

4-1-2009

Second Annual Graduate Student Research Symposium [Program], 2009

University of Northern Iowa

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Second Annual



Graduate Student Research Symposium

Wednesday, April 1, 2009

Gallagher-Bluedorn Performing Arts Center

Creative Performances

10:00 a.m. - 12:00 p.m.

The Great Hall

Keynote Address

by Dr. Gregory Colón Semenza

2:00 p.m.

The Great Hall

Poster Presentations

Welcome by President Benjamin Allen

3:00 p.m. - 5:00 p.m.

McElroy Lobby

The UNI Graduate College Presents

The Second Annual

Graduate Student Research Symposium

**Schedule and
Table of Contents**

Welcome Letter from Dr. Sue Joseph

Judges

Page ii

Creative Performances

Welcome by Dr. Sue Joseph

10:00 a.m. - 12:00 p.m.

Presentation of awards following

Participant Information - in order of performance

Pages iii - iv

Keynote Address

2:00 p.m.

Dr. Gregory Colón Semenza

Biographic Information

Page v

Poster Presentations

Welcome by President Benjamin Allen

3:00 p.m. - 5:00 p.m.

Presentation of awards following

Participant Information - by College, Program, Last Name

Pages v - xv

Acknowledgements & Notes

xvi

Page i

Greetings from the Graduate College,

It is my great pleasure to welcome you to the Second Annual Graduate Student Research Symposium at the University of Northern Iowa. This event showcases the depth and breadth of our graduate students' research and creativity. Graduate education at UNI is recognized regionally, nationally, and internationally for preparing our students to be leaders in professional work and continued graduate study, by committed faculty who are recognized for outstanding teaching, distinguished research, and service to the professions and to the worldwide community.

We are proud to offer graduate students a world-class graduate education with a personalized experience. As an alumna of UNI, both graduate (MA, 1987) and undergraduate (BA, 1981), the education I receive here provided me with amazing opportunities. For all of our graduate students who are presenting their work today, I wish you much continued success. And to our graduate faculty and administrators, I thank you for your continued generous commitment to quality graduate education at the University of Northern Iowa.

Sue A. Joseph, Ph.D.

Professor and Interim Dean, Graduate College

Judges

Creative Performances

Dr. Lathon Jernigan, Emeritus Faculty
College of Humanities and Fine Arts / Music

Dr. George F. Day, Emeritus Faculty
College of Humanities and Fine Arts / English Language and Literature

Poster Presentations

Dr. Joel Haak, Dean, College of Natural Sciences

Dr. Judith F. Harrington, Emeritus Faculty
College of Humanities and Fine Arts / Communicative Disorders

Dr. William L. Waack, Emeritus Faculty
College of Education/Curriculum and Instruction

Creative Performances - 10:00 a.m. - The Great Hall

10:00 a.m. - Billy LeGrand

Music History (M.M.)

Russia

- Dr. Rebecca Burkhardt

Written in response to studying in Russia in 2001 as an undergraduate student at UNI, I have revised my composition "Russia" to reflect upon my return here. A waltz, in ABA form, "Russia" represents my attempt to merge my experience of Russian classical music and folk songs with modern jazz.

10:12 a.m. - Easton Stuard

Jazz Pedagogy (M.M.)

Morning in the Field

- Dr. Rebecca Burkhardt

Ensemble Members: Mary Hinman,

Cory McBride, Peter Roberts, Tim Sanders, Andrew Thoreen, Chris Walck

I wrote *Morning in the Field* during my second year as a grad student in the Jazz Pedagogy Major. Its melody is built on two synthetic scales created in the Advanced Jazz Improvisation class, and its form is designed to be flexible enough to accommodate different soloists' goals.

10:24 a.m. - Sarah Duvel

Performance: Voice (M.M.)

Meyerbeer and Rodrigo: From French Grand Opera to Spanish Love Songs

- Dr. Jean MacDonald

Accompanist: Dr. Korey Barrett

The performance begins with an aria from Meyerbeer's beloved French opera, *Les Huguenots*: "Nobles Seigneurs, Salut!" sung by the boy page Urbain.

Following the aria will be two selections from Rodrigo's Spanish song cycle *Cuatro Madrigales Amatorios*: "¿Con qué la lavaré?" and "¿De dónde venís, amore?"

