

# Scholars Day 2011

## Thursday Poster Session

10:00 am to 2:00 pm

Wilson Library Reading Room

### Please Read Important Information:

- 1) Posters are sorted alphabetically by *Department/Program*, then by *Mentor(s)*, and finally by *Presenting Author(s)*.
- 2) Poster locations (i.e. poster numbers) will be available at the entrance of the Library's Reading Room on the day of the assigned poster session.
- 3) Presenting authors *may begin* putting up their posters at 8:30 am on the day of their poster session. Posters *should be up* by no later than 10:00 am.
- 4) Posters must be removed by 3:00 pm on the day of the assigned poster session, else the poster may be discarded.

Presenting Author(s)	CoAuthor(s)	Mentor(s)	Department/Program	Poster Title	Assigned Day
Brittany Courser		Hammond	Anthropology	<i>Community Participation in a Digital Storytelling Environment</i>	Thursday
Fiona Felker	Kaetlyn King	Stevenson	Anthropology	<i>Biology and Evolution of Art: Group Integrity and Pueblo Pottery in the 20th Century</i>	Thursday
Katrina Mar, Samuel Moss	Marie Enell, Jacqueline Rose	Rose	Behavioral Neuroscience	<i>Establishing C. elegans as a New Model Organism for Inhalant Abuse</i>	Thursday
Michael Claiborne	Peter Hoff, Jackie Rose	Rose	Behavioral Neuroscience	<i>Do Worms Feel Peer Pressure? An Evaluation of Group Dynamics in C. Elegans</i>	Thursday
Sara Knauff	Jade Brusseau, Megan Butcher, Brett Layman, Robert Bragg, Jacqueline Rose	Rose	Behavioral Neuroscience	<i>A Deletion Mutation of the C. elegans CaMKII Gene unc-43 Inhibits Associative Conditioning and Modulates Non-Associative Conditioning</i>	Thursday
Robert Park	Rachael Bakker	Pillitteri	Biology	<i>Genetic Mapping of a Novel Stomatal Development Mutant</i>	Thursday
Jen Liddle		Anthony- Cahill	Chemistry	<i>Effects of Linker Composition on Permutin Stability: Characterization of a Circularly Permuted Recombinant Sperm Whale Myoglobin Fused to GFP</i>	Thursday
Jesica Sundberg		Borda	Chemistry	<i>Particulate Nature of Matter</i>	Thursday
Tosten Haugerud	Rick Bowker, Mica Smith, Cameron Moak	Bussell	Chemistry	<i>Characterization of Metal Phosphide Hydrodesulfurization Catalysts via the ICP-MS Method</i>	Thursday
Ian Query, Phillip Squier	Nicholas Isley, Emily Larson	Clark	Chemistry	<i>Alkoxide-Catalyzed Hydroboration of Ketones</i>	Thursday
John Scott, Casey Medina	Melissa McIntosh, Cameron Moore, Alicia Michael	Clark	Chemistry	<i>Copper-Catalyzed Diboration of Carbonyl Compounds: Facile Synthesis of alpha-hydroxyboronate esters</i>	Thursday
Phillip Squier, Lillian Hale, Emily Butler		Clark	Chemistry	<i>Substrate-Directed ortho-C-H Borylation of Benzylamines</i>	Thursday
Anna Chlebowski, Seth Swanson		Gilbertson	Chemistry	<i>Synthesis of Zinc (II) Complexes of Tridentate NNN Donor Ligands to Stabilize Hydrogen Bonding in the Second Coordination Sphere</i>	Thursday
Michael Pegis		Gilbertson	Chemistry	<i>Hydrogenolysis of Cellulosic Biomass to Sorbitol Over Supported Metal Catalysts</i>	Thursday

