

Scholars Day 2011

Friday 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
Alexander McVey		Kriz	Advanced Materials Science & Engineering Center (AMSEC)	<i>Study of Copper Sulfate as an Odor Control Compound in Small Pet Bedding</i>	Friday
Julia McLean, Siobhan Sloan-Evans, Matt Moroney, Wil Wrede		Smith	Air & Waste Management Association, Huxley Chapter	<i>Waste Stream Characterization at WWU: Dumpster Diving for Science</i>	Friday
Katrina Schuster	Davina Miller	Campbell	Anthropology	<i>Mapping and Spatial Analysis of 45-WH-4</i>	Friday
Kayla Ulvila		Hammond	Anthropology	<i>Going on a Nostalgic Journey: Seeking for our Lost Past</i>	Friday
Michelle Mingo		Hammond	Anthropology	<i>Participatory Action Research in Our Community</i>	Friday
Karena Rounsaville		Young	Anthropology	<i>Psychological Health and Breast Cancer</i>	Friday
Rachael Bakker	Aaron Mahoney	Pillitteri	Biology	<i>Promotor Deletion Analysis of a Stomatal Development Gene in Arabidopsis</i>	Friday
Kristin Almskaar	John Huddleston, Dietmar Schwarz	Schwarz	Biology	<i>Detecting Hybrids Between Native Snowberry Maggots and Invasive Apple Maggots</i>	Friday
Rhys Temple		Schwarz	Biology	<i>Does Life Cycle Timing Separate Invasive Apple Maggots and Native Snowberry Maggots</i>	Friday
Erika Bjorklund	Mitchell Lee, Genie Ankoudinova	Van Epps	Biology	<i>Initial Identification and Characterization of Genetic Suppressors of the Synapse and Axon Formation Gene, Syd-1</i>	Friday
Bonnie McKinney, Rachel Clark	Melissa Pfeffer, Maggie Fuqua	Serrano-Moreno	Biology and Behavioral Neuroscience	<i>Regulatory Effects of Ca²⁺ and Zn²⁺ on Connexin 38 Hemichannel Gating in Xenopus Laevis Oocytes.</i>	Friday
Janette Myers		Anthony-Cahill	Chemistry	<i>Design, Expression, Purification and Characterization of a Single-Shain Human Hemoglobin Alpha-Beta Dimer</i>	Friday
Michael Murphy		Anthony-Cahill	Chemistry	<i>Structure Determination via X-ray Crystallography of a Human Hemoglobin Containing a Circularly Permuted β-globin</i>	Friday
Ngoc-An Huynh		Anthony-Cahill	Chemistry	<i>Expression and Characterization of a Human Hemoglobin Heterotrimer Composed of a Single-Chain Dia-Globin and Two Circularly-Permuted β-Globins</i>	Friday
Seth Jones		Anthony-Cahill	Chemistry	<i>Expression, Purification and NMR Characterization of Human Hemoglobin Variants Containing Permuted β Globins.</i>	Friday