10:36 a.m. - Matthew Andreini

Performance: Percussion (M.M.)

Emmanuel Séjourné - Concerto pour vibraphone & orchestre à cordes, II.

Energetic et Agressif

- Dr. Randy Hogancamp

This performance of Emmanuel Séjourné's Concerto pour vibraphone & orchestre à cordes explores the expressive capabilities of the vibraphone. Séjourné's composition features a variety of extended techniques juxtaposed with a modern harmonic language, creating a unique work which represents the capacity of modern vibraphone composition.

10:48 a.m. - Vladimir Tkachenko

Performance: Viola (M.M.)

V. Persichetti Parable for Solo Viola #16 op. 130

- Dr. Julia K. Bullard

Parable for Solo Viola #16 op. 130 is from a series works by one of the most famous composers in American music of the 20th century, Vincent Ludwig Persichetti. The work is particularly idiomatic for the viola, and is full of technical effects, varied colors, tempi, and dynamics, and rich and complex harmonic language.

11:00 a.m. - Daniel Rowland

Music (M.A.)

New Acoustic Metal Experiment (NAME)

- Dr. Jeffrey Funderburk

Ensemble Members: Danny Fitzgerald,
Aaron Hynds, Joe Kopacz

The New Acoustic Metal Experiment will perform two arrangements created by members of the quartet following the genre "The New Wave of American Heavy Metal." They will perform "Thunderhorse" by the band Dethklok and "Kirisute Gomen" by the band Trivium.

11:12 a.m. - Yulia Vorobyeva

Spanish (M.A.)

Salsa Dancing

- Dr. Juan Carlos Castillo

Partner: Sergio Lopez

Salsa is a dance originating from the NYC Caribbean community in the 1960s; this later developed into Salsa Explosion in the 1970s. Nowadays, salsa incorporates multiple styles and variations and can be found across the globe. You will see Yulia Vorobyeva and Sergio Lopez performing LA style of Salsa here.

11:24 a.m. - Nicole Davis

Performance: Flute (M.M.)

Elizabeth Brown Trillium for solo flute; Master of Music Flute Recital

- Dr. Angeleita Floyd & Dr. Rebecca Burkhardt

Works performed on this Master of Music Flute Recital are C. P. E. Bach's Trio Sonata in E Major, Wq. 162, H. 580 for two flutes, continuo and keyboard, Theobald Boehm's *Grand Polonaise* in D Major, op. 16, Ian Clarke's *Orange Dawn*, Elizabeth Brown's *Trillium* for solo flute and Dutilleux's *Sonatine*

11:36 a.m. - Carmelita Guse

Performance: Voice (M.M.)

Four Mélodies by Ernest Chausson

- Dr. Jean McDonald

Accompanist: Kyung Lee

The program consists of French mélodies by the French composer Ernest Chausson in the following order: Les papillons (The Butterflies), Sérénade italienne (Italian Serenade), Hébé (Hébé), and Le colibri (The Hummingbird).

11:48 a.m. - Laura Reeder

English: Creative Writing (M.A.)

Small, White Boxes

- Dr. Samuel Gladden

A girl's first menstruation is supposed to be a magical time of change, when the caterpillar emerges from the cocoon. But what happens when you're left to face it alone? A short story in performance.

Keynote Address - 2:00 p.m. - The Great Hall

Preparing Scholars: From the Academy to the Real World

Dr. Gregory Colón Semenza

Cosponsored by the Graduate College and the College of Humanities and Fine Arts.

Gregory Colón Semenza is Associate Professor of English and Director of English Graduate Studies at the University of Connecticut where he has worked since 2001. He earned his Ph.D. in Renaissance Literature at Pennsylvania State University where he also taught courses ranging from Business Writing to Shakespeare. Dr. Semenza has won University of Connecticut's two most prestigious teaching awards: The AAUP's Excellence Award for Teaching Promise and the 2005 University Teaching Fellows Award.

Dr. Semenza is the author of *Graduate Study for the Twenty-First Century: How to Build an Academic Career in the Humanities* (Palgrave, 2005). His other books include *Sport, Politics, and Literature in the English Renaissance* (University of Delaware Press, 2003) and, with Laura I. Kuoppers, *Milton in Popular Culture* (Palgrave, 2006).

