# 2014 Celebration of Scholarship
# Index of Presenters

***Alphabetical by students' last names.***

* Denotes a recipient of the FY 2013-14 Student/Faculty Collaborative Research Grant awarded by the Office of Grants and Faculty Development.

♦ Denotes a graduate student.

▲ Denotes a doctoral student.

| ***Session*** | ***Student*** | ***Project Title*** |
|---|---|---|
| Poster Session ~ #13 | **Carissa Adams**<br>*Chemistry* | Ternary Metal Oxide Investigation for Water Splitting |
| Poster Session ~ #46 | **Sarah Adelson**♦<br>*Psychology* | Traits and States: Evaluating the Construct Validity of Trait Empathy Measures |
| Poster Session ~ #8 | **Kaci Baillies**<br>*Biology* | Aquatic Invasive Species Monitoring Protocol |
| Poster Session ~ #14 | **Miguel Baldomero**<br>*Chemistry* | Determination of the Bound Configuration of GCSG within the Active Site of Glutathione Reductase Using Molecular Dynamics |
| Poster Session ~ #29 | **Lauren Bane**<br>*Geology* | Biochemical Minerals and Nearshore Processes in a 1.7 Billion-Year-Old Marine Deposit: Implications for the Oceanography During Oxygenation of the Earth from the McKay Formation, Northern Territory, Australia |
| Poster Session ~ #26 | **Kimberly Barth***<br>*Computer Science* | Self-Assembly of Tree Fractals at Any Scale Factor |
| Poster Session ~ #38 | **Jan Beyer**♦<br>*Nursing* | Impact of Home-Based Versus Tele-Medicine Interventions on Functional Classification and Quality of Life in Patients with Chronic Heart Failure |
| Poster Session ~ #46 | **Jarrod Bock**♦<br>*Psychology* | Traits and States: Evaluating the Construct Validity of Trait Empathy Measures |
| Oral Session I<br>Reeve Room 214<br>8:30 – 9:30 a.m. | **Eric Boll***<br>*Mathematics* | More Congruences for the K-Regular Partition Function Modulo 3 |
| Poster Session ~ #47 | **Autumn Bradley**<br>*Psychology* | Beyond Checkboxes: Understanding Non-Binary and Other Experiences of Gender |

| ***Session*** | ***Student*** | ***Project Title*** |
|---|---|---|
| Artistic Presentation<br>Reeve Union Theatre<br>Room 307<br>9:10 – 9:45 a.m. | **Justine Braun**<br>*Communication* | *Works in Progress* |
| Visual Art<br>Reeve Ballroom | **Tara Brooks**<br>*Art* | *Tugendhat House: Modern Meets Nature* |
| Poster Session ~ #27 | **Derek Brown**<br>*Criminal Justice* | The Effects of Lineup Instructions on Eyewitness Accuracy |
| Visual Art<br>Reeve Ballroom | **Kelly Buechel***<br>*Art* | Creating the Books of Tomorrow |
| Poster Session ~ #4 | **Amanda Buehring**<br>*Biology* | Attachment of Freshwater Mixed-Bacterial Species to Biofilms |
| Poster Session ~ #55 | **Nicholas Burbach**<br>*Sociology* | Perceptions and Experiences of Oshkosh Food Desert Residents on Food Access |
| Poster Session ~ #39 | **Rebecca Carpenter**♦<br>*Nursing* | Evaluation of Diabetes Management in a Clinic for the Underinsured |
| Poster Session ~ #1 | **Ryan Conklin***<br>*Biology* | Seasonal Mitochondrial Activity in the Retina of an Obligate Hibernator |
| Poster Session ~ #56 | **Jennifer Dardich**<br>*Sociology* | Cigarette Use among College Students |
| Poster Session ~ #2 | **Brandi Deptula**<br>*Biology* | Gylcohydrolase Enzyme Expression and Activity from the Bacterial Isolate JT5-1, a Gut Inhabitant of an Evolutionarily Higher Termite |
| Poster Session ~ #46 | **Mandy Deschaine**♦<br>*Psychology* | Traits and States: Evaluating the Construct Validity of Trait Empathy Measures |
| Poster Session ~ #30 | **Peter DeVries**<br>*Geology* | Carbonate Diagenesis and Limestone Formation in a Sub-Polar Ocean System: Middleton Island, Gulf of Alaska |
| Oral Session II<br>Reeve Room 214<br>9:30 – 10:30 a.m. | **Collin Dischler**<br>*Geology* | Distributions of Cranial Pathologies Provide Evidence for Head-Butting in Dome-Headed Dinosaurs |
| Poster Session ~ #57 | **Paula Doehrmann**<br>*Sociology* | Perception of Interfaith Dating at UWO |
| Poster Session ~ #31 | **Amanda Doherty**<br>*Geology* | Biochemical Degradation of $CaCO_3$ Gastropod Shells: A Microbial Ecosystem Created Through Bio-Erosion of *Poecilozonites sp.* on Bermuda |

