Honors Research Conference [Program] April 13, 2013

University of Northern Iowa

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Honors Research Conference
April 13, 2013

8:30-9:00 am  Opening Reception and Welcome  Auditorium Lounge
2nd Floor Lang Hall

9:00-9:25 am  Ryan Lockard – A Study of the Genes TFL1 and LFY as Agents in the Divergent Evolution of the Plant Species Arabidopsis Thaliana and Carica Papaya
Lang 208
Dr. Marek Sliwinski, Biology

Kellie Petersen – International Students at UNI: An Analysis of Experiences
Lang 211
Dr. Lindsay Cohn, Political Science

Sarah Pearce - Analysis of Mathematical Descriptions of Gravitational Microlensing
Lang 222
Dr. C.C. Chancey, Physics

*Chloe Haley - Laboring Under Assumptions: The Childbirth Expectations of the Next Generation of Mothers
Dr. Elaine Eshbaugh, School of Applied Human Sciences
Lang 223

Heather Greel – The Chicago Americanization Movement: Solutions to the Immigrant Problem
Lang 308
Dr. Trudy Eden, History

*Nicole Hulme - Does Baby Sign Open the Door for Second Language Learning?
Dr. Ken Bleile, Communication Sciences and Disorders
Lang 311

9:35-10:00 am Danielle Stuck - It's a Juggling Act: An Examination of Dispositional Characteristics on Work-School Conflict
Lang 208
Dr. Adam Butler, Psychology

*Michaela B. Nelson - Creativity in the Theatre: A Study on the Creative Process
Lang 211
Dr. Greta Berghammer, Theatre

Aynur Damirgi - A Linguistic Playground: A Case Study of Trilingual Code-Switching
Lang 222
Dr. Ardith Meier, Languages and Literatures

Alyssa Eisenman - Leisure Trends and Technology throughout Generations X, Y, and Z
Lang 223
Dr. Chris Kowalski, Leisure, Youth, and Human Services

*Alexa Pomeren - Defensive Communication between Professors and Students and Its Effects on Student Outcomes
Lang 308
Dr. Kim MacLin, Psychology

*Taylor Hircock - ATP-Induced Changes in F-Actin Expression via P2X7 Receptor Activation
Lang 311
Dr. David McClanahan, Biology

10:10-10:35 am Cara Wright - A Bank Erosion Hazard Index (BEHI) Study of Dry Run Creek, Cedar Falls, Iowa
Lang 208
Dr. James C. Walters, Earth Science

Tyler Lange - What Variables Explain Differences in Coaching Salaries for Division I Women's Sports?
Lang 211
Dr. Lisa Jepsen, Economics

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10:10-10:35 am
*Theresa Luensmann - Should I Stay or Should I Go? A Comparison Study of Cornerstone and Non-Cornerstone Sophomore Students' Levels of Campus Engagement and Institutional Commitment
Dr. April Chatham-Carpenter, Communication Studies

Anneliese Gentzsch - Attainable Arts Integration in the Elementary Classroom
Dr. Denise Tallakson, Curriculum and Instruction

*Erica Scullin - Effects of Habitat Alterations on the Population Sizes of the Declining Longnose Dace
Dr. Peter Berendzen, Biology

Danielle Westcot - Gaining Perspective: Student Perceptions of the Role of TESOL Principles in Their English-Learning Experience
Dr. Joyce Milambiling, Languages and Literatures

10:45-11:10 am
Lauren Hanzelka - Learning Styles: A Viable Approach for Instruction?
Dr. Deborah Tidwell, Curriculum and Instruction

Ashley Richardson - The "Tragedy" of Down Syndrome
Dr. Ken Bleile, Communication Sciences and Disorders

Margaret Nervig – An American’s Paris: Consumption and the American Identity, 1947-1963
Dr. Brian Roberts, History

*Caitlyn Reighley - The Beliefs of University of Northern Iowa Preservice Teachers about Gifted and Talented Learners
Dr. Jean Schneider and Dr. Audrey Rule, Curriculum and Instruction

*Emma Peterson - Influences of Armenian Folk Music on Clarinet Chamber Works by Aram Khachaturian and Alexander Arutiunian
Dr. Amanda McCandless, School of Music

Lindsey Ludwig - Generating New Type II Protein Models Using Cytochrome c
Dr. Melissa Cherney, Chemistry and Biochemistry

