

EMPORIA STATE UNIVERSITY

*The Office of Graduate Studies and Research
invites you to attend the*

25th ANNUAL RESEARCH AND CREATIVITY FORUM

**Wednesday, April 8, 2009
Colonial Ballroom, Memorial Union
1:30 p.m. — 4:00 p.m.**

The Research and Creativity Forum will begin at 1:30 p.m. in the Memorial Union Colonial Ballroom with the poster session, which is intended to highlight research and scholarly activity of faculty and students at ESU. A list of poster exhibits is included with this announcement. There are many interesting entries and we encourage faculty, staff, and students to stop by the Ballroom and walk through the exhibits. Awards will be given for the best faculty, student, and collaborative posters.

The award ceremony will begin at 3:15 and will include the announcement of the Audrey S. Major Research Fund Awards by University Libraries and Archives, the Boylan Outstanding Master's Thesis Award, the Harold Durst Graduate Research Award, the Graduate Teaching Assistant University Awards for Excellent Teaching, and the Robert J. Grover Graduate Student Scholarships. Faculty who received research and creativity grants this spring will also be recognized, and the award ceremony will conclude with the presentation of the 2009 President's Award for Research and Creativity. The recipient, Dr. Khaled Alshare, associate professor in the department of Accounting and Information Systems, will be the keynote speaker. Past recipients of the President's Award will also be recognized. Please join us in honoring these outstanding faculty and graduate students.

In honor of the 25th anniversary of the Research and Creativity Forum, we will have additional drawings for cash and professional development prizes. There will be a drawing for 3 faculty prizes of \$500 each in professional development funds, and 3 student cash prizes of \$250 each.

Refreshments will be served

2009 POSTER EXHIBITS

College of Liberal Arts and Sciences

Digital Infrared Small-Format Aerial Photography

James Aber, Professor, Susan Aber, Lecturer, Lida Buster, Richard Sleezer, Associate Professor, Physical Sciences; William Jensen, Assistant Professor, Biological Sciences

Cloning of the Gene Responsible for Malachite Green Degradation in Staphylococcus aureus ATCC29213

Ying Cao, graduate student, and Scott Crupper, Professor, Biological Sciences

Kitsch: A Critical Reader

C.E. Emmer, Assistant Professor, Social Sciences, and Monica Kjellman-Chapin, Associate Professor, Art

Where We Fight: The Geopolitics of the Peloponnesian War, 431-404BCE

Phil Kelly, Professor, and Deborah Gerish, Associate Professor, Social Sciences

Negative Effects of Mesquite Density on Lark Sparrow Nest Success

Ashley Long, Graduate Teaching Assistant, Biological Sciences

A Comparison of the Effects of Prenatal Exposure to Three Ionic Liquids in CD-1 Mice

Ashley Lovich, Jarrett Lockhard, Jamie Neuenschwander, undergraduate students; Melissa Bailey, Assistant Professor, Biological Sciences; Jane Rasco, Richard Swatloski, Robin Rogers, and Ronald Hood, University of Alabama

Literary Reviewing in the Midwest

Allyson McNitt, Graduate Teaching Assistant, and Amy Sage Webb, Associate Professor, English

Bioactivity of Myxobacterial Secondary Metabolites

Lei Qiu, Graduate Teaching Assistant, and Scott Crupper, Professor, Biological Sciences

Teaching Applied Hydrogeology at ESU's Field Hydrogeology Teaching and Research Station: A Pedagogical Strategy for Enhancing Quantitative Learning Skills in Earth Science

Marcia Schulmeister, Assistant Professor, Physical Sciences

Telling History: A Taxonomy of Best Practice Priorities of Performed History Interpretation

Joyce Thierer, Assistant Professor, Social Sciences

The Toxicity of Luria-Bertani Medium on Certain Escherichia Coli Strains

Xiaobo Wang, Graduate Research Assistant, and Yixin Eric Yang, Assistant Professor, Biological Sciences

Effect of Mercuric Compound at Sublethal Concentrations on the Survivability of Bacterial Cells Challenged by Ultraviolet Light or N-Ethyl-N-Nitrosourea

Xiaobo Wang, Graduate Research Assistant, and Yixin Eric Yang, Assistant Professor, Biological Sciences

The Sustainability of Kansas

Anthony Westby, undergraduate student, Biological Sciences

Si Se Puede Hacer Ciencias y Matematicas

Elizabeth Yanik, Professor, Joe Yanik, Professor, Mathematics, Computer Science & Economics; Jorge Ballester, Professor, Physical Sciences; Dwight Moore, Associate Professor, Biological Sciences

The Effect of Ginkgo Biloba Leaf Extract and its Individual Active Constituents on the Proliferation and Global Gene Expression in Malignant Melanoma Cells

Yunqi Zhao, Graduate Teaching Assistant, and Yixin Eric Yang, Assistant Professor, Biological Sciences

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School of Library and Information Management

Information Entropy and Information Equivocation: An Exploratory Study
Waseem Afzal, Ph.D. student

Teachers College

The Effect of Environment on Spatial Learning in Rats

Jennifer Ball, Graduate Teaching Assistant; Amanda Brown, Graduate Teaching Assistant; Tyler Miller, Graduate Teaching Assistant; Jennifer Peterson, Graduate Teaching Assistant; Brianna Bennett, graduate student; Callie Fishburn, undergraduate student; Cathy Grover, Associate Professor, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

Development of Acute Tolerance to Ethanol in the Male Sprague-Dawley Rat

Amanda Brown, Graduate Teaching Assistant; Carly Chadick, Graduate Teaching Assistant; Cierra Sauls, undergraduate student; John Meara, Graduate Teaching Assistant; Jennifer Ball, Graduate Teaching Assistant; Christopher Rea, graduate student; Cathy Grover, Associate Professor, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

College Students and Stress: Measuring the Efficacy of Art Therapy through Biofeedback

Subha Chatterjee, Graduate Assistant, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

Special Education – Alphabet Soup

Carol Daniels, Assistant Professor, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

The Effect of Teen Diaries as Case Studies on Students' Learning

Pamelyn MacDonald, Associate Professor, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

Mirrored Text: A New Generation Rule?

John Meara, Graduate Teaching Assistant, Psychology, Art Therapy, Rehabilitation & Mental Health Counseling

Gifted Program Evaluation: Great Plains Center for Gifted, Talented and Creative

Connie Phelps, Assistant Professor, and Rubaica Fidvi, Graduate Teaching Assistant, Special Education & School Counseling

Characteristics of Elementary Science Programs as Classified by Administrators in the State of Kansas

C. Matt Seimears, Assistant Professor, Early Childhood/Elementary Teacher Education

The Effects of a Season-Long, Daily Mental Training Program on High School Track and Field Athletes

Mark Stanbrough, Associate Professor, Health, Physical Education & Recreation

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University Libraries and Archives

The Status of Academic Librarians

Edgar Cuthbert Gentle IV, Assistant Professor

Cross-Disciplinary

Community Structure of Intestinal Bacteria in CFTR Null Mice

Elsie Haynes, Graduate Teaching Assistant, Nicole Smith, alumna, and Tim Burnett, Associate Professor, Biological Sciences; Ashley Webb, alumna, School of Business

Using Structural Equation Models to Determine Factors of Principals' Information Use Environments Influencing Data-Driven Decision-Making

Mingchu Luo, Institutional Research, and Marcus Childress, Professor, Instructional Design & Technology