

# 7th Annual Student Research and Creative Activity Fair

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**Friday, March 6, 2015  
9:00 AM TO 4:00 PM**

**Dr. C.C. and Mabel L. Criss Library**

This event was made possible  
with support from the Office of  
Research and Creative Activity  
and the Criss Library.

UNIVERSITY OF  
**Nebraska**  
Omaha



# WELCOME

As a student-centered university, the University of Nebraska at Omaha provides diverse opportunities for students to become engaged scholars through research and creative activity. The 7<sup>th</sup> Annual Student Research and Creative Activity Fair will introduce you to our dynamic undergraduate and graduate students. We hope you will enjoy the day-long showcase of their research and creative activity as oral presentations, performances, poster presentations, and exhibits.

Thank you to the faculty advisors for encouraging their students and sharing their time and expertise. They are numerous and represent all six of UNO's colleges, as well as UNL's College of Engineering. Thanks also go to Criss Library Interim Dean, Audrey DeFrank, and her staff for hosting this event at such an incredible venue.

We appreciate the willingness and time of those serving as judges for this event, our community colleagues and friends. Enjoy your time on campus today. Thank you for supporting student research and creative activity at UNO.

Sincerely,  
Scott D. Snyder, Ph.D.  
Associate Vice Chancellor for  
Research and Creative Activity

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# **SCHEDULE AT A GLANCE**

**9:00am – 10:30am: Oral Session 1**

**9:00am – 10:30am: Poster Session 1**

**10:30am - 10:45am: Oral Break**

**10:30am - 11:00am: Poster Break**

**10:45am – 12:00pm: Oral Session 2**

**11:00am – 12:30pm: Poster Session 2**

**11:30am - 1:30 pm: Lunch at CEC Building**

**1:00pm – 2:15pm: Oral Session 3**

**2:00pm – 3:30pm: Poster Session 3**

**2:15pm— 2:30pm: Oral Break**

**2:30pm – 4:00pm: Oral Session 4**

**4:00pm: Display Removal**

# JUDGES

Thank you to our judges for their time and assistance with UNO's 7th Annual Student Research and Creative Activity Fair!

Brian Allison —	Children's Hospital Home Healthcare
Jon Anderson, MBA, PhD —	Li-Cor Biosciences
Ellie Archer —	Community Volunteer
Sara Ausdemore —	First Data
Mike Bird —	University of Nebraska Foundation
Adam J. Case, PhD —	University of Nebraska Medical Center
Leandro Castro —	MultiMechanics
Barbee Davis —	Davis Consulting
Audrey DeFrank —	University of Nebraska at Omaha
Anthony Flott —	University of Nebraska at Omaha Alumni Association
Nina Graziano —	Habitat for Humanity of Omaha
Amy Haase —	RDG Planning and Design
Matt Hammons —	University of Nebraska
Traci Hancock —	University of Nebraska at Omaha Innovation Accelerator
Barbi Hayes —	Hayes Environmental LLC
Emilio Herrera —	Inclusive Communities
Darin L. Jensen —	Metropolitan Community College
Jolene Johnson —	University of Nebraska Medical Center Munroe-Meyer Institute
Melinda Kozel —	Kaneko-UNO Creativity Library
Jenny Kucera —	University of Nebraska Medical Center

Leslie Kuhnel — CHI Health Ethics Center

Glenn Leatherwood — Valmont Industries

Justin Lieth — First Data

Maria Malnack — University of Nebraska at Omaha Alumni Association

Susie McGuire — Conservation Fusion

Tim McIvor — Omaha Public Power District

Dr. Susie Melliger — Millard Public Schools

Ken Moreano — Scott Technology Center

Turner Morgan — Habitat for Humanity of Omaha

Todd Morris — PayPal

Rachel Olive — Hunger Free Heartland

Paul Olson — University of Nebraska - Lincoln

Andy Rikli — Papillion-La Vista School District

Steven J. Schreiner, PhD — University of Nebraska Medical Center  
UNeMed

Andy Simpson — Farnham and Simpson Law

Marty Skomal — Nebraska Arts Council

Nicholas Smith — Boys Town National Research Hospital

Bill Snyder — Peru State College

Chris Sommerich — Humanities Nebraska

Mark Spadaro — Dyna-Tech Aviation Services

Lisa St. Clair — University of Nebraska Medical Center  
Munroe-Meyer Institute

Patrick C. Swanson, PhD — Creighton University

Michelle Troxclair — Nebraska Writers Collective

# **FACULTY MODERATORS**

Thank you to our faculty moderators for their time and assistance with today's activities.

- Timi Barone — Sociology & Anthropology
- Abby Bjornsen — Counseling
- Juan Casas — Psychology & OLLAS
- Joshua Darr — Chemistry
- Raj Dasgupta — Computer Science
- Paul H. Davis — Biology
- Doug Derrick — Interdisciplinary Informatics
- Shari DeVeney — Special Education
- Tim Dickson — Biology
- Eugenio DiStefano — Foreign Languages
- Carol Ebdon — Public Administration
- Jeff French — Psychology
- Shari Hofschire — Art & Art History
- Jeanette Harder — Social Work
- Halla Kim — Philosophy & Religion
- Gina Ligon — Market & Management
- Harmon Maher — Geography & Geology
- Brian McKevitt — Psychology
- Sara A. Myers — HPER & Biomechanics
- Jody Neathery-Castro — Political Science
- Mark Pauley — Interdisciplinary Informatics
- Roni Reiter-Palmon — Psychology
- Marisol U. Rodriguez — Nebraska Business Development Center
- Lisa Scherer — Psychology
- Jeanne Surface — Educational Leadership
- Peter Szto — Social Work
- Jenna Yentes — HPER & Biomechanics

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 225

TIME	STUDENT	PROGRAM	ADVISOR
1:00 PM	Trisha Rhodes	GD Criminology & Criminal Justice	Samantha Clinkinbeard
<i>"School Resource Officer and Patrol Officer Perceptions of Roles and Job Satisfaction"</i>			
1:15 PM	Christine Quick	GD Psychology	Lisa Scherer
<i>"Accommodating Employees Experiencing Work-Life Conflict: An Examination of Supervisors' Decision Making Processes" (L. Scherer)</i>			
1:30 PM	Mengmeng Gai	GM Computer Science	Azad Azadmanesh
<i>"A Hybrid Approach to Indoor Sensor Area Localization and Coverage"</i>			
1:45 PM	Mithra Pirooz	GM Psychology	Jonathan Santo
<i>"Self-Construal as a Partial Mediator in the Relationship Between General Self-Worth and Competence" (J. Santo, F. Meyer, W. Bukowski)</i>			
2:00 PM	Jason Andersen	GM Biology	LaReesa Wolfenbarger
<i>"Effects of the 2011 Missouri River flood on grassland birds at DeSoto and Boyer Chute National Wildlife Refuges"</i>			
<b>2:15 PM — 2:30 PM BREAK</b>			
2:30 PM	Jie Xiong	GD Management Information Systems	Sajda Qureshi
<i>"Information and Communications Technology Development for Native American Small Businesses with a Community Emphasis" (T. Lamsam)</i>			
2:45 PM	Stephanie Sands	GM Psychology	Roni Reiter-Palmon
<i>"Psychological Safety and Team Information Exchange in Virtual Leadership Development"</i>			
3:00 PM	Jessica VanVuren	GM Social Work	Jeanette Harder
<i>"Social and Emotional Intelligence: A Survey of High School and College Youth"</i>			
3:15 PM	Bryan Johnson	GM Mathematics	Mahboub Baccouch
<i>"Galerkin Methods for Stochastic Differential Equations"</i>			
3:30 PM	Danielle Bailey	GD Criminology & Criminal Justice	Lisa Sample
<i>"Diffusion of shame: Experiences of sex offender family support networks"</i>			

UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 112

TIME	STUDENT	PROGRAM	ADVISOR
9:00 AM	Brandon Hulsebusch	UG Bioinformatics	Karen Murch-Shafer
	<i>"Determination of the Dissimilarity of a Highly Conserved Gene in a Hive of The European Honeybee (Apis mellifera)"</i>		
9:15 AM	Natasha Bishop	UG Art History	Adrian Duran
	<i>"Futurist Immersion and Scholarly Contributions"</i>		
9:30 AM	Wayne Manion	UG Bioinformatics	Paul Davis
	<i>"Attempted transcriptome assembly of Homalodisca vitripennis"</i>		
9:45 AM	Kasey Davis	UG Religion	Curtis Hutt
	<i>"Archaeology in East Jerusalem and International Law"</i>		
10:00 AM	Maggie Bartlett	UG Biotechnology	Paul Davis
	<i>"Does a Toxoplasma gondii EP67 conjugated epitope vaccine show efficacy in vivo?"</i>		
10:15 AM	Alice Fanari	UG Communication Studies	Karen Dwyer
	<i>"Is My Instructor Misbehaving? College Student Perceptions of Instructor Attire, Tattoos, and Body Piercings."</i>		
10:30 AM — 10:45 AM BREAK			
10:45 AM	Eric Edens	UG Computer Science	William Mahoney
	<i>"Like My Terrorist Site? Pin It!"</i>		
11:00 AM	Carissa Brugman	UG Biotechnology	Jill Blankenship
	<i>"Identification of Septin Regulators in Candida albicans"</i>		
11:15 AM	Kelly Wieczorek	UG English	Tanushree Ghosh
	<i>"Irene Adler, the Atypical Criminal; Female Victorian Criminals"</i>		
11:30 AM	Savannah Hunter	UG Psychology	Lisa Scherer
	<i>"An Application of the Work-Demands Resources Model to Understanding Working College Student Outcomes" (L. Scherer)</i>		
11:45 AM	Casey Riesberg	UG Speech Communication	Barbara Pickering
	<i>"Communication Apprehension in Bilingual College Students: A Variation of Speaking the Same?"</i>		

12:00 PM — LUNCH



# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 112

TIME	STUDENT	PROGRAM	ADVISOR
1:00 PM	Sean West	GD Bioinformatics	Hesham Ali
	<i>"Characterization of Type II Diabetes through biomedical data fusion"</i>		
1:15 PM	Kami Tsai	GD Psychology	Wayne Harrison
	<i>"The Roles of Organizational Justice and Cynicism in Employee Affective Commitment to Change"</i>		
1:30 PM	Oliver Bonham-Carter	GD Bioinformatics	Dhundy Bastola
	<i>"Post-translational modification bias and organism complexity" (I. Thapa)</i>		
1:45 PM	Holly Wilson	GM English	John Price
	<i>"In Search of Nebraska's Orphan Trains"</i>		
2:00 PM	Ayan Dutta	GD Computer Science	Prithviraj Dasgupta
	<i>"A Graph Isomorphism-based Distributed Algorithm for Modular Robot Configuration Formation"</i>		
2:15 PM — 2:30 PM BREAK			
2:30 PM	Danielle Slakoff	GD Criminology & Criminal Justice	Pauline Brennan
	<i>"The Picture Tells the Story: Photographic Depictions of Female Offenders in Front-Page Newspaper Stories" (P. Brennan)</i>		
2:45 PM	Stephanie Albers	GD Psychology	Juan Casas
	<i>"A Mediation Model of Relational Victimization and Depression in Bulimia" (J. Casas)</i>		
3:00 PM	Barsa Agarwal	GM Economics	John Dogbey
	<i>"Is Healthcare Cost the Key Determinant of Life Expectancy?"</i>		
3:15 PM	Caitlin Ray	GM English - Language Studies	Tammie Kennedy
	<i>"Calming These Nerves': The Politics of Gender and Disability in Fibromyalgia Rhetoric"</i>		
3:30 PM	Derek McBride	GM Physical Activity in Health Promotion	Danae Dinkel
	<i>"A Model for Energy and Well-being; Implications for Human Performance"</i>		

UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 231

TIME	STUDENT	PROGRAM	ADVISOR
9:00 AM	Joseph Conrad	UG Economics	Catherine Co
	<i>"Has the 'Everything But Arms' Initiative Led to an Increase in Trade From LDCs into the EU?"</i>		
9:15 AM	Yasmine Farhat	UG Biology	Alan Kolok
	<i>"Effects of Agrichemicals in the Elkhorn River on Endocrine Function of Juvenile Female Fathead Minnows (Pimephales promelas)"</i>		
9:30 AM	Jean Rowe	UG Art History	Amy Morris
	<i>"A Technical Study of Madonna and Child with Saints Catherine and Agnes"</i>		
9:45 AM	Andrew Pulfer	UG Bioinformatics	Tomas Helikar
	<i>"Dynamic System Analysis of HIV infection in CD4+ T-cells"</i>		
10:00 AM	Claire O'Connell	UG Engineering	Prithviraj Dasgupta
	<i>"Opportunistic Competition and Collaboration in Two-Robot Teams" (P. Dasgupta, J. Baca)</i>		
10:15 AM	Zoe Yohn	UG English	Tanushree Ghosh
	<i>"Freak Fatale: The Nineteenth-Century Freak Show and Carroll's Alice's Adventures in Wonderland"</i>		
10:30 AM — 10:45 AM BREAK			
10:45 AM	Caleb Cave	UG Biology	Paul Davis
	<i>"Detection of Mycoplasma in Human Cell Cultures Using Homology and PCR"</i>		
11:00 AM	Loren Blake	UG Black Studies	Jennifer Harbour
	<i>"Will Brown and the 1919 Douglas County Courthouse Lynching"</i>		
11:15 AM	Albert Blanco	UG Psychology	Lisa Scherer
	<i>"Generalized Self-Efficacy as a Moderator on Burnout and Outcomes for Working College Students" (L. Scherer)</i>		
11:30 AM	Katie Juarez	UG Biotechnology	Paul Davis
	<i>"Testing Novelty Synergistic Drug Combinations to Knock-out Toxoplasma gondii in Mice Brains"</i>		
11:45 AM	John Floerke	UG Religion	Curtis Hutt
	<i>"Comparative Study on Theory Formation during Paradigm Shifts"</i>		
12:00 PM — LUNCH			

