SCHEDULE OF EVENTS

Undergraduate Symposium 2015
Honoring Excellence in Research, Scholarship and Creativity

Morning Schedule:

8:00-9:00 A.M.
Campus-Wide Breakfast and Registration. Kent Campus Center Atrium (main level)
All are invited. Presenters must check in to get programs and lanyards, to put up posters if necessary, and to confirm final schedules.

9:00-9:45 A.M.
Keynote Roundtable. Hubbell Hall, Kent Campus Center (second floor)
Today’s roundtable is composed of three Simpson College alumni, who will discuss their experiences with undergraduate research and their paths after graduation. The alumni are: Amy Gookin, Derek Lyons, and Sean O’Bryan.

10:00-10:50 A.M. Concurrent Sessions I

Islam. Cowles Center, Room 171
- MacKenzie Bills, Islam Stands between the Middle East and Democratization
- Molly Monk, The Ethics and Sustainability of Islamic Banking for Developing Countries
- Stephanie Turner, The Media in Politics without Borders

Hidden Disabilities: An Iowa Watch Report. McNeill Hall, Room 107
- Kate Hayden, Steffi Lee, Megan Quick, and Ben Rodgers, Interactive Discussion Panel.

Diverse Identities. McNeill Hall, Pioneer Conference (Room 111)
- Amy West, Survival of the Diverse
- Victoria Kramer, Queer Procreativity: Reclaiming Families within Christianity
- Dani Musselman, Claiming Χριστιανός: A Parallel to Creating Queer Identity

Performance. Blank Performing Arts Center, Room 201
- Madison Densmore and Bryce Browning, Irene Ryan Package
- Timothy Williams, All Good People
- Madison Densmore, Sheila and Steve

Immigration. Mary Berry Hall, Room 120
- Maureen Snook, Establishing Identity in Jhumpa Lahiri’s The Namesake
- Lauren Wendl, United States Immigration: From Foundation to Adaptation
- Jacob Williamson, The Attrition of The German-American Way Of Life as a Role Model for Success in America During The First World War

Changing Europe. Dunn Library, Craven Room (Second Floor)
- Megan Lein, A Continuous Battle Between Google and the European Union
- Jordan Rude, Brandon Herring, Ian Hunt, Alison Graves, Evan Kimberlin, Kyle Loy and Emily Richardson, The Myth of Magna Carta: Sovereignty and Authority in Medieval England
- Krystal Daggett, The English Civil War: A Matter of Authority
Agents of Change. Amy Robertson Music Building, Madsen Hall, (main level)
- Hannah Pettorini, Literature as an Agent for Empathy
- Britney Steele, Simple Concept, Complex Results: When Taking Care of the Planet Became Polarized
- Rob Logsdon, Media and their Effect on Socio-Political Movements

Gender. Carver Science Building, Jordan Lecture Hall (Room 215)
- Peyton Rowe, Feminine Gender Role Stress & The Emotional Stroop Task
- Virginia Atwell, The Feminine Divine in Christian Gnosticism
- Sara Miller, Barth on Sex and Gender

Reading Scripture and Rights. Carver Science Building, Room 231
- Jacob McLain, Inherent Rights and the Church
- Jacy Gomez, Sophia in Scripture: A Feminist Liberation Perspective on Patriarchy in The Bible
- Brian Williams, Paul and Friends: Exploring Co-Authorship in The Pauline Epistles

- Jessalyn Holdcraft, Austin Jacobs, and Olivia Anderson, Interactive Class Discussion Panel

11:00 A.M.-12:30 P.M.

Senior Art Reception. Farnham Gallery, Mary Berry Hall.
Students majoring in visual arts at Simpson College specialize in drawing, painting, pottery, photography, art education and graphic design. The major is capped by a personalized senior project and art show prior to graduation. Each year, the Senior Exhibit opens in April and remains on display through graduation day in Simpson’s Farnham Galleries. The 2015 exhibit is the culmination of the students’ undergraduate art study, featuring works created during the fall semester of their senior year. The exhibit features a variety of media and art techniques, chosen by the student.

Afternoon Schedule:

11:00 A.M.-12:30 P.M.

Honors Lunch (invitation only). Kent Campus Center, Hubbell Hall

12:30-2:00 P.M.

Honors Convocation. Smith Chapel

2:15-3:05 P.M. Concurrent Sessions II

Campus Matters. McNeill Hall, Pioneer Conference Room (Room 111)
- Jessalyn Holdcraft, Girls Just Wanna Have Funds: Analyzing the Relationship Between Presidential Gender and Fundraising
- Sara Hill, Definitions of Consent and Human Sexuality

Animal Planet. Carver Science Building, Room 231
- Laura Alt and Laken Baird, Characterizing the Genetic Basis of Stress and Anxiety Behaviors in Zebrafish
- Abigail Golder, The Effects of Algae Blooms and Eutrophication on Fiddler Crabs
- Lynaea Kiefer, Understanding Animal Baiting

Images of Women. McNeil Hall, Room 107
- Madison Densmore, Vahine: Images and Origins
- Lindsey Stubbs, “Boom! Bang! Pow!”: The Super-Powered Woman’s Struggle for Maintaining Identity In Comic Books
- Valerie Goodhue-Nolte, “In Their Shoes”: The Creation of Evita Through Fashion
**Beowulf.** Blank Performing Arts Center, Room 201
- Mandy Brown, *Beowulf and the Literary Canon: A Cultural Narrative Out of Context*
- Gina Reiman, *Warriors of Two Worlds: Shifting Cultures and Twisting Values*
- Sydney Baty, *The Hero of White, Christian Men: Modern Ideas of Prejudice in Beowulf*

