Honors Research Conference [Program] April 11, 2015

University of Northern Iowa

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### Opening Reception and Welcome
**Dr. April Chatham-Carpenter, Associate Provost for Academic Affairs**

#### 9:00-9:25 am

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Location</th>
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<tr>
<td>9:00-9:25 am</td>
<td><strong>Parash Upreti</strong> – Does Religion Affect Economic Growth?</td>
<td><strong>Dr. Imam Alam - Economics</strong></td>
<td>Lang 208</td>
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<td></td>
<td><em>Rachel Carmen</em> – Attention Test Performance and Normal Aging: The Effect on Executive Function</td>
<td><strong>Dr. Angela Burda - Communication Sciences &amp; Disorders</strong></td>
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<td></td>
<td><strong>Elias Escobedo</strong> – The Impact of Big IPO's on the Market</td>
<td><strong>Dr. Adam Smedema - Finance</strong></td>
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<td><em>Sarah Eikenberry</em> – Measuring the Stability of Iso-I-Cytochrome c Variants using Heme Spectra</td>
<td><strong>Dr. Melisa Cherney - Chemistry &amp; Biochemistry</strong></td>
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<td>9:35-10:00 am</td>
<td><strong>Nicholas Carlo</strong> – Similar but Different: An Analysis of Differences in Clarinet and Saxophone Pedagogy and Doubler's Misconceptions</td>
<td><strong>Dr. Kevin Droe - School of Music</strong></td>
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<td><strong>Jordan Brelje</strong> – Relevant Decision Criteria and their Level of Importance in Consumers’ Choice of Hospital</td>
<td><strong>Dr. Matthew Bunker - Marketing</strong></td>
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<td><strong>Peter Ickes</strong> – A Study of Best Management Methods for the Invasive Hybrid Cattail Species, <em>Typha x glauca</em></td>
<td><strong>Dr. Kenneth Elgersma - Biology</strong></td>
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<td><strong>Sarah Marston</strong> – Understanding Community Literacy Practices through Multimodal Storytelling</td>
<td><strong>Dr. Sarah VanderZanden - Curriculum &amp; Instruction</strong></td>
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<td>10:10-10:35 am</td>
<td><strong>Elizabeth Agey</strong> – Female Mate Selection Criteria: Preferences in Short-Term and Long-Term Mating Strategies</td>
<td><strong>Dr. Tyler O’Brien - Sociology, Anthropology, &amp; Criminology</strong></td>
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<td><strong>Conner Brakeville</strong> – The Early Demagogues: The Rise of the Plebeian Tribunate and their Exclusive Interests, c. 550-390 BCE</td>
<td><strong>Dr. Robert Dise - History</strong></td>
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<td><strong>Kiana Cullinan</strong> – The Effects of Temperature on the Hemostatic Properties of the American Bullfrog, <em>Rana catesbeiana</em></td>
<td><strong>Dr. David Saunders - Biology</strong></td>
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<td>10:45-11:10 am</td>
<td><strong>Reva Bork</strong> – Non-destructive DNA Extraction Methods that Yield DNA Barcodes in Spiders</td>
<td><strong>Dr. Thresa Spradling - Biology</strong></td>
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<td><strong>Rhennetta Bork</strong> – Primer Efficacy in the DNA Barcoding of Spiders</td>
<td><strong>Dr. Peter Berendzen - Biology</strong></td>
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<td><strong>Elizabeth Silbernagel</strong> – Investigating the Linguistic Identity Development of Dual Language Learners</td>
<td><strong>Dr. Sarah Montgomery - Curriculum &amp; Instruction</strong></td>
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Honors Research Conference
April 11, 2015

11:20-11:45 am  Abigail Lee – Analysis of Ipomoea (morning glory) Leaf Mutants
Dr. Julie Kang - Biology

*Ben Castle – A New System of First-Order Predicate Logic Based on Wittgenstein's Single
Operator N
Dr. Adrienne Stanley - Mathematics & Dr. Edgar Boedeker - Philosophy & World Religions

Nicole Wakeman – Therapy and Treatment Crossover for Language Production Impairments
Between Populations with Broca's Aphasia and Sequential Bilinguals
Dr. Ken Bleile - Communication Sciences & Disorders

*Kara Poppe – Asset-Based Community Development Practices in International Service-Learning:
A Content Analysis of Short-term Programs in Nicaragua
Dr. Michele Devlin - HPELS & Dr. Sarah Montgomery - Curriculum & Instruction

11:55-12:20 pm  *Derek Hofland – Solving Lights Out on Parity Graphs
Dr. Doug Shaw - Mathematics

Pat Chizek – The Benefits of Legalizing Marijuana and Products Containing THC
Dr. John Bumpus - Chemistry & Biochemistry

*Carl Reitz – The Future of Restorative Dental Care
Dr. Darrell Wiens - Biology

12:30-12:55 pm  Thomas Madsen – An Investigation of UNI's Budget from 1990 to 2015
Dr. Kenneth McCormick - Economics

Samantha Mallow – Losing Robin Williams: An Analysis of User-Generated Twitter Content
Following the Sudden Death of a Celebrity
Dr. Ronnie Banksten - Communication Studies

Joslyn Aldape – Finding Community: The Importance of Intergroup Dialogue within Diversity
Workshops
Dr. Danielle McGeough - Communication Studies

*Britney Bockstahler – Documenting the State of Kindergarten Classrooms: A Picture Is Worth a
Thousand Words
Dr. Linda Fitzgerald & Dr. Beth Van Meeteren - Curriculum & Instruction

* Denotes Presidential Scholar