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 231

TIME	STUDENT	PROGRAM	ADVISOR
1:00 PM	Taylor Gehringer	GM Psychology	Carey Ryan
	<i>"Examining the STEM Pipeline: The Role of Organizational Socialization in STEM Career Persistence"</i>		
1:15 PM	Sergio Orozco	GM Communication Studies	Karen Dwyer
	<i>"Power Usage by Instructors: Does Behavioral Alteration Messages (BAMs) used in an E-learning Environment Differ from those used in a Face-to-face Classroom?"</i>		
1:30 PM	Julia Warnke	GD Bioinformatics	Hesham Ali
	<i>"Focus: A Graph Mining and Assembly Platform for the Discovery and Extraction of Biological Features in Next Generation Sequencing Reads" (H. Ali)</i>		
1:45 PM	Lora Frecks	GD Public Administration	Yu-Che Chen
	<i>"Citizen Engagement, Collaborative Governance and the Civic Hacking Group Social Movement in the United States"</i>		
2:00 PM	Abigail Judge	GM Biology	Paul Davis
	<i>"Investigation of the molecular target of an early lead anti-Toxoplasma compound"</i>		
2:15 PM — 2:30 PM BREAK			
2:30 PM	Swapna Medichetti	GM Biology	Donald Rowen
	<i>"Identification of Mechanism of Action of DASamP2 against Pseudomonas aeruginosa by Isolation of Mutants." (G. Wang)</i>		
2:45 PM	Karyn Sporer	GD Criminology and Criminal Justice	Pete Simi
	<i>"Communication patterns among family members of aggressive children with mental illness"</i>		
3:00 PM	MaryLee Moulton	GM Communication	Hugh Reilly
	<i>"Press Accountability Guideposts for Digital Media"</i>		
3:15 PM	Jessica Perrigan	GM Economics	John Dogbey
	<i>"Decreasing Agricultural-Sector Employment and its Effect on Fertility Rates in Mexico"</i>		
3:30 PM	Alicia Buttner	GD Psychology	Rosemary Strasser
	<i>"Behavioral, social, and hormonal outcomes of dogs rescued from canine commercial breeding establishments" (R. Strasser)</i>		

UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 232

TIME	STUDENT	PROGRAM	ADVISOR
9:00 AM	Olimpiya Saha	GD Computer Science	Prithviraj Dasgupta
	<i>"Towards Fast and Reliable Robot Navigation in Unknown and Unstructured Environments using Transfer Learning" (P. Dasgupta)</i>		
9:15 AM	Matt Heesch	GD Exercise Science	Dustin Slivka
	<i>"Human skeletal muscle mRNA response to exercise in a hot environment" (R. Shute, M. Bubak, T. Laursen, N. Dinan, T. La Salle, D. Slivka)</i>		
9:30 AM	Victoria Graeve-Cunningham	GM Psychology	Lisa Scherer
	<i>"Sustaining and Retaining a Healthy Volunteer Population" (L. Scherer, J. Allen)</i>		
9:45 AM	Vladimir Ufimtsev	GD Information	Sanjukta
	<i>"Identifying Important Vertices in Large Real World Networks"</i>		
10:00 AM	Ryan Krysl	GM Biology	Alan Kolok
	<i>"The impact of exposure intervals to 17<math>\beta</math>-trenbolone as its metabolite profile in the sediment and water column changes."</i>		
10:30 AM — 10:45 AM BREAK			
10:45 AM	Stephanie Weddington	GM Psychology	Lisa Scherer
	<i>"Having Good Colleagues Decreases Detrimental Effects of Volunteer Emotional Labor" (J. Allen)</i>		
11:00 AM	Brad Woosley	GM Computer Science	Prithviraj Dasgupta
	<i>"Efficient Simultaneous Motion and Task Planning Using Task Reachability Graphs" (P. Dasgupta)</i>		
11:15 AM	Meg Marquardt	GM English	Tammie Kennedy
	<i>"Weird Science: Investigating the Shift in Science Engagement in late 1800s America"</i>		
11:30 AM	Saeed Tabar	GD Information	Lotfollah Najjar
	<i>"Quality of Service In VANET"</i>		
11:45 AM	Rajalakshmi Sivanandham	GM Biology	Bruce Chase
	<i>"Genetic Analysis of Parkinsonism/Dementia and Multiple sclerosis"</i>		

12:00 PM — LUNCH

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 232

TIME	STUDENT	PROGRAM	ADVISOR
1:00 PM	Gerard De Leoz	GD Information Technology	Stacie Petter
	<i>"High Performance IT Project Teams: A Comparative Study for Traditional and Agile Methodologies"</i>		
1:15 PM	Jordan Grubaugh	GD Health, Phys. Edu. & Recreation	Anastasia Kyvelidou
	<i>"Three month old infants do not show preference for social images" (V. N. P. Ambati, N. Lempke, B. Senderling, A. Kyvelidou)</i>		
1:30 PM	Scott McGrath	GD Biomedical Informatics	Ann Fruhling
	<i>"Workflow analysis of the Juvenile Diversion Case Management System (JDCMS) in Nebraska"</i>		
1:45 PM	Ik-Hyun Youn	GD Computer Science	Hesham Ali
	<i>"A New Correlation Network Approach for Modeling Mobility Parameters and Predicting Health Hazards" (A. Patlolla)</i>		
2:00 PM	Ellyn Bass	GM Psychology	Jonathan Santo
	<i>"Contextual Influences on the Relationship between Physical and Relational Aggression and Peer Victimization" (J. Santo, L. Lopez, W. Bukowski)</i>		
2:15 PM — 2:30 PM BREAK			
2:30 PM	Alexander Fuchsberger	GD Information Technology	Hesham Ali
	<i>"Big Data: How Correlation Networks can be used to Predict and Analyze Safety Problems"</i>		
2:45 PM	Jennifer Sedivy	GM Social Work	Jeanette Harder
	<i>"Program Evaluation as a Tool to Improve Permanency Outcomes"</i>		
3:00 PM	Nicholas Wertzberger	GM Computer Science	Prithviraj Dasgupta
	<i>"Distributed Decision Making with Rapidly Evolving Information using a Multi-agent System"</i>		
3:15 PM	Jack Taylor	GD Psychology	Jeffrey French
	<i>"Sex Steroids, Neuropeptides, and Parental Behavior in Mongolian Gerbils"</i>		
3:30 PM	Seth Thompson	GM Sociology	Dan Hawkins
	<i>"Quantitative Trend Analysis of the Impact of Religion on Attitudes About the Environment Versus the Economy with Qualitative Support"</i>		

UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 249

TIME	STUDENT	PROGRAM	ADVISOR
9:00 AM	Can Chen	GD Public Administration	John Bartle
	<i>"Disentangling the Myth of the Fragile Foundation: The Effects of Public Infrastructure Investment and Finance on State Infrastructure Quality"</i>		
9:15 AM	Jasjit Banwait	GD Bioinformatics	Dhundy Bastola
	<i>"A Computational Framework to Identify Therapeutic MicroRNAs - A contemporary approach in treating pancreatic cancer"</i>		
9:30 AM	Giovanni Consolino	GM Communication	Chin-Chung Chao
	<i>"Leadership and Intercultural Competence: A Narrative of Transformational Leadership in the 21st Century"</i>		
9:45 AM	Sheridan Trent	GD Psychology	Lisa Scherer
	<i>"Putting Out Fires! Exploring Occupational Dispute Competence in the Workplace" (K. Lai, L. Scherer)</i>		
10:00 AM	Heather Hannaford	GM English	Kristin Girten
	<i>"'Spies' of the Domestic Sphere: Female Engagement with Empiricism in Evelina and The Female Spectator"</i>		
10:15 AM	Jay Pedersen	GD Bioinformatics	Dhundy Bastola
	<i>"Analysis of Biologic Relationships with Graph Databases"</i>		
10:30 AM — 10:45 AM BREAK			
10:45 AM	Jon Cavanaugh	GD Psychology	Jeffrey French
	<i>"Oxytocin and social buffering in marmosets"</i>		
11:00 AM	Kristin VanWyngaarden	GM Speech	Shari DeVeney
	<i>"Phonological profiles of 2-year-olds with expressive-only and expressive and receptive language delay."</i>		
11:15 AM	Ji Hyung Park	GD Public Administration	Carol Ebdon
	<i>"The Effect of Form of Government and Citizen Participation on Local Fiscal Health"</i>		
11:30 AM	Louis Martin	GD Psychology	Suzanne Sollars
	<i>"A Low-Sodium Diet Alters Glossopharyngeal Nerve Taste Responses in Adult Rats While Nerve Injury Has No Effect" (S. Sollars)</i>		
11:45 AM	Elizabeth Nye	GM Theatre	Cindy Melby Phaneuf
	<i>"'9 Parts of Desire': Shadows of Ourselves in the Women of Iraq"</i>		