Willie Benjamin, Matthew Perkins, Tristan Butler		Gilbertson	Chemistry	<i>The Synthesis and Effect of Orientable Florophores on Planar LSC Efficency</i>	Thursday
Anna Chlebowski	Donald Blake	Kriz	Chemistry	<i>Atmospheric Methyl Bromide in Southern California</i>	Thursday
Gabriel Matson	Isabella Romero, Morgan Schurr	Murphy	Chemistry	<i>Gold/Polypyrrole Composites on Silk Fibroin Films: An Alternative to Conventional Metal Bioelectrodes</i>	Thursday
Isabella Romero, Jack Lally, Morgan Schurr, Jake Flood, Gabriel Matson		Murphy	Chemistry	<i>Biocompatible Silk-Conducting Polymer Composite Electrodes</i>	Thursday
Kyle Carter, Jennifer Storvick	Daniel Moser	O'Neil	Chemistry	<i>A Metathesis Approach to Polyene Subunits</i>	Thursday
Colin Hanson, Leah Bergquist		Rider	Chemistry	<i>Synthesis of Cyclophanetrienes for Ring Opening Metathesis Polymerization</i>	Thursday
Arseniy Belov	Sara Kevorkian, Tanya Kieth	Smirnov	Chemistry	<i>Structural Characterization of the Cytoskeleton-Binding Fragments of Supravillin Protein, a Cancer Regulator</i>	Thursday
Stanislav Fedetchkine, Jacob Brockerman	Terry Webb	Smirnov	Chemistry	<i>NMR Structural Characterization of Non-canonically Modified DNA Dodecamer</i>	Thursday
Benjamin Allen	Heather Van Epps	Spiegel	Chemistry	<i>Protein: Protein Interactions in a Novel Neurodevelopment Pathway</i>	Thursday
Courtney Engles		Vyvyan	Chemistry	<i>Preparaion of Z-Substituted Styrenes Using Hiyama and Suzuki Cross Couplings: A Synthesis of Glandulone B.</i>	Thursday
Heidi Dimmitt		Vyvyan	Chemistry	<i>Gold(I)-Catalyzed Rearrangements of Allyl Aryl Ethers: Mechanistic and Synthetic Studies</i>	Thursday
Kevin Smith		Vyvyan	Chemistry	<i>Gold(I) Catalyzed Rearrangements of Allyl Aryl Ethers</i>	Thursday
Loagan Yarbrough		Vyvyan	Chemistry	<i>Total Synthesis of (-)-Cananodine</i>	Thursday
Ann Tran, Leanne Sebren	Brook Ashcroft, Ryan Doucette, Geoffrey Melly, Matthew Black	O'Neil and Young	Chemistry and Biology	<i>Toward the Total Synthesis of Archazolid A</i>	Thursday
Amanda Norell Bader	Anton Ilkevich, Paul Cochran, Ilya Kosilkin	Leger	Chemistry, Physics & Astronomy	<i>Precise Color Tuning via Hybrid Light-Emitting Electrochemical Cells</i>	Thursday
Daniel Huff		Krieg	Economics	<i>Time to Graduation at WWU: A Focused Study of Student Motivation</i>	Thursday
Katie Gilluly	James Skinner	McLaughlin	Environmental Science	<i>What Habitat Characteristics Determine Snag Use in Whatcom County, WA?</i>	Thursday
Monica Ponce-McDermott		Bingham	Environmental Sciences	<i>The Effects of Season and Symbiont on Lipid Content of Anthopleura Elegantissima</i>	Thursday
Terra Hiebert		Bingham	Environmental Sciences	<i>Heterotrophic Feeding and Algal Symbiosis in Anthopleura Elegantissima</i>	Thursday
Brittney Honisch		Homann	Environmental Sciences	<i>Ecological Images</i>	Thursday
Brittney Honisch		Homann	Environmental Sciences	<i>Nature: A Journey Through the Lens</i>	Thursday
Drew Schwitters		McLaughlin	Environmental Sciences	<i>Assessing the Relative Abundance and Population Composition of Native Bird Species in the Forest Interior and Edge Habitats of the Chuckanut Mountains</i>	Thursday
Jessica Hanawalt, Anna Herbel		McLaughlin	Environmental Sciences	<i>Resource Selection of Bombus bifarius for Native vs. Non-native Wildflower Species</i>	Thursday
Nicole Freshley, Stephen Anderson		McLaughlin	Environmental Sciences	<i>Effects of Habitat Area on Nesting Density of Red Winged Blackbirds</i>	Thursday
Paul Wanzek		McLaughlin	Environmental Sciences	<i>Habitat Fragmentation of the Western Chorus Frog (Pseudacris triseriata)</i>	Thursday
Connor Harron		Abel	Environmental Studies	<i>Contrasting Immersion and Consultation Service-Learning Pedagogies: A Step towards Reconstructing Personal Values and Norms</i>	Thursday
Nick Lannoye		Bach	Environmental Studies	<i>Soil Catenas at Lake Whatcom</i>	Thursday
Brian D. Gouran		Miles	Environmental Studies	<i>Variability in Seismic Mitigation Policies: A Cross-State Comparison</i>	Thursday
Andrew Bohannan, Nathan Shaller, Eric Jensen, Scott Seren	Andrew Bohannan, Nathan Shaller, Eric Jensen, Scott Seren	Bach	Geography	<i>Oil Contamination of Urban Soils</i>	Thursday
Jenna Kuczynski, Eloise Burnett, Ethan Holzer		Bach	Geography	<i>Serpentine Soils</i>	Thursday
Ian Oehler, Chris Croasdill, Robert Harvey, Hallie Adams		Buckley	Geography	<i>The Role of Yakuza in Japanese Politics, History, and Culture</i>	Thursday