| ***Session*** | ***Student*** | ***Project Title*** |
|---|---|---|
| Poster Session ~ #49 | **Anthony Drew**♦<br>*Psychology* | Altruism or Egoism: A Simultaneous Alternative Test of the Empathy Altruism Hypothesis |
| Poster Session ~ #58 | **Diane Escher**<br>*Sociology* | Effectiveness of Reducing Homelessness in the United States |
| Poster Session ~ #48 | **Mike Finn**<br>*Psychology* | The Effect of Perspective Taking on Vicarious Emotion |
| Oral Session II<br>Reeve Room 214<br>9:30 – 10:30 a.m. | **Ryan Fochs***<br>*Religious Studies and Anthropology* | Can Bioacoustic Parameters Distinguish Different Species? A Case Study Using the Bornean Gibbon Long Call |
| Poster Session ~ #15 | **Casey Freiherr**<br>*Chemistry* | Determination of Acetaminophen in Children's Tylenol |
| Poster Session ~ #16 | **Casey Freiherr**<br>*Chemistry* | VIB Transition Metal Tetracarbonyl Complexes Coordinated with Asymmetric Phenanthroline Ligands |
| Poster Session ~ #40 | **Gretta Grube**♦<br>*Nursing* | What Is the Role of Exercise as a Treatment Option for Adults with Mild to Moderate Depression?: A Systematic Review of Literature |
| Poster Session ~ #59 | **Jessica Hagen**<br>*Sociology* | Being All that You Can Be? The Effects of Military Service on the Social Class Attainment of Female Soldiers and Veterans |
| Artistic Presentation<br>Reeve Union Theatre<br>Room 307<br>9:10 – 9:45 a.m. | **Steven Heil**<br>*Communication* | *The Order* |
| Poster Session ~ #3 | **Garrett Heiman***<br>*Biology* | Characterization of Methanogenic *Archaea* from the University of Wisconsin Oshkosh Biodigester |
| Poster Session ~ #49 | **Nathan Hermus**♦<br>*Psychology* | Altruism or Egoism: A Simultaneous Alternative Test of the Empathy Altruism Hypothesis |
| Visual Art<br>Reeve Ballroom | **Skyler Hestnes**<br>*Art* | *Transparency of the Dessau Bauhaus* |
| Poster Session ~ #32 | **Matthew Hiebing**<br>*Geology* | Intra-Flow Variation within Primitive Basalts of the Poison Lake Chain, Lassen Volcanic Center, CA |
| Oral Session II<br>Reeve Room 215<br>9:30 – 10:30 a.m. | **Carol Hollar-Zwick***♦<br>*English* | Persuaded to Prepare: Rhetoric and a Cold War Fallout Shelter |
| Oral Session II<br>Reeve Room 214<br>9:30 – 10:30 a.m. | **Jessica Hron**<br>*Women's and Gender Studies* | "Baby It's Your World Ain't It?": A Rhetorical Criticism of Race, Class, Gender and Sexuality |