12:00 PM — LUNCH

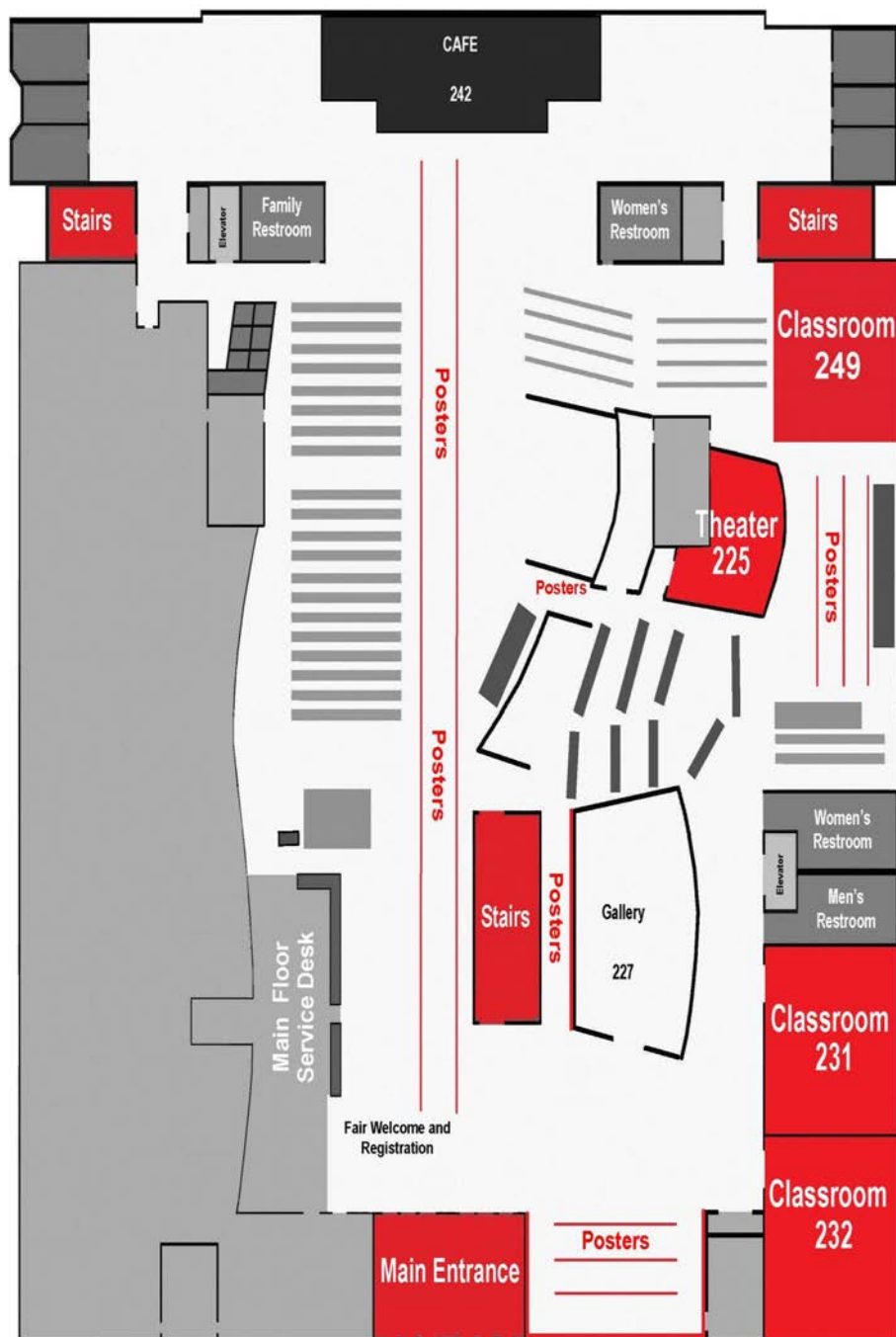
# ORAL PRESENTATIONS/PERFORMANCES

## ROOM 249

TIME	STUDENT	PROGRAM	ADVISOR
1:00 PM	Jared Brown	UG Music Performance	Melissa Berke
<i>"The Role of the Percussionist in the Andean Musical Styles of Chacarera and Zamba" (P. Kolbo)</i>			
1:15 PM	Olajide Cooper	UG Elementary Education	Julie Delkamiller
<i>"Effectiveness of Target Language Acquisition Methodology When Used with Spanish Speaking Parents of Deaf Children"</i>			
1:30 PM	Abbie Harlow	UG History	Thomas Bragg
<i>"A History of the Glacier Creek Preserve"</i>			
1:45 PM	Karen Krael	UG Biotechnology	Paul Davis
<i>"Plaque Assay of EMS exposed Toxoplasma gondii"</i>			
2:00 PM	Dalton Ellis	UG Information Assurance	Abhishek Parakh
<i>"Implementing a Matrix Based Key Exchange for Wireless Sensor Networks"</i>			
2:15 PM — 2:30 PM BREAK			
2:30 PM	Braden Rapp	UG Journalism	Jeremy Lipschultz
<i>"Validity &amp; Sentiment In Digital Marketing"</i>			
2:45 PM	Allison Domon	UG Biology	Todd Robinson
<i>"Sins of Omission"</i>			
3:00 PM	Isaiah Crum	UG Neuroscience	Paul Davis
<i>"Development of RNA Primers and TaqMAN probes for Toxoplasma BAG1 and Ribosomal protein S23"</i>			
3:15 PM	Jordan Koch	UG Elementary Education	Lisa Scherer
<i>"Students, What Are They Thinking? The Influence of Timely Feedback and Utilization of Blackboard on Student Engagement" (P. Davlin, M. Brohman )</i>			

