREELANCING AS A PERFORMING PROFESSIONAL MUSICIAN. HER RCSA (RESEARCH, CREATIVE AND SCHOLARLY ACTIVITIES) INTERESTS INCLUDE TOPICS IN MUSIC WITH A SPECIAL INTEREST IN RESEARCHING EUROPEAN 18TH AND 19TH CENTURY HISTORICAL PERFORMANCE PRACTICE IN CLARINET. SHE HOLDS A BACHELOR IN ARTS DEGREE IN MUSIC FROM CALIFORNIA STATE UNIVERSITY, SACRAMENTO, AND A MASTER IN MUSIC DEGREE FROM UCO.

TIM O’NEIL, DIRECTOR, FRESHMAN RESEARCH SCHOLARS PROGRAM, OFFICE OF SCHOLAR DEVELOPMENT AND RECOGNITION, OSU

KATHRYN (KATHI) SCHOONOVER (RIGHT) IS THE DIRECTOR OF RESEARCH AND SPONSORED PROGRAMS AT NORTHEASTERN STATE UNIVERSITY (NSU) AT THE TAHLEQUAH CAMPUS SINCE MARCH, 2009.

SHE HAS EXPERIENCE IN GRANT WRITING AS A PRINCIPAL INVESTIGATOR FOR TULSA COMMUNITY COLLEGE, NURSING DIVISION AND ALLIED HEALTH SERVICES, WITH ONE GRANT WINNING STATE RECOGNITION THROUGH BLUE CROSS AND BLUE SHIELD.
SHE ALSO SERVED AS GRANT ADMINISTRATOR FOR A FEDERALLY FUNDED PROGRAM FOR LOW INCOME HOUSING RESIDENTS WHERE SHE DEVELOPED PROGRAMS THAT ENCOURAGED AND ENHANCED RESIDENT SELF-SUFFICIENCY.

IT WAS DURING THIS TIME THAT SHE DISCOVERED THE VALUE OF GRANTSMANSHIP AND BEGAN DEVELOPING A PROFESSIONAL CAREER PATH IN THE “GRANTS WORLD”.


SHE EARNED A B.S. FROM OHIO STATE UNIVERSITY IN COLUMBUS, OHIO AND A M.ED. FROM SAINT FRANCIS COLLEGE IN FORT WAYNE, INDIANA.

DR. GREG WILSON IS THE EXECUTIVE DIRECTOR OF THE OFFICE OF RESEARCH & GRANTS AT UCO. HE EARNED A B.A. IN BIOLOGY FROM CENTRAL COLLEGE (CENTRAL UNIVERSITY OF IOWA), AN M.S. IN BIOLOGY FROM FORT HAYS STATE UNIVERSITY, AND A PH.D. IN ZOOLOGY FROM OKLAHOMA STATE UNIVERSITY.

DR. WILSON IS A TENURED ASSOCIATE PROFESSOR IN THE DEPARTMENT OF BIOLOGY. RECENT RESEARCH PROJECTS INCLUDE INVESTIGATING HOST/PARASITE INTERACTIONS OF BATS AND BAT FLIES, AND HOW CLIMATIC FLUCTUATIONS WHICH OCCURRED DURING AND FOLLOWING THE PLEISTOCENE IMPACT THE CONTEMPORARY POPULATION GENETIC STRUCTURE OF SEVERAL SPECIES OF MAMMALS IN OKLAHOMA AND ADJACENT STATES. DR. WILSON HAS 11 PUBLICATIONS IN PEER-REVIEWED JOURNALS.

DR. WILSON HAS GIVEN OVER 90 PRESENTATIONS--CO-AUTHORED WITH STUDENTS--AT REGIONAL, NATIONAL, AND INTERNATIONAL CONFERENCES. HIS STUDENTS HAVE PRESENTED THEIR RESEARCH AT THE OKLAHOMA STATE CAPITOL AND AT THE ANNUAL POSTERS ON THE HILL IN WASHINGTON, D.C.


DR. ANTON (TONY) WOHLERS IS ASSOCIATE PROFESSOR OF POLITICAL SCIENCE AND ACADEMIC RESEARCH DIRECTOR AT CAMERON UNIVERSITY IN LAWTON. HIS ACADEMIC WORK AND PUBLISHING HAVE FOCUSED ON ASPECTS OF PUBLIC POLICY, INCLUDING E-GOVERNMENT, BIOTECHNOLOGY’S ROLE IN SOCIETY, AND ECONOMIC DEVELOPMENT POLICY.

AS PART OF HIS ROLE AS ACADEMIC RESEARCH DIRECTOR, HE ENCOURAGES UNDERGRADUATE RESEARCH ON THE CAMPUS OF CAMERON UNIVERSITY BY ORGANIZING OKLAHOMA RESEARCH DAY AND OTHER EVENTS AIMED AT
INVOLVING STUDENTS IN RESEARCH. HE HOLDS A PH.D. IN POLITICAL SCIENCE FROM NORTHERN ILLINOIS UNIVERSITY (2004), WHERE HE STUDIED THE ROLE OF NEIGHBORHOOD GROUPS IN LOCAL AGENDA-SETTING.