Poster Presentations - 3:00 p.m. - McElroy Lobby

College of Education

Jennifer Hall

Community Health Education (Ed.D.)

Understanding Environmental Health Disparities of Roma Populations in Romania

- Dr. Catherine Zeman

Using qualitative research methodology with participatory methods, this study aims to gain a deeper, more complex, and nuanced understanding of how Dallas, a Roma community living off a landfill outside Cluj-Napoca, Romania, make sense of and cope with the environmental conditions under which they have been forced to live.

Rosemary Geiken

Curriculum and Instruction (Ed.D.)

Testing Ideas and Solving Problems: A Qualitative Study of Infants and Toddlers Actions on Objects

- Dr. Linda Fitzgerald

This qualitative study looked at problem solving that 18- to 24-month old children demonstrated when given materials (spheres and cylinders of various sizes) that invited experimentation. Results from this study can inform infant/toddler curriculum development.

Hou Chun Kuong

Curriculum and Instruction (Ed.D.)

An Exploratory Case Study of Students' Perceptions of Online Graduate Education

- Dr. Radhi Al-Mabuk

This study investigates students' perceptions of quality of online learning by examining their motivation and sense of membership in an online learning community.

Yi-Hsuan Lee

Curriculum and Instruction (Ed.D.)

A Case Study of Taiwan's Changing Language Curriculum

- Dr. Robert Boody

This study investigates the reasons for the curriculum and policy changes in Taiwan. The importance of this study is that it examines the claims around this language curriculum and policy issues as rhetorical analysis, but applies the findings to a real situation for practical needs in politics and education.

Lois Lindell

Curriculum and Instruction (Ed.D.)

Investigating Student Growth in Spatial, Social Studies, and Organizational Skills during a Social Studies Methods Project on Cereal Box Dioramas of Native American Culture

- Dr. Audrey Rule

This study examines the changes and growth in preservice elementary teachers as they engage in making cereal box dioramas of Native American cultures for use with fifth grade students. The study investigates qualitative student responses to a questionnaire about their challenges and successes during the making of a model diorama.

Pema Yangchen

Curriculum and Instruction (Ed.D.)

Teacher Learning in a Tibetan School in Exile: A Community of Practice Perspective

- Dr. Linda May Fitzgerald

This qualitative study explored teacher learning in a small community of English language teachers in a rural Tibetan school in India. From a community of practice perspective teachers were studied in terms of what they practiced, what challenges they faced and how they interacted and learned from and with each other.

John Hanson

Educational Leadership (Ed.D.)

The Curriculum Concerto

- Dr. Nicholas J. Pace

The Curriculum Concerto is a working paper that suggests the fragmented nature of the lived school experience, especially at the High School, is an impediment to student learning and satisfaction. Reinforcing themes across disciplines is a practical solution.

Li-Ming Chiang Leisure, Youth and Human Services (Ed.D.)
A Contextual Analysis on Post Education Issues and Policies in Taiwan Education System

- Dr. Samuel Lankford

The study is to examine recently discussed issues on the evaluation, examination, and debatable issues in post education policies in Taiwan. In addition, the study used a context analysis analyzing the debatable issues on changes of college entrance exams and education reform movement in Taiwan.

Puyong Choi Leisure, Youth and Human Services (Ed.D.)
A Review of the Leisure Studies in Korea by Content Analysis of Professional Journals from 1998 to 2007

- Dr. Samuel Lankford

This presentation shows the contemporary issues and research trends in leisure studies in Korea over the ten years. Content analysis was used to review the research papers from the secondary data, for which 126 articles were selected. This study might be contributed to both the field of academics and industry.

Germaine Jackson Leisure, Youth and Human Services (Ed.D.)
How Can Leisure Provide Coping Mechanisms for Adolescence Struggling with Post-Traumatic Stress Disorder? A Case Study of Hurricane Katrina

- Dr. Rodney Dieser

The late twentieth and twenty-first centuries have witnessed more than their share of cataclysmic events, both natural and man-made: Indian Ocean undersea earthquake, An earthquake shook Sichuan Province, China, Murders at Columbine High School in Colorado, Attacks of September 11, 2001, Hurricane Katrina hits the U. S. Gulf coast 2005.