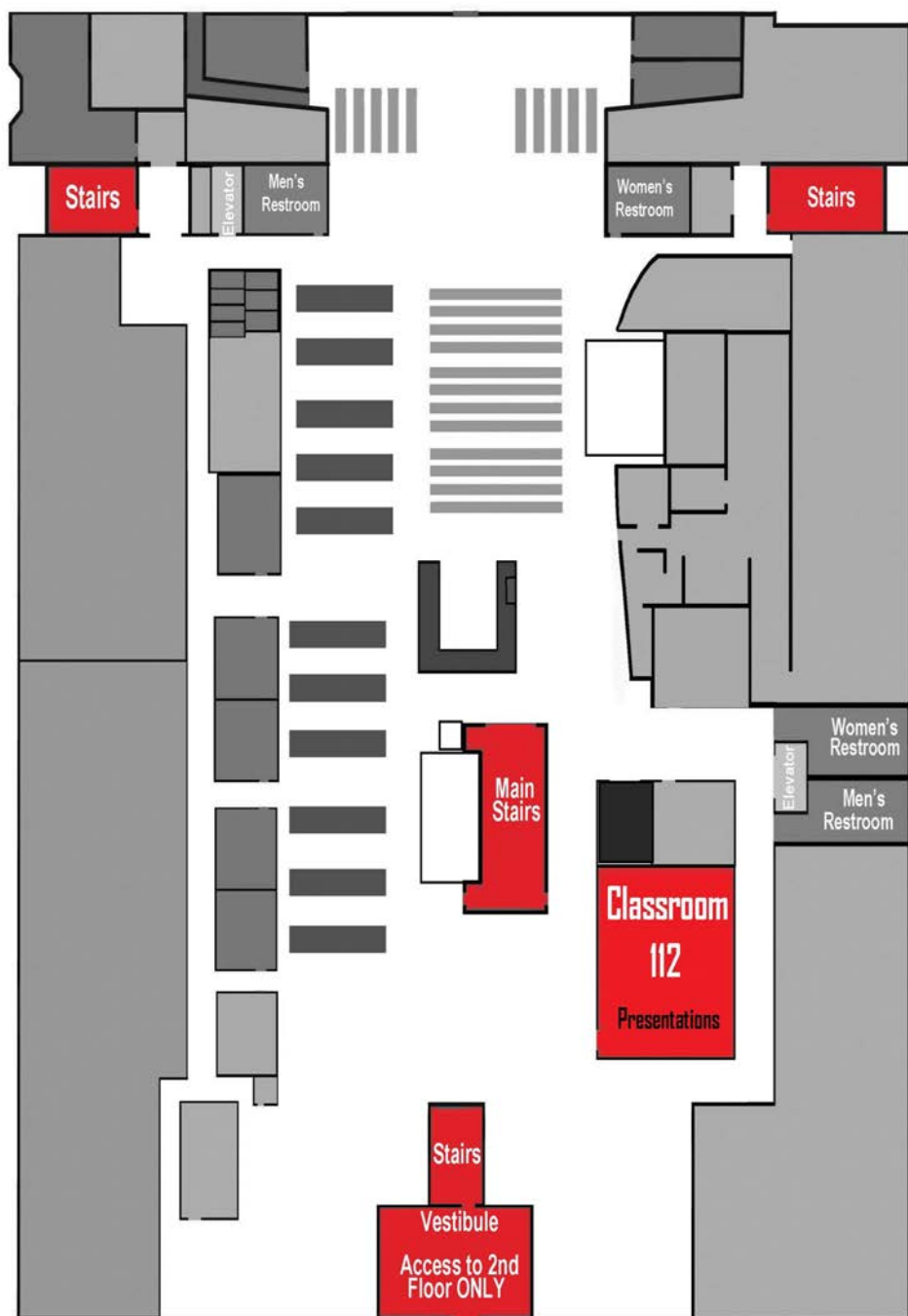
UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# CRISS LIBRARY 2nd FLOOR





# CRISS LIBRARY 1st FLOOR



# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 1 (9:00 AM — 10:30 AM)

#	STUDENT	PROGRAM	ADVISOR
100	Eric Pisciotta	GM Health, Phys. Edu. & Recreation	Jenna Yentes
	<i>"Plantar Pressure Regularity is Increased under the Lateral Forefoot in the Elderly"</i>		
102	Abhishek Tripathi	GD Information Technology	Deepak Khazanchi
	<i>"Myth or Reality? Crowdsourcing as a Complex Problem Solving Model: Evidence from Software Developed by the Crowd and Experts"</i>		
104	Chynna Jedlicka	UG Sociology	Kristin Girten
	<i>"Gender Evolution: Observing dynamic gender within China Miéville's Perdido Street Station"</i>		
106	Jocelyn King	GD Psychology	Michael Cortese
	<i>"Adult Novel Word Lexicalization" (M. Cortese)</i>		
108	Han Chen	UG Biotechnology	Christine Cutucache
	<i>"Investigating Caveolin-1 in Chronic Lymphocytic Leukemia Signal Transduction Pathway"</i>		
110	Jordan Freeman	UG Exercise Science	Jenna Yentes
	<i>"Patients with COPD Walk with a More Periodic Step Width Pattern as Compared to Healthy Controls"</i>		
112	Andrew Riquier	GM Psychology	Suzanne Sollars
	<i>"Microglia Levels in Response to Chorda Tympani Transection in Developing Rats"</i>		
114	Dilys Houser	UG Biology	Roxanne Kellar
	<i>"Taxonomic classification of an endemic Bermudian fern, using molecular and morphological data"</i>		
116	Diderik Jan Eikema	PDF Exercise Science	Mukul Mukherjee
	<i>"Locomotor adaptation to support surface perturbations is characterized by environmental decoupling"</i>		
201	Tessa Miller	GM School Psychology	Brian McKeivitt
	<i>"School-Wide Positive Behavior Support in an Alternative School Setting" (B. McKeivitt)</i>		
203	Katherine Wittler	UG Speech-Language Pathology	Shari DeVeney
	<i>"Test-Retest Reliability of Independent Phonological Measures of 2-year-old Speech"</i>		
205	Patrick Meng-Frecker	GM Mathematics	Jenna Yentes
	<i>"Feasibility of Uploading Consciousness"</i>		

UG—Undergraduate; GM—Grad. Masters; GD—Grad. Doctoral; PDF—Postdoctoral Fellow

# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 1 (9:00 AM — 10:30 AM)

#	STUDENT	PROGRAM	ADVISOR
207	Joshua Pickhinke <i>"The complexity of postural control variability while walking on an unstable support surface" (D. Eikema, M. Mukherjee)</i>	GM Exercise Science	Mukul Mukherjee
209	Praveen Kumar Digumurthi <i>"Cyber Caliphate and Technology"</i>	GM Management Info. Systems	Gina Ligon
211	Bina Ranjit <i>"Septin regulation in Candida albicans"</i>	UG Biotechnology	Jill Blankenship
213	Kimberly Lueders <i>"As Risk of Falls Increase in the Elderly, Standing Postural Control Shows Stronger Long-Range Correlations"</i>	UG Exercise Science	Mukul Mukherjee
215	Jasmine Perdue <i>"The Effectiveness of Video Modeling to Teach Social Skills To Young Adults with Autism Spectrum Disorder" (B. McKevitt, L. Kelly-Vance, T. Romero, M. Ritzman)</i>	GM School Psychology	Brian McKevitt
217	William Denton <i>"Reliability and Validity of a Locomotor-Respiratory Measurement Device"</i>	GM Exercise Science	Jenna Yentes
500	Casey Wiens <i>"A comparison of gait parameters between patients with peripheral arterial disease and patients with chronic obstructive pulmonary disease" (E. Priscotta)</i>	GM Exercise Science	Jenna Yentes
501	Brittany Conroy <i>"Design, Assessment, and In Vivo Evaluation of a Computational Model Illustrating the Role of CAV1 in CD4+ T Lymphocytes" (T. Herek, T. Shew, M. Latner, J. Larson, L. Allen, P. Davis, T. Helikar, C. Cutucache)</i>	UG Biotechnology	Christine Cutucache
503	Bianca Zongrone <i>"Individual Differences that Predict Interactions in Mixed-Initiative Teams: A Big Five Approach" (D. Derrick, G. Ligon)</i>	GD Psychology	Doug Derrick
505	Jessica Fujan-Hansen <i>"Neurovascular Changes Characterize Split-belt Adaptation in Chronic Stroke Survivors: Preliminary Results." (T. Rand)</i>	GD Health, Phys. Edu. & Recreation	Mukul Mukherjee

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 1 (9:00 AM — 10:30 AM)