Jonathan Adams-Moore, Ilsa Barrett, Barton Beckley, Cory Fakkema		Buckley	Geography	<i>A Brave New World: The Demographics of Japan</i>	Thursday
Therese Crowell		Buckley	Geography	<i>Japan's Roads to Nowhere and Unneeded Dams</i>	Thursday
Benjamin Kane		Miles	Geography	<i>Evaluating Effectiveness of an Avalanche Danger Web-Mapping Application</i>	Thursday
Tyler Kent		Stelling	Geology	<i>Hydrothermal Alteration of Open Fractures in Prospective Geothermal Drill Dores, Akutan Island, Alaska</i>	Thursday
Thomas Barkholz		Jones	Human Services Program	<i>Neighbors Helping Neighbors</i>	Thursday
Amanda Yocum, Anna Handy, Mariana Cains, and Melissa McCall		Landis	Institute of Environmental Toxicology	<i>Risk to Human Welfare Associated with the Proposed Gateway Pacific Terminal at Cherry Point, WA.</i>	Thursday
Amanda Yocum, Matthew Moroney, Aric Czaban, Angela Jung		Landis	Institute of Environmental Toxicology	<i>An Integrated Risk Assessment Including Human Welfare, Invasive Species, Construction, and Aquatic Reserve Endpoints at the Proposed Gateway Pacific Terminal at Cherry Point, WA</i>	Thursday
Julia McLean, Scott MacLennan, Aric Czaban		Landis	Institute of Environmental Toxicology	<i>Risk to the Cherry Point Aquatic Reserve from the Gateway Pacific Terminal</i>	Thursday
Matthew Moroney, Susannah Edwards, Esther Shin		Landis	Institute of Environmental Toxicology	<i>A Relative Risk Framework Examination of Non-Indigenous Species (NIS) from the Proposed SSA Marine Gateway Pacific Terminal in Cherry Point, WA</i>	Thursday
Peter Duane, Alex MacLeod, Angela Jung		Landis	Institute of Environmental Toxicology	<i>A Risk Assessment for Construction of the Cherry Point Coal Terminal</i>	Thursday
Mitch Olsen		Webb	Journalism	<i>Marketing Obesity - An Infographic</i>	Thursday
Sean Guynes		Vajda	Linguistics	<i>The Indo-European Language Family: The Balto-Slavic Branch</i>	Thursday
Anna-Mai F Christmas		Sulkin	Marine and Estuarine Science Program (MESP)	<i>Effects of Ocean Acidification on Dispersal Behavior, Feeding Rates and Growth Efficiency in Larval Crabs</i>	Thursday
Leslie Gains-Germain		Anderson	Mathematics	<i>Confidence Intervals for an Individual Inbreeding Coefficient by the Maximum Likelihood Method</i>	Thursday
Nicholas Henscheid		Glimm	Mathematics	<i>Optimal Transport and Reflecting Surface Design</i>	Thursday
Hallie McLean, Kristen Pettet, Lorryn Whisnant, Meagan Swanlund, and Stephanie Janigo		Lindsey	PEHR: Community Health Education	<i>Community Outreach Mission: Bringing Allies Together to Defeat PTSD</i>	Thursday
Nicholas Regis	Matt Martens, Amanda Norell Bader, Janelle Leger	Leger	Physics & Astroncmly, and Chemistry	<i>Providing Rectification to Organic Resistive-Switch Memory</i>	Thursday
Drew Grennell	Trevor Croswell	Boudreaux	Physics & Astronomy	<i>Promoting Reflective Thinking in the Introductory Physics Lab</i>	Thursday
Brandon Owens		Riemann	Physics & Astronomy	<i>Molecular Mechanics Calculations of Methionine on Graphite Surfaces</i>	Thursday
Joel Iwagoshi	Andreas Riemann, Russell Pearce	Riemann	Physics & Astronomy	<i>Nickel Thin Film Growth on Copper Samples</i>	Thursday
Brian Svoboda	Karin Oberg	Rines	Physics & Astronomy	<i>Radial Distribution of Molecules and Ions in the Protoplanetary Disk Around IM Lup</i>	Thursday
Cheryl-Ann Fujioka		Rines	Physics & Astronomy	<i>Determining the Faint-End of the Galaxy Luminosity Function for the Virgo Cluster</i>	Thursday
Megan Cook		Bedi	Psychology	<i>Hindering Factors in the Working Alliance as Categorized by Clients: A Pilot Study</i>	Thursday
Christina Karras		Benedetti	Teacher Education Outreach Program	<i>Increasing Handwriting Legibility Through Direct Instruction</i>	Thursday
Jessica Hunter		Benedetti	Teacher Education Outreach Program	<i>Writing Intervention for Distinguishing Letter/ Sound Correspondence</i>	Thursday
Karla Bennett		Penland	Teacher Education Outreach Program	<i>Using Curriculum-Based Evaluation to Help Students Learn about Fractions</i>	Thursday
Kate Baugh		Penland	Teacher Education Outreach Program	<i>What's the Write Way? A journey Into First Grade Writing Using the CBE Process.</i>	Thursday

Christina Karras		Werder	Teacher Education Outreach Program and Teaching-Leadership Learning Cooperative	<i>Increasing Handwriting Legibility Through Direct Instruction</i>	Thursday
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