Leila Rod-Welch Leisure, Youth and Human Services (Ed.D.)
Leisure and Aging: A Content Analysis of Twenty Leisure Textbooks

- Dr. Radhi Al-Mabuk & Dr. Kathleen Scholl

This study reviews leisure textbooks regarding aging. Aging appears to be a taboo concept in most leisure textbooks as most leisure textbooks do not address the issue of aging.

Jiangong Tan Leisure, Youth and Human Services (Ed.D.)
Dragon and Phoenix: Educational Selection in China

- Dr. Sam Lankford

This study employed the method of context analysis to analyze why school-selection has become a social issue in urban areas of China since the early 1990s. The paper comprises five sections: (1) Introduction, (2) Evolution of Chinese school-selection, (3) Case studies regarding school-selection in urban areas in China today, (4) Issues and discussion, and (5) Conclusion.

Winnie Wing-Sze Wong Leisure, Youth and Human Services (Ed.D.)

The Role of "Play" at the Education System in Hong Kong

- Dr. Sam Lankford

The purpose of this presentation is to examine the role of "play" is the primary school settings in Hong Kong. Focusing on debates about the concept of play in curriculum, the researcher conceptualizes the school as an open space where tensions between the platform of "learning through play" and the devaluing of play culture in reality.

Holli Hungerford

Special Education (M.A.E.)

The Effectiveness of an Active Learning Device to Teach Alphabet Recognition Skills to Preschool Children

- Dr. Donna Raschke

This presentation looks at a device, the D-Tektor electric maze, which encourages active learning and also serves as a self-correcting device. Results supported the hypothesis that after being taught alphabet letters using the electric maze, the student's recognition of upper and lower case alphabet letters would also increase.

Michelle Kuhn

Special Education (M.A.E.)

The Effect of Teaching Social Skills on the Interactive Play of 4 Year-olds Enrolled in a Christian-centered Preschool

- Dr. Donna Raschke & Dr. Frank Kohler

I created a buddy skills intervention package. The intervention package was comprised of three teaching procedures: preteaching, modeling and praise. A student displaying negative social behaviors was paired with a peer and together with the researcher they worked to improve social skills.

Tonya Keefer

Specialist in Education: School Psychology (Ed.S.)

Middle School Teachers' Experiences with Differentiated Instruction and its Corollary Effects on Students' School Attitude

- Dr. Kathryn East

This presentation incorporated a mixed methods design to examine how middle school teachers' experience differentiated instruction as they implement it into their classrooms and its corollary effects on student attitudes towards school over one semester. Preliminary results will be available and discussed.

College of Humanities and Fine Arts

Hue Duong Trong

Communication Studies (M.A.)

Communication Strategies in Non-governmental Organizations

- Dr. April Chatham Carpenter

The researcher looked at the differences in NGOs' communication strategies in relation to the NGOs' levels of operation and functional roles. The purpose of the study was to specify the important implications deriving from the relationships between the NGOs' typologies and their communication strategies.

Maria del Pilar Montoya Communication Studies: Public Relations (M.A.)
Communication Dimensions of Supervisor-subordinate Conflict: Perceptions by Subordinates of Sex/Gender Differences in Supervisors' Conflict Strategies

- Dr. April Chatham-Carpenter

This presentation compares differences between male and female subordinates' perceptions about their supervisors' conflict strategies in a sample of students from a Midwestern state university. Results indicates that subordinates similarly perceive supervisors' levels of "nonconfrontational" and "solution-orientation" strategies, but female subordinates perceived a higher level of "control" strategies than males.

Amanda Green Teaching English to Speakers of Other Languages (M.A.)
Effective Strategies and Methods for Teaching English in an EFL Setting Without a Common Language

- Dr. Joyce Milambiling

This presentation shows what teaching strategies and methods in particular are the most effective when teaching English abroad when the teacher does not speak the students' first language. Interviews, observations, and a review of the literature explore the possibilities for language learning and teaching when the teacher and students come from different linguistic and cultural backgrounds.

College of Natural Sciences

Amanda Foley

Applied Physics (P.S.M.)