#	STUDENT	PROGRAM	ADVISOR
507	Christine Harris <i>"The Effectiveness Of I-Pad Technology To Enhance Reading Fluency" (B. McKeivitt)</i>	GM School Psychology	Brian McKeivitt
509	Amanda Overgaard <i>"Mama Knows Best: Breastfeeding Knowledge and Duration in a Social Network"</i>	GM Sociology/Anthropology	Timi Barone
511	Allison Hoover <i>"Optical Flow with Roll Oscillations Affects Postural Control During Human Locomotion"</i>	UG Exercise Science	Mukul Mukherjee
513	Zane Starks <i>"Changes in Gait due to Ankle Plantar Flexor Muscle Fatigue"</i>	GM Exercise Science	Jenna Yentes
515	Kori Shea <i>"Taxonomic classification and natural history of a population of endangered Cypripedium orchids in eastern Nebraska"</i>	UG Environmental Studies	Roxanne Kellar
517	Christina Lee <i>"Analysis of spectral resolution effects for mapping invasive tamarisk across aerial and satellite imagery"</i>	GM Geography	James Hayes
519	Brianna Hendrickson <i>"Engagement Differences for 2-Year-Olds Identified as Late Talkers" (S. DeVeney)</i>	UG Speech	Shari DeVeney
520	Kyle Francis <i>"Critical Infrastructure Partnership and Cultural Study" (D. Derrick, E. Pleggenkuhle-Miles, J. Crowe)</i>	GM Business Administration	Gina Ligon
521	Lauren Peterson <i>"Generating Transcriptomes for Denisova and Neanderthal"</i>	UG Bioinformatics	Mark Pauley
701	Casey Caniglia <i>"Abnormal Breathing Strengthens Locomotor Respiratory Coupling"</i>	UG Exercise Science	Jenna Yentes
703	Andrew Arnold <i>"The contribution of the knee to the amount of gait variability"</i>	GD Exercise Science	Jenna Yentes
705	Shelly Aust <i>"Biodiversity assessment in two Nebraska prairies: comparison between phylogenetic, functional, and traditional diversity indices" (D. Ahrendsen)</i>	GM Biology	Roxanne Kellar

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 1 (9:00 AM — 10:30 AM)

#	STUDENT	PROGRAM	ADVISOR
707	Marjolyn Broek-Todd	UG Music Performance	Barry Ford
	<i>"From the Baroque Musical Period (1600-1750) to the Music Faculty of UNO (2015): Music Teachers Passing the Art of Piano Pedagogy Through the Generations"</i>		
709	Julia Temme	GM School Psychology	Brian McKevitt
	<i>"The Effects of Mand Training on Problem Behavior" (A. Lugo)</i>		
711	Roni McClellen	UG Biology	Alan Kolok
	<i>"Spatial occurrence of the herbicide atrazine in the Mississippi River: Can citizen scientists collect the data?"</i>		
713	Marissa Poe	UG Neuroscience	Suzanne Sollars
	<i>"Circumvallate papilla and taste bud morphology following lingual nerve transection"</i>		
715	Rachel Gardner	GM Political Science	Gina Ligon
	<i>"The Afghan Taliban: A Predictive Analysis"</i>		
717	Venkata Naga Pradeep Ambati	PDF Exercise Science	Mukul Mukherjee
	<i>"Preliminary Analysis of Modulation of Event-Related Desynchronization in Robot-Assisted Hand Performance: Effect of Augmented Visual Feedback and Force Adaptation"</i>		
719	Cristian Valquier	UG Chemistry	John Conrad
	<i>"Kinetic Characterization of 4-Hydroxyphenylacetate 1-Hydroxylase"</i>		
721	Susan Toth	UG Psychology	Suzanne Sollars
	<i>"Consumption Behavior of Rats Toward Saccharin and Ethanol Solutions"</i>		
723	Troy Rand	GD Exercise Science	Mukul Mukherjee
	<i>"Perception of SelfMotion using a Virtual Reality Environment Enhances Gait Adaptation in Chronic Stroke Survivors"</i>		
726	Ebrahim Abdulsattar	UG Management Information Systems	Jose Baca
	<i>"Integration Robotics and Bioinformatics in visualizing the process of decoding Amino Acid codes" (K. Bastola, J. Baca)</i>		
727	Amy Hester	UG Biotechnology	William Tapprich
	<i>"Structural Analysis of Cocksackievirus B3 by In-line Probing"</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 2 (11:00 AM — 12:30 PM)

#	STUDENT	PROGRAM	ADVISOR
101	Taylor Bailey	UG Biology	Donald Rowen
	<i>"Identification of the Targets of the Antimicrobial Peptide DASamP2 by Isolation of Pseudomonas Mutants with Increased Resistance"</i>		
103	Susannah Go	GD Information Technology	Parvathi Chundi
	<i>"Clustering Retinal Images of Age-Related Macular Degeneration"</i>		
105	Steven Harrison	PDF Psychology	Nicholas Stergiou
	<i>"The effect of structured auditory stimulation on movement human movement variability and associated cortical involvement" (M. Hough, N. Stergiou)</i>		
107	Camilla Redford	UG Elementary Education	Jessica Hagaman
	<i>"Understanding the Special Education Teacher as a General Education Teacher"</i>		
109	Jenny Kent	GD Health, Phys. Edu. & Recreation	Nicholas Stergiou
	<i>"Amputee Step Activity is Correlated to Stride-to-Stride Fluctuations at the Ankle" (J. Renz, W. Korgan, S. Myers, N. Stergiou, S. Wurdeman)</i>		
111	Mithra Pirooz	GM Psychology	Jonathan Santo
	<i>"Gender typicality and popularity: Relationships among felt pressure, intergroup biases, and contentment" (J. Santo, W. Bukowski)</i>		
113	Terry Laursen	GM Exercise Science	Dustin Slivka
	<i>"Local skeletal muscle heating and cooling impacts PGC-1<math>\beta</math>, but not PGC-1<math>\alpha</math> expression after resistance exercise" (M. Heesch, B. Hassenstab, D. Slivka)</i>		
115	Makenzie Petersen	UG Engineering	James Taylor
	<i>"Project HALON" (C. Largent, D. Kilzer, K. Taylor, T. Rowley)</i>		
117	Kokou Kanley	UG Chemistry	James Hagen
	<i>"Synthesis of botulinum neurotoxin inhibitors"</i>		
200	Bryon Applequist	GD Exercise Science	Sara Myers
	<i>"A comparison of baseline lower extremity muscle function differences in patients with PAD and healthy controls." (S. Myers)</i>		
202	Sara White	UG Women's & Gender Studies	Sharon Wood
	<i>"Probate Inventories: A Window into the Lives of Free African American Men and Women before the Civil War"</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 2 (11:00 AM — 12:30 PM)

#	STUDENT	PROGRAM	ADVISOR
204	Matthew Bubak	GM Health, Phys. Edu. & Recreation	Dustin Slivka
	<i>"The effect of the muscle biopsy procedure on blood flow and tissue oxygenation" (L. Williams, D. Slivka)</i>		
206	Ryan Anderson	GM Economics	Christopher Decker
	<i>"Incentivizing Energy Efficiency in Rental Properties"</i>		
208	Aaryn Mustoe	GD Psychology	Jeffrey French
	<i>"Exploring the Presence of the Catechol-O-Methyltransferase (COMT) Polymorphism in Marmosets and its Potential Influence on Prosocial Behavior"</i>		
210	Alli Kalina	UG Exercise Science	Sara Myers
	<i>"Strength Profiles Following Supervised Treadmill Exercise Treatment in Peripheral Arterial Disease" (R. Hasenkamp, S. Wurdeman, J. Johanning, I. Pipinos)</i>		
212	Annesha Mitra	GM Criminology & Criminal Justice	Jonathan Santo
	<i>"Aspects of the relationship context as an additional strategy of self-continuity: The roles of family and peers in emerging adults" (J. Santo)</i>		
214	Julia Rawsley	GM Business Administration	Erin Pleggenkuhle-Miles
	<i>"Student-led research studies in the CBA Koraleski Commerce and Applied Behavior Lab" (M. Townsend)</i>		
216	Nadiyah Wahba	UG Neuroscience	Rosemary Strasser
	<i>"Short-Term and Cumulative Life Stress in Mature Zebra Finches Based on Rearing Condition: Responses and Influence on Sexually Selected Traits"</i>		
502	Mackenzie Harms	GD Psychology	Roni Reiter-Palmon
	<i>"Information Seeking: The Role of Information Search in Creative Problem-Solving"</i>		
504	Daniel Harris	GD Psychology	Roni Reiter-Palmon
	<i>"Solving Puzzles and Problems" (R. Reiter-Palmon)</i>		
506	Hyunjae Jeon	GM Athletic Training	Adam Rosen
	<i>"Ankle Degenerative Joint Disease in a 23 year old male basketball player" (M. Nicola, M.L. McGrath, A.B. Rosen)</i>		
508	Robert Shute	GM Exercise Science	Dustin Slivka
	<i>"Human Gene Response to Exercise in a Cold Environment" (M. Heesch, T. LaSalle, M. Bubak, T. Laursen, N. Dinan, D. Slivka)</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 2 (11:00 AM — 12:30 PM)