11:20-11:45 am
Kari Lien – English-Only Legislation: The Iowa Story
Dr. Ken Bleile, Communication Sciences and Disorders

Stephanie Opsal - Competition and Extrinsic Motivation in the Band Classroom: A Review of Literature and Suggestions for Educational Practice
Dr. S. Daniel Galyen, Music

*Chelsea Meier - Search for the Catalytic Subunit of DNA Polymerase α in Thermomyces lanuginosus
Dr. Ira Simet, Chemistry and Biochemistry

*Morgan Johnson - Going Offline: Personality and Its Effects on the Transition of Online Relationships to the Offline World
Dr. Sunde Nesbit, Psychology

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## Honors Research Conference
### April 13, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>11:20-11:45 am</td>
<td>Dusty Ann Kriegel</td>
<td>Process of a Painting</td>
<td>Lang 308</td>
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<td>Prof. Kenneth Hall, Art</td>
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<td>11:55-12:00 pm</td>
<td>Troy Mensen</td>
<td>The Utility of Phosphoglucone Isomerase (PgiC) Intron Sequences in the</td>
<td>Lang 311</td>
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<td>Phylogenetics of Physaria (Brassicaceae)</td>
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<td>Dr. Stephen O’Kane, Biology</td>
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<td>11:55-12:00 pm</td>
<td>Jeremiah Moffitt</td>
<td>A Heroic Journey within Videogames and the Effects on Player Experience</td>
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<td>Dr. Anne Woodrick, Sociology, Anthropology, and Criminology</td>
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<tr>
<td>11:55-12:00 pm</td>
<td>RaeAnn Swanson</td>
<td>Cleaning Up Our Home: Ellen Swallow Richards' Human Ecology and</td>
<td>Lang 211</td>
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<td>Emerging Environmental Ideologies, 1890 - 1915</td>
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<td>Dr. Brian Roberts, History</td>
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<td>11:55-12:00 pm</td>
<td>*Rebecca Krewer</td>
<td>Expressed Sequence Tag for DNA Polymerase Alpha In Embryonic Chicken</td>
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<td>Dr. Ira Simet, Chemistry and Biochemistry</td>
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<td>11:55-12:00 pm</td>
<td>*Zach Griffith</td>
<td>A Study in Merger Induced Galaxy Evolution through Post-Starburst</td>
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<td>Dr. Siobahn Morgan, Earth Science</td>
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<td>11:55-12:00 pm</td>
<td>Chaz Gustafson</td>
<td>Jeffersonian Ideals: Practical in the United States of the 21st</td>
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<td>Dr. Ana Kogl, Political Science</td>
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<td>12:30-12:55 pm</td>
<td>Hayley Rinehart</td>
<td>A Population Genetic Study of the Fish Rhinichthys Cataractae in</td>
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<td>Northeast Iowa Using Microsatellite Genotype Data</td>
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<td>12:30-12:55 pm</td>
<td>Jennifer Titus</td>
<td>From Here to There: The Music's Journey How the Music in the Lord of</td>
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<td>the Rings Trilogy Represents the Cultures of Tolkien’s World</td>
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<td>Dr. Jeffrey Funderburk, School of Music</td>
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<td>12:30-12:55 pm</td>
<td>*Sonia Han</td>
<td>Sequencing a DNA polymerase alpha gene in Thermomyces lanuginosus</td>
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<td>Dr. Ira Simet, Chemistry and Biochemistry</td>
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<td>12:30-12:55 pm</td>
<td>Chelsea O'Donnell</td>
<td>Tempestuous Translations: Exploring the Artistic and Thematic</td>
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<td>Relationship between Shakespeare’s the Tempest and Beethoven’s</td>
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<td>&quot;Tempest&quot; Piano Sonata in D Minor Op.31 No.2</td>
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<td>Dr. Jesse Swan, Languages and Literatures</td>
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<td>12:30-12:55 pm</td>
<td>Nic Stewart</td>
<td>Categorical vs. Dimensional Models of Mental Health Assessment</td>
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<td>Dr. Sunde Nesbit, Psychology</td>
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<td>12:30-12:55 pm</td>
<td>*Patrick Tiernan</td>
<td>The Role of Imagery in the Semantic Priming of a Mental Construct</td>
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<td>Dr. Carolyn Hildebrandt, Psychology</td>
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