Nanostructures in 2 Dimension Materials

- Dr. Tim Kidd

This project focuses on the nanoscience of growing and analyzing the chemical and structural features of in crystals. Using predetermined amounts of chemical ingredients a hypothesized stoichiometry is calculated, and then compared to the actual composition of materials. The results are then used to further modify samples and progress the field of materials science.

Sean Hartnett

Biology (M.S.)

Molecular effects of Metolachlor on Human Cells

- Dr. Kavita Dhanwada

I'm working with CyQUANT assay which is based on the measurement of DNA using a fluorescent dye. In cells, DNA content is closely proportional to cell number. By looking at the DNA content after several points in time, we will be able to see if metolachlor alters cell growth.

Justin Huisman

Biology (M.S.)

The Effects of Planting Methods and Granivory on Seedling Emergence and Establishment in a Tallgrass Prairie Reconstruction

- Dr. Daryl Smith

A high level of establishment and growth of prairie species is crucial to successful prairie reconstruction projects. Poor establishment is often the result of insufficient seed and inadequate seed-to-soil contact at the time of germination. This ecologically based research project investigates how prairie establishment is effected by granivory (eating of seed by animals) and different methods of planting the seed.

Jessica Kettleison

Biology (M.S.)

Genetic Transformation of Hop for the Production of Phytopharmaceuticals

- Dr. Axel Schwekendiek

In this study, I examine the biotechnological production of the anti-cancer compound Xanthohumol in transgenic hop (*Humulus Lupulus*) by over-expressing structural genes and transcription factor genes in the plant. I expect a significant increase in Xanthohumol content that could boost phytopharmaceutical applications of hop extracts.

Nicholi Pitra

Biology (M.S.)

Quantitative Transcriptome Analysis of the Hop Glandular Trichome

- Dr. Axel Schwekendiek

With the discovery of Xanthohumol (anti-carcinogen) and 8-prenylnaringen (hormone therapy), hop has regained interest for the production of phytopharmaceuticals. I approach the cloning of unknown genes of the pathway leading to production of these beneficial compounds by comparing the transcription levels of the genes expressed in hop trichomes using SAGE.

Tiffany Walters

Biology (M.S.)

A Subtractive cDNA Library Approach to Clone Genes of the Betalain Pathway from Pitaya Fruit

- Dr. Axel Schwekendiek

This study will be comparing the mRNA profiles of red and white fleshed varieties of pitaya (*Hylocereus* species) fruit using a subtractive hybridization approach. This will allow only the genes present in the red flesh variety to be identified and characterized in bacteria (*Escherichia coli*), pitaya fruit, and *Arabidopsis* plants.

A.Hameed Madwar Doctor of Industrial Technology (D.I.T.)

Application of Wireless Sensor Networks in a Midwestern Manufacturing Company

- Dr. Hong Nie

This presentation looks at the wireless sensor networks (WSN) technology in industrial applications to replace the costly cables installation by deploying wireless sensor nodes to monitor machines remotely. The results of the testing phase shows that WSN's can work effectively under harsh industrial environment.

[illegible]

Ecosystem Management (P.S.M.)

Dry Run Creek Reconstruction Project

- Dr. Laura Jackson and Dr. Mark Myer

Reconstruction of Dry Run Creek on the UNI campus is taking place right now. Our task is to address water quality issues, allow for native biotic diversity while creating aesthetic landscaping, and to make this creek accessible, enjoyable and safe to the public.

John Holding Ecosystem Management (P.S.M.)

Ecosystem Management (P.S.M.)

Native Perennial Vegetation as a Feedstock for Renewable Energy

- Dr. Laura Jackson

Five-year, field-scale project investigating the feasibility of using diverse plantings of native tallgrass perennial vegetation as a biomass feedstock for electricity generation.

Philip Adalikwu Physics (P.S.M.)

Physics (P.S.M.)

Creation and Control of Structures at Nanoscale

- Dr Tim Kidd

The AFM is used to etch TiSe₂ layer by layer at a certain bias voltage, forming nanostructures and pits. Each scan takes about 5 mins at the rate of 2 lines per second. A graph of the depth of the pits versus the number of scans shows a direct proportionality.

College of Social and Behavioral Sciences

Lucas Geadelmann

Geography (M.A.)