#	STUDENT	PROGRAM	ADVISOR
510	Molly Schieber	GM Health, Phys. Edu. & Recreation	Sara Myers
	<i>"Gait Biomechanics Are Not Improved Following Supervised Treadmill Exercise in Patients with Peripheral Arterial Disease" (B. Applequist, S. Wurdeman, I. Pipinos, J. Johanning)</i>		
512	Kristen Snyder	GM Psychology	Rosemary Strasser
	<i>"The Effects of Human Emotions on Dogs' Social Cognitive Performance and Hormone Levels"</i>		
514	Jonathan Acosta	UG Biology	Rosemary Strasser
	<i>"Do Differences in Rearing Conditions Influence Immune Function in Zebra Finches?" (R. Strasser)</i>		
516	Madeline Holscher	UG Neuroscience	Sara Myers
	<i>"Amount of Step Width Variability is Increased in Patients with Peripheral Arterial Disease" (B. Arnold, S. Wurdeman, J. Yentes, J. Johanning, I. Pipinos, S. Myers)</i>		
518	Grace Rich	UG Neuroscience	Tomas Helikar
	<i>"Cell Collective: an interactive modeling resource for the scientific community"</i>		
522	Jacob Lindgren	UG Computer Science	Ann Fruhling
	<i>"'White Powder' – Is it Harmful or Not?"</i>		
523	Robert Campbell	UG History	Jeanne Reames
	<i>"Analyzing Minoan Identity"</i>		
524	Chelsea Ross	UG Elementary Education	Michael Matthews
	<i>"Effects of 3D video gaming on Visual Spatial awareness"</i>		
601	Sarah Gaughan	GM Biology	Guoqing Lu
	<i>"Population Structure and Habitat Use of Macrhybopsis Chubs in the Missouri River" (J. Wang, R. Stasiak, K. Steffensen, G. Lu)</i>		
700	Michael Hough	GM Exercise Science	Sara Myers
	<i>"Improving Elderly Gait Using a Structured Auditory Stimulus" (S. Myers, N. Stergiou)</i>		
702	Jacquelyn Davis	GD Psychology	Suzanne Sollars
	<i>"Characterization of Innate Immune Response in the Neonatal Rat Tongue Following Peripheral Nerve Injury" (S. Sollars)</i>		
704	Benjamin Hochfelder	UG Neuroscience	Jeffrey French
	<i>"Investigating Intra-Species Genetic Variation in the Glucocorticoid Receptor Gene of Marmoset Monkeys" (D. Ren, J. French)</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 2 (11:00 AM — 12:30 PM)

#	STUDENT	PROGRAM	ADVISOR
706	Taylor La Salle	GM Exercise Science	Dustin Slivka
	<i>"Physiological demands of riding an electric-assist bicycle" (M. Heesch, R.J. Shute, N. Dinan, M. Bubak, T. Laursen)</i>		
708	Sepehr Khalili-Tari	UG Psychology	Jonathan Santo
	<i>"Differences in inspiration between offspring of bipolar parents and a control group"</i>		
710	Nicholas Lempke	UG Exercise Science	Anastasia Kyvelidou
	<i>"Children's looking preference for biological motion may be related to an affinity for mathematical chaos" (A. Kyvelidou, J. Haworth, N. Stergiou)</i>		
712	Abbie Kretz	GM Sociology	Lourdes Gouveia
	<i>"Wage Theft in Nebraska"</i>		
714	Colleen Hochfelder	UG Biotechnology	Tomas Helikar
	<i>"A Computational Framework to Identify Novel Applications for Existing Drugs" (L. Allen, T. Helikar)</i>		
716	Xuan Liu	GD Exercise Science	Sara Myers
	<i>"Improvements in joint torques and powers before and after surgery for patients with peripheral arterial disease." (S. Wurdeman)</i>		
718	Sayonnha Mandal	GD Information Assurance	Robin Gandhi
	<i>"A Framework for Analyzing Federal Regulations for Information Security" (R. Gandhi, H. Siy)</i>		
720	Collin LeFrois	UG Biology	Mark Schoenbeck
	<i>"The Impact of a Virescent-like Mutation on Carbon and Nitrogen Metabolism in Glechoma hederacea" (P. R. Kellar)</i>		
722	Katherine Fickle	UG Engineering	Ece Erdogmus
	<i>"Nondestructive Testing and Finite Element Analysis for a Collapsed Temple"</i>		
724	Kevin Mitchell	GM Psychology	Roni Reiter-Palmon
	<i>"The Impact of Tolerance for Ambiguity on Creativity" (M. Harms)</i>		
725	Elliott Barber	GM Psychology	Lisa Scherer
	<i>"Malevolent Responses to Team Exile" (K. Mitchell, L. Scherer)</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 3 (2:00 PM — 3:30 PM)

#	STUDENT	PROGRAM	ADVISOR
300	Austin Bundy	UG Psychology	Lisa Scherer
	<i>"Scholarly Engagement: A Study on Applied Research to Help Homeless Shelter Volunteers" (J. Allen)</i>		
301	Nicholas Dinan	GM Exercise Science	Jung-Min Lee
	<i>"Validity of Optical Blood Flow Heart Rate Monitors" (J. Lee, D. Dinkel, H. An, M. Bubak, Y. Kim)</i>		
302	Brittney Tweedy	UG Biology	Jodi Kreiling
	<i>"The Binding Associations of the Mannose 6-Phosphate/Insulin-Like Growth Factor 2 Receptor"</i>		
303	Skyler Brooke	GM Physical Activity in Health Promotion	Jung-Min Lee
	<i>"Validity of wearable physical activity monitors during activities of daily living."</i>		
304	Megan Norton	GM School Psychology	Lisa Kelly-Vance
	<i>"Play Assessment and Intervention Systems: A Comparative Review" (W. Jelinek, L. Kelly-Vance)</i>		
305	Whitley Jelinek	GM School Psychology	Lisa Kelly-Vance
	<i>"Using Facebook to Support Graduate Students and Alumni" (M. Norton)</i>		
306	Lacey Batt	GM Physical Activity in Health Promotion	Danae Dinkel
	<i>"Girls, Inc. Mentor Physical Activity Interest Survey"</i>		
307	Harrison LeFrois	UG Mathematics	Robert Todd
	<i>"Khovanov homology and wrap-arounds: looking for patterns"</i>		
308	Stacy Hartwig	GM Exercise Science	Kris Berg
	<i>"A Comparison of Four Foam Roller Treatment Protocols on Hamstring Flexibility"</i>		
309	Elizabeth Olree	UG Geology	Harmon Maher
	<i>"Stratigraphic Analysis of Synsedimentary Half Grabens in the White River Group of NW South Dakota"</i>		
310	Andrew Prine	GM School Psychology	Lisa Kelly-Vance
	<i>"Increasing Compliance Using Operant Motivation and Direct Skills Instruction"</i>		
311	Alyssa Keill	GM Physical Activity in Health Promotion	Jung-Min Lee
	<i>"Validity of Wearable Activity Monitors for Estimation of Resting Energy Expenditure in Adults." (D. Dinkel, J. Lee)</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 3 (2:00 PM — 3:30 PM)