AN OKLAHOMA NATIVE
CHERRY HAS ENJOYED CAREERS
TEACHER, A SAVINGS AND LOAN
OIL LEASE BROKER (LANDMAN), A

JOURNALIST/EDITOR/PHOTOGRAPHER FOR SEVERAL DAILY AND WEEKLY NEWSPAPERS, AND A RESEARCH ADMINISTRATOR/GRANT WRITER. SHE HAS WRITTEN OR COLLABORATED ON SUCCESSFUL GRANT PROPOSALS TO FEDERAL AND STATE AGENCIES, AND IS A REVIEW FACILITATOR AND REVIEWER FOR FEDERAL GRANT PROPOSALS.

MS. CHERRY IS A CONSULTANT IN WRITING, EVALUATING, AND REVIEWING GRANTS, AND LEADS SEMINARS FOR ALL PHASES OF PROPOSAL WRITING. SHE HAS BEEN A GRANT CONSULTANT TO THE UNIVERSITY OF NORTH TEXAS IN DENTON, AND CHEMEKETA COMMUNITY COLLEGE IN SALEM, OR.

SHE COLLABORATED WITH DR. MASON IN THE CREATION OF THE 2010 AND 2011 UNDERGRADUATE RESEARCH CONFERENCE PROCEEDINGS PUBLICATIONS.
UNDERGRADUATE RESEARCH RESOURCES
FOR FACULTY, STAFF, AND ADMINISTRATORS

COUNCIL ON UNDERGRADUATE RESEARCH (CUR) MONOGRAPHS –

- **BROADENING PARTICIPATION IN UNDERGRADUATE RESEARCH:**
  *FOSTERING EXCELLENCE AND ENHANCING THE IMPACT.* EDITED BY: MARY K. BOYD AND JODI L. WESEMANN

- **DEVELOPING AND SUSTAINING A RESEARCH-SUPPORTIVE CURRICULUM: A COMPENDIUM OF SUCCESSFUL PRACTICES.** EDITED BY: KERRY K. KARUKSTIS AND TIMOTHY E. ELGREN

- **UNDERGRADUATE RESEARCH AT COMMUNITY COLLEGES** - HTTP://WWW.CUR.ORG/URCC/ PUBLICATION IS AVAILABLE IN FULL-TEXT ONLINE BY CLICKING THE ABOVE LINK. EDITED BY: BRENT D. CEJDA AND NANCY HENSEL (DR. PENNY COGGINS, REDLANDS COMMUNITY COLLEGE, CONTRIBUTED TO THIS MONOGRAPH.)

- **HOW TO MENTOR UNDERGRADUATE RESEARCHERS.** BY CAROLYN ASH MERKEL, CALIFORNIA INSTITUTE OF TECHNOLOGY AND SHENDA M. BAKER, HARVEY MUDD COLLEGE

- **HOW TO DEVELOP AND ADMINISTER INSTITUTIONAL UNDERGRADUATE RESEARCH PROGRAMS**

- **HOW TO GET STARTED IN RESEARCH**

- **REINVIGORATING THE UNDERGRADUATE EXPERIENCE: SUCCESSFUL MODELS SUPPORTED BY NSF’S AIRE/RAIRE PROGRAM.** EDITED BY LINDA KAUFFMAN AND JANET STOCKS, CARNEGIE MELLON UNIVERSITY

- **SHULTZ, DAVE, ELOQUENT SCIENCE: A PRACTICAL GUIDE TO BECOMING A BETTER WRITER, SPEAKER, & ATMOSPHERIC SCIENTIST.** AMERICAN METEOROLOGICAL SOCIETY (NOVEMBER 23, 2009), HTTP://ELOQUENTSCIENCE.COM/.

- **URSSA - UNDERGRADUATE RESEARCH STUDENT SELF-ASSESSMENT HTTP://WWW.COLORADO.EDU/EER/RESEARCH/UNDERGRADFAQS.HTML** – THE URSSA IS AN ONLINE SURVEY INSTRUMENT DEVELOPED AT THE UNIVERSITY OF COLORADO FOR PROGRAMS AND DEPARTMENTS TO USE IN ASSESSING THE STUDENT OUTCOMES OF UNDERGRADUATE RESEARCH (UR). URSSA FOCUSES ON WHAT STUDENTS LEARN FROM THEIR UR EXPERIENCE, RATHER THAN WHETHER THEY LIKED IT. IF YOU HAVE QUESTIONS OR COMMENTS ABOUT URSSA AND ITS USE, PLEASE CONTACT ANNE-BARRIE HUNTER AT ABHUNTER@COLORADO.EDU.

- **UNDERSTANDING SCIENCE, HTTP://UNDSCI.BERKELEY.EDU/** A FREE WEBSITE RESOURCE SPONSORED BY THE NATIONAL SCIENCE FOUNDATION, UNIVERSITY OF CALIFORNIA MUSEUM OF PALEONTOLOGY OF THE UNIVERSITY OF CALIFORNIA AT BERKELEY, IN COLLABORATION WITH A DIVERSE GROUP OF SCIENTISTS AND TEACHERS, AND WAS FUNDED BY THE NATIONAL SCIENCE FOUNDATION.
• NSF REU DIRECTOR, VICTOR A. SANTIAGO, vsantiag@nsf.gov - 703-292-4673, reu.coord@nsf.gov

• NSF REU OFFICE OF CYBERINFRASTRUCTURE OF REU, PROGRAM DIRECTOR, DR. ROBERT PENNINGTON, 703-292-7025, rpennning@nsf.gov