Geography (M.A.)

Risk Management of Commercial Overland Food Transport and Distribution

- Dr. Tim Strauss

The purpose of this research sought to find possible links between food safety and the safety habits of those who transport our food from farm to fork. This study examined the habits of semi-truck drivers in the food transport and distribution industry. A survey instrument was distributed to nearly 100 such drivers charged with hauling perishable food items to grocers, restaurants and cafeterias throughout the lower 48 states.

Nick Sly

History (M.A.)

Easy Chairs, Asses, and Brainworkers: Office Worker Bodies and Walter Camp's Daily Dozen in the Early Twentieth Century

- Dr. Barbara Cutter

Walter Camp and other advocates of brainworker physical health suggest in their columns, books, and articles that exercise in the city was growing as an accepted way of maintaining that masculine authenticity the wilderness had provided through "roughing it."

Nicole Egan (1)

Psychology: Clinical Science (M.A.)

The Effect of Social Support on Mental Illness Stigma

- Dr. Seth Brown

The association between social support and mental illness stigma is examined. Higher numbers of and greater satisfaction with social support are expected to separately and jointly be associated with preferences for less social distance from and lower levels of negative emotions towards those with mental illness.

Nicole Egan (2)

Psychology: Clinical Science (M.A.)

Location in a Retirement Community: Its Effects on Social Networks, Depression, Loneliness, and Coping Ability

- Dr. Helen Harton

This study analyzed the relationship between location, social networks, depression, loneliness, and coping abilities in a retirement community. We expect that people living in more centralized locations of the community will report larger social networks, lower ratings of depression and loneliness, and higher coping abilities.

Courtney Stufflebeam

Psychology: Clinical Science (M.A.)

Gender, Traits and Terror: Their Effects on Willingness to Forfeit Freedoms

- Dr. Helen Harton

This study assessed the self-reported willingness of college students to surrender personal freedoms to protect against the threat of terrorism. We expect that women and people high in neuroticism will be more willing to sacrifice freedoms in exchange for safety than men or people low in neuroticism.

Dwight Peterson

Psychology: Individualized Study (M.A.)

Integrating morphed facial continua in stimulus calibration techniques: Explorations in racial ambiguity

- Dr. Otto MacLin

We examined a new method for the calibration of racially ambiguous stimuli using morphed facial images. Stimulus continua consisting of morphed images ranging from a Caucasian face morphed with an African American face were examined. Results indicate the value of morphing techniques for the calibration of racial stimuli.

Benjamin Stone Psychology: Individualized Study (M.A.)

Individuating Information and the CRE: Categorization of Facial Stimuli

- Dr. Otto H. MacLin

This study examines the relationship between semantic information and facial categorization of racial boundaries in accordance with the Cross Race Effect. It is hypothesized that there will be significantly slower reaction times for categorization of famous African American faces, showing that they are processed differently.

Khasha Lashley Psychology: Industrial-Organizational (M.A.)

The Moderating Effects on Gender on the Relationship between Workplace Exclusion and Fundamental Human Needs

- Dr. Adam Bulter

This presentation investigates the relationship between supervisor exclusion and co-worker with work-related self-esteem and perceived belongingness. It also investigates whether this relationship is moderated by the gender of employees. Results support the hypothesis that supervisor exclusion and work-related self-esteem are moderated by the gender of employees.

Duoc Nguyen Psychology: Industrial-Organizational (M.A.)

Evaluations of a Presidential Candidate: Effects of Race, Argument Strength, and Political Orientation

- Dr. Helen C. Harton

Participants rated a flyer of a fictitious presidential candidate. Results showed that Whites Americans may be reluctant to negatively evaluate a Black candidate or to distinguish him through the strength or content of his arguments; findings are discussed using the Integrated Model of Racism (Dovidio & Gaertner, 1998).

Ryan Betts Psychology: Social Psychology (M.A.)

Ambiguous Race Faces: Using Eye Tracking to Examine Attentional Differences

- Dr. Otto MacLin

Eye-tracking equipment was used to determine where people attend when looking at ambiguous race faces. Faces were morphed between an African American face and a Caucasian face, forming a continuum of 51 faces. Participants determined the race of each face in two phases while recording their eye movements and fixations.