| ***Session*** | ***Student*** | ***Project Title*** |
|---|---|---|
| Poster Session ~ #50 | **Katarena Hubbartt***<br>*Psychology* | Dementia Knowledge, Attitudes, and Concerns about Alzheimer's Disease of Low Income, Community-Dwelling Elders |
| Visual Art<br>Reeve Ballroom | **Amanda Jacobson**<br>*Art* | *Paul Renner* |
| Poster Session ~ #60 | **Lindsey Jagow**<br>*Sociology* | Media and Image Study |
| Poster Session ~ #48 | **Rachel Janczak**<br>*Psychology* | The Effect of Perspective Taking on Vicarious Emotion |
| Poster Session ~ #4 | **Shannon Johnson**<br>*Biology* | Attachment of Freshwater Mixed-Bacterial Species to Biofilms |
| Visual Art<br>Reeve Ballroom | **Taylor Kiley**<br>*Art* | *Lilly Reich: A Simply Functional Woman* |
| Poster Session ~ #36 | **Joseph Knafelc**<br>*Geology* | Apatite Fission Track Analyses of Tertiary Sedimentary Rocks from the West Antarctic Rift System, Antarctica |
| Poster Session ~ #50 | **Alexandra Koll*♦**<br>*Psychology* | Dementia Knowledge, Attitudes, and Concerns about Alzheimer's Disease of Low Income, Community-Dwelling Elders |
| Poster Session ~ #17 | **Samuel Kougias**<br>*Chemistry* | Synthesis and Characterization of Luminescent Zinc(II) Complexes Employing a Novel Tetrathiolate Ligand |
| Poster Session ~ #33 | **Krista Kroeninger**<br>*Geology* | Paragenesis and Biomineralization Relationships in Oceanic Upwelling System Sediments: Offshore Peru, South America |
| Poster Session ~ #5 | **Thomas Kuborn**<br>*Biology; Chemistry* | Analysis of Carotenoid Production in Five Strains of Freshwater Bacteria |
| Poster Session ~ #41 | **Chin-Feng Lai▲**<br>*Nursing* | Expedited Partner Therapy: A Practice Guideline to Improve Patient Care |
| Poster Session ~ #18 | **Adrian Landreth**<br>*Chemistry* | Synthetic Utilization and Exploration of Gallium |
| Poster Session ~ #61 | **Melanie Leadingham**<br>*Sociology* | Fox Valley Homelessness Study |
| Poster Session ~ #34 | **Quin Lenz***<br>*Geology* | Using Olivine-Hosted Spinels to Determine the Heterogeneity of the Mantle Beneath the Southern Cascades |

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|---|---|---|
| Visual Art<br>Reeve Ballroom | **Sara Lenz**<br>*Art* | *Marianne Brandt: Setting New Standards for Metal Design* |
| Poster Session ~ #43 | **Crystal Lothe**♦<br>*Nursing* | Interprofessional Healthcare Case Competition 2014 |
| Poster Session ~ #6 | **Michael Louison***♦<br>*Biology* | Use of First-Order Tributaries by Brown Trout (*Salmo trutta*) as Nursery Habitat in a Central Wisconsin Coldwater Stream Network |
| Poster Session ~ #35 | **Jordan Lubbers***<br>*Geology* | Conditions of Mineral Deposition Related to Super-Eruptions: An Example from the Lake City Caldera, SW Colorado |
| Visual Art<br>Reeve Ballroom | **Jessica Martin**<br>*Art* | *Pushing Boundaries* |
| Poster Session ~ #44 | **Stevan Mazibrada**<br>*Political Science* | The Limitations of Direct Democracy |
| Poster Session ~ #7 | **Zach Mertens**<br>*Biology* | Imaging of Surface Protein Structures of the Biofilm Forming *Flectobacillus* Species |
| Poster Session ~ #8 | **Patrick Miller**<br>*Biology* | Aquatic Invasive Species Monitoring Protocol |
| Poster Session ~ #19 | **Patrick Miller**<br>*Chemistry* | Determination of Important Amino Acids for Manganese Export in the *E.coli* Manganese Transporter MntP |
| Poster Session ~ #9 | **Samantha Mitchell**<br>*Biology* | Modulation of Intestinal Cytokines by Food Additives |
| Oral Session II<br>Reeve Room 215<br>9:30 – 10:30 a.m. | **Beth Molnar**<br>*Foreign Languages and Literatures* | "America Is No Magic Land": Oshkosh's German-Language Newspaper in 1889 |
| Oral Session I<br>Reeve Room 214<br>8:30 – 9:30 a.m. | **Jaclynn Morrow***<br>*History; Religious Studies and Anthropology* | All Eyes on Hurston |
| Visual Art<br>Reeve Ballroom | **Brittany Murawski**<br>*Art* | *Paul Renner: Futura* |
| Poster Session ~ #4 | **Mary Murphy**<br>*Biology* | Attachment of Freshwater Mixed-Bacterial Species to Biofilms |
| Poster Session ~ #42 | **Bonnie Nickasch**▲<br>*Nursing* | Improving Immunization Administration Safety |
| Poster Session ~ #43 | **Angela O'Connell**♦<br>*Nursing* | Interprofessional Healthcare Case Competition 2014 |