#	STUDENT	PROGRAM	ADVISOR
312	Megan Catlett	UG Exercise Science	Steven Harrison
	<i>"The Effect of Structured Rhythmic Auditory Stimuli on the Performance of a Repetitive Hammering Task" (N. Stergiou, S. Harrison, D. Eikema)</i>		
313	Madison Mapes	UG Business Administration	Alan Gift
	<i>"The Use of Polyvinyl Alcohol and Polyacrylic Acid to Inhibit the Hydrate Transformation of the Drug Theophylline"</i>		
400	David Kocsis	GD Information Technology	Gert-Jan de Vreede
	<i>"A Theory of Ethical Concerns and Considerations in Crowdsourcing"</i>		
401	Chun-Kai Huang	GD Exercise Science	Ka-Chun Siu
	<i>"A Conceptual Model for Gait Maintenance in Patients with Diabetes" (K. Siu)</i>		
402	Brandon Bischoff	UG Exercise Science	Steven Harrison
	<i>"Manipulations of the style of locomotion affects both the kinesthetic and visual perception of distance traversed"</i>		
403	Abhishek Bhati	GD Public Administration	Angela Eikenberry
	<i>"Feeding the Poor: The Portrayal of Destitute Children in the Fundraising Campaigns of NGOs in India" (A. Eikenberry)</i>		
404	Philip Simmons	GM Psychology	Carey Ryan
	<i>"Management Support, Employee Cynicism, and Diversity Training Effectiveness" (M. Cerizo, A. Folberg, C. Ryan)</i>		
405	Hyun-Sung An	GD Health, Phys. Edu. & Recreation	Jung-Min Lee
	<i>"Validity of the iHealth-BP7 and Withings-BP800 self-measurement blood pressure monitors" (M. Bubak, D. Dinkel, D. Slivka, J. Lee)</i>		
406	Benjamin Gadzinski	UG International Studies	Patrick McNamara
	<i>"The Impact of Sustained Dialogue on International Students' Experiences"</i>		
407	Kailey Snyder	GM Physical Activity in Health Promotion	Danae Dinkel
	<i>"Perceptions of Classroom Physical Activity"</i>		
408	Clayton Juarez	GD Psychology	Carey Ryan
	<i>"Pac-Man and Paradoxical Motivation: A Re-examination of the Effects of Regulatory Focus and Feedback Type on Motivation" (C. Ryan, W. Harrison, K. Tsai, J. Koleszar)</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 3 (2:00 PM — 3:30 PM)

#	STUDENT	PROGRAM	ADVISOR
409	<b>Taylor Gehringer</b>	<b>GM Psychology</b>	<b>Carey Ryan</b>
	<i>"Where do I fit in? Gender Differences and Barriers to Interest and Perceived Belonging in Science Careers" (I. French, C. Juarez, C. Ryan)</i>		
410	<b>John Riley</b>	<b>UG Biotechnology</b>	<b>Jodi Kreiling</b>
	<i>"Binding interactions of the Mannose 6-phosphate/Insulin-like growth factor 2 receptor subdomains" (B. Tweedy)</i>		
411	<b>Clare Maakestad</b>	<b>GM Sociology</b>	<b>Thomas Sanchez</b>
	<i>"Capital and the Ecological Crisis of the Twenty-First Century: Capitalism's Impact on Nature in Marx and Engels's Theory and Today"</i>		
412	<b>Trish Finks</b>	<b>GM Special Education</b>	<b>Phillip Nordness</b>
	<i>"Convergent and Criterion Related Validity of the Behavioral and Emotional Rating Scale-Second Edition as Translated into Lithuanian" (P. Nordness)</i>		
413	<b>Mitch Dredla</b>	<b>UG Psychology</b>	<b>Lisa Scherer</b>
	<i>"Volunteers Working in Non-profit Organizations Serving Animal Welfare" (J. Allen)</i>		
525	<b>Jake Cunningham</b>	<b>UG Psychology</b>	<b>Lisa Scherer</b>
	<i>"A study exploring volunteer satisfaction within a formal religious institution" (J. Allen)</i>		
526	<b>Alicia Reyes</b>	<b>UG Psychology</b>	<b>Claudia Rauter</b>
	<i>"Energy Demands of Reproduction in Burying Beetles"</i>		
527	<b>Nicholas Reynolds</b>	<b>UG Exercise Science</b>	<b>Steven Harrison</b>
	<i>"Information about how another person is moving through the environment is conveyed in the movements of their limbs." (S. Harrison, N. Stergiou)</i>		
528	<b>Zachary Motz</b>	<b>GM Exercise Science</b>	<b>Anastasia Kyvelidou</b>
	<i>"Perception of Complex Movement in Typically Developing Children and Children With Autism Spectrum Disorder" (J. Haworth, A. Kyvelidou, W. Fisher, N. Stergiou)</i>		
529	<b>Jasmine Genovesi</b>	<b>UG Exercise Science</b>	<b>John Noble</b>
	<i>"Physical Activity Intervention Using Point-of-Decision Prompts"</i>		
530	<b>Christa Pier</b>	<b>UG Art History</b>	<b>Amy Morris</b>
	<i>"Louis Grell: The Lost Murals"</i>		

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# POSTERS/EXHIBITS/DEMONSTRATIONS

## SESSION 3 (2:00 PM — 3:30 PM)

#	STUDENT	PROGRAM	ADVISOR
531	Julian Egger	UG Bioinformatics	Guoqing Lu
	<i>"A Bioinformatics System for the Prediction of Genetic Events in Asian Carp Hybridization"</i>		
532	Josiah Krutz	UG Information Assurance	Kenneth Dick
	<i>"A More Secure Means of User Authentication through USB Devices"</i>		
533	Nathan Cornelius	UG Mathematics	Vyacheslav Rykov
	<i>"Proof of Concept Implementation of Elliptic Curve Cryptography Using the El-Gamal Algorithms"</i>		
600	Gerard De Leoz	GD Information Technology	Lisa Scherer
	<i>"To Share or Not to Share: Measuring Knowledge Sharing Motivations in a Crowdsourcing Environment" (A. Alothaim, L. Scherer)</i>		
602	Scott Wissing	GM Health, Phys. Edu. & Recreation	Danae Dinkel
	<i>"Assessing Reliability of a Questionnaire that will Assess Teacher Education Students' Preparedness to Implement Physical Activity into the Classroom"</i>		
603	Adam Thurley	GM Psychology	Lisa Scherer
	<i>"The Role of Poor Sleep Quality in Producing Incivility at Work Among Working College Students"</i>		
604	Andrea Bradley	GM Social Work	Christiana Bratiotis
	<i>"A Tool for Accurate and Informative Behavioral Health Workforce Analysis"</i>		
605	Joel Hachiya	UG Biology	Claudia Rauter
	<i>"Thermal Tolerance in Burying Beetles"</i>		
606	Byron Korf	UG Chemistry	Alan Gift
	<i>"Quantifying Free and Total Glycerine in Biodiesel"</i>		
607	Lauren Bowman	UG Exercise Science	Sara Myers
	<i>"Improved Prosthetic Gait Following Amputee-Specific Physical Therapy" (W. Korgan, J. Renz, S. Wurdeman)</i>		

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