Heather Caspers Psychology: Social Psychology (M.A.)

Lay Knowledge of Legal Evidence and Procedures: An Instrument and Some Data

- Dr. Kim MacLin

This poster addresses how the focus of research in lay juror knowledge centers on eyewitness identification and neglects other important factors. We present here an instrument designed to assess lay knowledge of a broader array of legal evidence as well as of legal and criminal procedures.

Priyanka Joshi (1) Psychology: Social Psychology (M.A.)

Threats Mediate the Relationship Between Personality and Prejudice

- Dr. Helen Harton

194 participants completed measures of personality, threat, and prejudice towards five ethnic groups. Realistic threats were the best predictors of prejudice and social dominance orientation consistently predicted prejudice. Threats fully mediated the relationship between personality and prejudice for two groups and partially mediated the relationship for the other three groups.

Priyanka Joshi (2) Psychology: Social Psychology (M.A.)

Testosterone Makes Me Green: The Unexplored Relation Between Jealousy and Testosterone

- Dr. Catherine Desoto

Hormones play an important role in guiding emotions. We found that the tendency to experience more strong jealousy feeling when a partner is involved in a hypothetical situation involving sexual jealousy rather than emotional jealousy may be determined by testosterone levels.

Dan McCarthy (1) Psychology: Social Psychology (M.A.)

Famous Other-Race Faces and the Cognitive Gating Mechanism: Promoting Higher-Order Processing Through Stereotype Incongruence

- Dr. Otto MacLin

The Cognitive Gating Mechanism (CGM) explains processing differences for ingroup and outgroup faces. Students in stereotype primed and unprimed conditions will complete a famous face classification task including Caucasians and African-Americans. The primed group's response latencies should be the longest for famous other-race faces due to stereotype incongruence.

Dan McCarthy (2) Psychology: Social Psychology (M.A.)

Black + White = Hispanic?: Evidence for the emergence of a third racial category using alternative forced choice paradigms

- Dr. Otto MacLin

Morphed images of an African American and Caucasian face were used to create a continuum of racially blended stimuli. Participants classified images by race with the inclusion of a Hispanic response option. Findings indicate that racially ambiguous stimuli are perceived as more Hispanic and perception can be altered with adaptation.

Taylor Wadian Psychology: Social Psychology (M.A.)

A Test of Time: Blind and Constructive Patriotism in the United States

- Dr. Helen C. Harton

This study examined trends in both blind and constructive patriotism in college students, assessed two weeks after the September 11th attacks, and again in the fall of 2004 and 2007. Levels of blind patriotism decreased over time, particularly between 2001 and 2004.

Darius Robinson

Public History (M.A.)

The Unconstitutionality of American Eugenics 1890-1920

- Dr. Robert Martin

A brief history of the American eugenics movement's influence on government policy at the state level from 1890-1920, and the subsequent legal backlash.

Bridget Chang (1)

Women and Gender Studies

(M.A.)

Focusing on the T & E of STEM: Women Teachers in Iowa

- Dr. Doug Hotek

The poster will showcase a collaborative research project between several departments on the UNI campus including Women's and Gender Studies, Industrial Technology, Math, and Chemistry. The purpose of our overall research project is to increase the number of women teaching in STEM fields in Iowa.

Bridget Chang (2)

Women and Gender Studies (M.A.)

Language and Consulting Course for Mail-Order-Brides in Taiwan: Maintain the Tradition of Gender Role, Resistance, and Agency

- Dr. Cyndi Dunn

My poster will showcase the signification finding from the research. The purpose of my overall research project is to increase the awareness of hidden passages under the Taiwanese government policy.

Non-degree

Leslie Cak

Non-degree

Coping with Recurrent Physical Pain in the Performing Arts

- Dr. Elaine Eshbaugh

This study examined the myriad of techniques that performing artists employ to cope with recurrent physical pain. Measures of pain, stress, depression, and coping strategies were used to develop a clearer picture of recurrent physical pain in this under-examined population.

Note

All descriptions are the original work of the presenters.

Acknowledgements

Event Organizers

Susie Schwieger, Director Graduate Student Life

Katherine Brown, Graduate Assistant

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Ken Nesbett, Graduate Assistant

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