**Development.** Cowles Center, Room 171
- Nathaniel Hayes, Bot-Ball
- Sarah Beadle, Eye Tracking and Mental Imagery: Verbal Spatial Interference
- Alyssa Gates, How Memory Effects Language Development

**After School. What Next?** Mary Berry Hall, Room 120
- Britney Samuelson, *Using Principles of Social Justice to End the "School-to-Prison Pipeline"*
- Sarah Jermeland, *Insurance Product Development for Recent College Graduates*

**A Matter of Scale.** Wallace Hall, Room 201
- Kyle Jensen, Erin Boggess, *DNA Hairpin Simulation using the Peyrard-Bishop Model*
- Maddie Thomas, Esteban Sierra, Blake Tish, *Modeling of Linker Stoichiometry for Optimization of DNA Nanostructure Self-Assembly*
- Rachel Rice, *Time Evolution of Perturbed Planetary Systems*

**Germs.** Carver Science Building, Jordan Lecture Hall (Room 215)
- Emma Jones, *Adapting an Epidemic Model to Account for Media and Vaccination Influence in an Infectious Outbreak*
- Melissa Mann and Alex Rehman, *Improving Inhibitors of Bacterial Quorum-Sensing for Use as Antibiotics*

**Voters.** Dunn Library, Craven Room (Second Floor)
- MacKenzie Bills and Molly Monk, *Voter Engagement at a Liberal Arts School: Research and Strategic Action*
- Megan Assman, *Do Iowans Vote for a Candidate in the Caucuses Based on a Set of Characteristics?*
- Kolby Warren, *The Influence of Women on Women's Health Legislation*

3:15-4:30 P.M.
**Poster Session and Hors d’oeuvre Reception.** Kent Campus Center, Black Box Theater
- Beth Baltes, *Attitudes towards Mental Illness: Gender Difference*
- Sarah Beadle, Nick Yaeger, and Natasha Shehade, *Effect of Experiment Gender on Pain Response*
- Deviney Benson, Brenda Soto and Rachel Hoffman, *Characterization of Brain Wave Activity in Response to Emotional Stimuli*
- MacKenzie Carson and Shana Boosie-Mu, *The Effect of Water Temperature on the Mammalian Dive Reflex*
- Annie Collins, Marissa Belau, and Megan Wulf, *How Feedback Impacts Who We Become: Self-Esteem, Reactions to Positive and Negative Feedback, and Possible Selves*
- Geoff Converse, Park Mikels, and Dakota Spurrier, *Algorithmic Elimination of Unintentional DNA Hybridization in Complex DNA Mixtures*
- Jared Grove, Geoff Converse, and Kylie Pape, *Maximizing Value in a Fantasy Football Draft*
- Caitlin Dicus, *Great Expectations: Processing and Storage of Narrative and Expository Texts*
- Justin Hayes, Kira Klepel, and Abby Rourke, *The Relationship Between Implicit Theories of Personality and Stress*
- Meagan Jones, Brianna Nelson, and Marley Drake, *Habituation and the Physiological Response to Unpleasant Images in Males*
- Miles Kirts, Ellie Luebbe, and Eric Maraen, *Efficient Path Generation to Maximize Data Collection of Multiple Samples using Fluorescence Spectroscopy*
- Kellan Kremer and Taylor Jurgensen, 3-D TV
- Tessa Lengeling, *Media Influence on the Polarization of American Politics*
• Marisa MacVey, Shaan Desai, and Brandon Mees, The Characterization of Motor Unit Recruitment in Brachioradialis and Flexor Digitorum Muscle Groups via Electromyography and Dynamometry
• Jennifer Mains, TPACK
• Valerie Marlow and Mary Doherty, Integrating Technology in Today’s Classroom
• Connor McDermott and Kelly Brass, DNAA - Deoxyribonucleic Amino Acid: Combining Amino Acid Functionality with DNA Nanotechnology
• Alec McIntosh, Measuring Human and Seasonal Impacts on Algae Communities in Freshwater Ponds in South Central Iowa
• Ashly McLaughlin, Callie Besaw, and Mac McGraw, Facial EMG Muscle Responses Based on Sweet and Salty Stimuli
• Brooke Panzer, Kenzie Haupt, Shane Venteicher, Kaytlyn Ernst, and Logan Van Veen, The Physiological & Psychological Measures of Swimex Effectiveness
• Jordan Parra, Abigail Golder, and Jessie Hoffman, Environmental stressors affect behavioral patterns of Nerita atramentosa in different intertidal habitats
• Jordan Parra, Colonization then and now: Comparing China’s own colonization and its colonization of Africa in the 21st century
• Shelby Randolph, Stephanie Cox, McKenzie Seaton, and J.W. Brittingham, Habituation and the Physiological Response to Unpleasant Images in Females
• Austin Burlin, Shelby Randolph, Taylor Hunt, and Dylan Hofstad, Is LESS truly more? : Assessment of Non-contact ACL risk in Division III Student Athletes using the Landing Error Scoring System (LESS)
• Kristin Richert, A Comparative Look at Cultural Factors in Relation to Voter Turnout in the United States and Western European Democracies
• Jordan Rude, Political Parties and the Independence Referendum
• Thomas Sanford, Mass Incarceration: Why America’s Incarceration Rates Eclipse Those of Scandinavian Nations
• Laina Sullivan, Laina DeCriscio, Jasmine Meyer, and Donald McDonald, Facial EMG Muscle Responses Based on Sour and Bitter Stimuli
• Rebecca Thornton and Jim Gallogly, Lysine-to-Methionine Mutation Alters Histone Protein Interactions
• Amy West, Parental Response to Predation in Shrub-Nesting Prairie Birds Based on Stage of Nestling Development
• Tim Williams, Night of The Soul Sound Design

4:30-4:45 P.M.
Recognition and Remarks. Kent Campus Center, Black Box Theater