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|---|---|---|
| Poster Session ~ #10 | **Fauzia Osman***<br>*Biology* | Characterization of Novel Antibacterial Plant Compounds |
| Poster Session ~ #20 | **Kelsey Paltzer**<br>*Chemistry* | Energy Investigation of the Binding Reactions between Alum, Morin and Model Fibers |
| Oral Session II<br>Reeve Room 214<br>9:30 – 10:30 a.m. | **Reginald Parson**♦<br>*Public Administration* | State of the Union and the Designated Survivor: The Importance of Rebuilding Government after Decapitation of the Presidential Order of Succession |
| Poster Session ~ #39 | **Elizabeth Pieper**♦<br>*Nursing* | Evaluation of Diabetes Management in a Clinic for the Underinsured |
| Poster Session ~ #49 | **Sharayah Preman**♦<br>*Psychology* | Altruism or Egoism: A Simultaneous Alternative Test of the Empathy Altruism Hypothesis |
| Poster Session ~ #28 | **Alicia Ratajczak**<br>*Criminal Justice* | The Effects of Eyewitness Contamination on the Accuracy of Eyewitness Identification |
| Poster Session ~ #11 | **Steven Rose***♦<br>*Biology* | Impacts of Silver Nanoparticles on *Cupriavidus necator* |
| Poster Session ~ #21 | **Hannah Schoechert**<br>*Chemistry* | Structure and Luminescent Properties of Heteroleptic Zinc(II) Complexes Containing Asymmetric N,N-Heterocyclic Ligands |
| Poster Session ~ #36 | **Samuel Schoenmann**<br>*Geology* | Apatite Fission Track Analyses of Tertiary Sedimentary Rocks from the West Antarctic Rift System, Antarctica |
| Poster Session ~ #37 | **Tony Seefeldt**<br>*Geology* | The Permian Phosphoria Formation: An Example of a Complete Petroleum System |
| Poster Session ~ #43a | **Paula Shimulunas**♦<br>*Nursing* | Purposeful Rounding on a Medical/Surgical and ICU/Stepdown Unit |
| Poster Session ~ #62 | **Andrew Simoens**<br>*Sociology* | Academic Success and Intercultural Competence Post Study Abroad |
| Visual Art<br>Reeve Ballroom | **Ryan Steiskal**<br>*Geology* | Illustrations for the Article "Distributions of Cranial Pathologies Provide Evidence for Head-Butting in Dome-Headed Dinosaurs" |
| Poster Session ~ #53 | **Cheri Stoffel***♦<br>*Public Administration* | Eating Disorders and School and Work Productivity and Activity Impairment |
| Oral Session II<br>Reeve Room 215<br>9:30 – 10:30 a.m. | **Leah Tanner***<br>*English* | Those Vanished |
| Poster Session ~ #45 | **Marissa Theys**<br>*Political Science* | Identity Fusion: An Examination of Unions and Political Behavior |

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|---|---|---|
| Poster Session ~ #25 | **Karen Thompson***<br>*Communication* | Parents and Pamphlets: Unraveling Mysteries of Parent Responses to Pediatric Handouts |
| Poster Session ~ #63 | **Meghan Thompson**<br>*Sociology* | Unions Affecting Workers in Wisconsin |
| Poster Session ~ #22 | **Taylor Truttmann**<br>*Chemistry* | Finding Specific Proteins that Bind to the Small Protein MntS in the Model Bacterium *E. coli* |
| Poster Session ~ #23 | **Erica Vander Mause***<br>*Chemistry* | Factors Involved in Chromosome Condensation |
| Visual Art<br>Reeve Ballroom | **Na Thong Vang**<br>*Art* | *Marianne Brandt: The Kandem Desk Lamp* |
| Poster Session ~ #46 | **Emily Vogels**♦<br>*Psychology* | Traits and States: Evaluating the Construct Validity of Trait Empathy Measures |
| Oral Session II<br>Reeve Room 215<br>9:30 – 10:30 a.m. | **Taylor Waring***<br>*English* | Atomic Colossus: Representing the Atomic Bombings of Hiroshima and Nagasaki |
| Poster Session ~ #51 | **Chelsey Wasielewski**<br>*Psychology* | The Impact of Sexualized Commercials on the Self and Perceptions of Romantic Relationships |
| Poster Session ~ #49 | **Caitlin Weihing**♦<br>*Psychology* | Altruism or Egoism: A Simultaneous Alternative Test of the Empathy Altruism Hypothesis |
| Poster Session ~ #12 | **Elizabeth Weir***♦<br>*Biology* | Seasonal Changes in FoxP3 Expression in Small Intestine of Hibernating Ground Squirrels |
| Poster Session ~ #52 | **Kristie Wirth***<br>*Psychology* | Reducing Homophobia Through Simple Interventions |
| Poster Session ~ #54 | **Lupearly Wright***<br>*Religious Studies and Anthropology* | Magic and the Historical Jesus |
| Oral Session I<br>Reeve Room 214<br>8:30 – 9:30 a.m. | **Anna Yarish***<br>*History* | Hollywood Career Women after World War II |
| Poster Session ~ #24 | **Rilee Zeinert**<br>*Chemistry* | Characterizing MntP: A Manganese Efflux Protein |