Cameron Moak	Richard Bowker, Mica Smith, Tosten Haugerud	Bussell	Chemistry	<i>Optimizing the Synthesis of a Bimetallic Phosphide Hydrotreating Catalyst</i>	Friday
Alicia Mangubat, Elizabeth Wellner	Hannah Sturtevant	Emory	Chemistry	<i>Development of a Fiber Optic Chemical Sensor</i>	Friday
Nicole Koeppen	Adam Jansons	Emory	Chemistry	<i>Nanoparticle-Based Optical Probes for Ultrasensitive Detection</i>	Friday
Brandon Crockett, Zach Thammavongsy		Gilbertson	Chemistry	<i>Hydrogen Bonding of the Secondary Coordination Sphere of Zinc and Iron Enzyme Mimics</i>	Friday
Zachary Thammavongsy, Brandon Crockett		Gilbertson	Chemistry	<i>Hydrogen Bonding of the Secondary Coordination Sphere of Zinc and Iron Enzyme Mimics</i>	Friday
Ben Lehman	Jake Flood	Murphy	Chemistry	<i>Synthesis and Characterization of Flexible Conducting Polymers</i>	Friday
Kelly Peck		Murphy	Chemistry	<i>Examination of Melanin Thin Films for use in Biomaterials</i>	Friday
Faye Orosz and Breann King		O'Neil	Chemistry	<i>Malevamide E</i>	Friday
Stephanie Pierce, Travis Nelson, Fritz Kuhlmann	Dylan Stanfield	Prody	Chemistry	<i>Ethylene Induced Depolymerization of Pectins in Petunia hybrida Pistils</i>	Friday
Alexander McVey, Miles Trotter		Raymond	Chemistry	<i>Investigation into the Molecular Dynamics of Nitrogen Oxides at the Air-Water Interface</i>	Friday
Everett Jackson, Jennifer McCarville		Raymond	Chemistry	<i>Investigations into the Surface Dynamics of Polycyclic Aromatic Hydrocarbons at the Hexane-Water Interface.</i>	Friday
Alex Nelson, Jacob Brockerman	Terry Webb, Stanislav Fedetchkine	Smirnov	Chemistry	<i>Structure/Function Investigation of the Sixth Gelsolin-like Domain of Villin</i>	Friday
Kelsey Anderson		Spiegel	Chemistry	<i>Structural Stability of Factor VIII C2 Domain, a Regulatory Cofactor in the Blood Coagulation Cascade</i>	Friday
Margaret Hunter	Justin Walter	Spiegel	Chemistry	<i>Ribosomal GTPases: Translation Factor Binding</i>	Friday
Rachel Werther		Spiegel	Chemistry	<i>Structural Studies of Human Coagulation Factor VIII C2 Domain/Inhibitory Antibody Complexes</i>	Friday
Patrick Shelton		Vyvyan	Chemistry	<i>Side Chain Synthesis for the Construction of Rupestines B & C</i>	Friday
Dara San, Brandon Werder	Chris San, Sarah Mann	Rider	Chemistry and Advanced Materials Science and Engineering Center (AMSEC)	<i>Controlled Electrochemical Synthesis of Nanostructured Inorganic Semiconductors from Amphiphilic Block-Copolymer Templates</i>	Friday
Tessa Dahl		Karlberg	Communication	<i>Media Literacy Education: Vital to K-12 and University Curricula</i>	Friday
Kelli Adams, Clay Burke, Kacia Fitzgerald, Carly Geer, and Casey Krier		Perry	Communication	<i>Sexual Harassment: Communication Climate Changes and The Effects on Interpersonal Relationships in the Workplace</i>	Friday
Ashleigh Cox		Schwartz-Dupre	Communication	<i>A Rhetorical Critique of Days of the Locust to the Biblical Plague of Exodus</i>	Friday
Isabela Diaz		Schwartz-Dupre	Communication	<i>The Sequencing of Images: A Visual Analysis of the Chilean Mine Rescue as an Iconic and Epic Narrative</i>	Friday
Kevin Bennett		Schwartz-Dupre	Communication	<i>'Navy Gay Kiss': Queer Visibility in Diesel Jeans Cutting Edge Advertisement</i>	Friday
Courtney Smith		Stout	Communication	<i>The Daily Show with Jon Stewart and Influence on Civic Engagement: How Soft News Inspires Political Action</i>	Friday
Gabe Fauber		Wang	Communication	<i>High Self-Monitoring Behavior and Perceptions of Leadership Effectiveness in a Collectivist Culture</i>	Friday
Alex Wanamaker		Morton	Engineering Technology	<i>Bicycle Information Tracking System (BITS)</i>	Friday
Brenna Forester	Eric DeChaine	Bunn	Environmental Sciences	<i>Integrating Species Distribution Modeling and Phylogeography to Assess the Impact of Climate Change on an Alpine-Arctic Plant</i>	Friday

Christopher Robertson		Bunn	Environmental Sciences	<i>Dendroclimatology of Alaska Yellow Cedar (Chamaecyparis nootkatensis) On the Mesic West Slope of the Cascade Mountains in Washington State, USA</i>	Friday
Julia McLean, Siobhan Sloan-Evans, Matt Moroney, Wil Wrede		Smith	Environmental Sciences	<i>Waste Stream Characterization at WWU: Dumpster Diving for Science</i>	Friday
Renee Ragsdale		Sofield	Environmental Sciences	<i>Evaluating the Contribution to Toxicity of Black Liquor in Pulp and Paper Mill Effluents</i>	Friday
Jacqueline Quarre		Abel	Environmental Studies	<i>Civic Involvement in Washington State Gray Wolf Management</i>	Friday
Kelley Palmer-McCarty		Bach	Environmental Studies	<i>Catena Sequence on Lopez Hill</i>	Friday
Paul Whelan		Bach	Environmental Studies	<i>Habitat Suitability Analysis for Wolverines in the Central Cascades of Washington</i>	Friday
Peter Fosmire		Bach	Environmental Studies	<i>Sediment Accretion in WWU's Stormwater Treatment Wetland</i>	Friday
Shane McKinley		Bach	Environmental Studies	<i>Soil Landscape</i>	Friday
Kadee Barello, Karsten Lundquist		Bower	Fairhaven College of Interdisciplinary Studies	<i>Songbird Nest Site Selection in a Nooksack River Riparian Habitat</i>	Friday
Andrenika Slade		Bach	Geography	<i>Lavender Distribution in Washington State</i>	Friday
Ethan Holzer		Bach	Geography	<i>Effects of Serpentine Parent Material on Soil Development</i>	Friday
Hans Howard		Bach	Geography	<i>Differences in Soil Infiltration Along Varying Slopes</i>	Friday
Amber Wichtendahl, Matt Reider		Buckley	Geography	<i>The Decline of the Global Economy and Its' Effect on Japan</i>	Friday
Matt Crowley, Nelson Lee, Jessie Robinson		Buckley	Geography	<i>Cetacean Hunting in Japan</i>	Friday
Natalie Boles		Buckley	Geography	<i>Community Involvement in Japan's Efficient Recycling System</i>	Friday
Zeck Donahue, Elizabeth Evans, Riley Jones, Ben Kane		Buckley	Geography	<i>Personal Sense of Well Being based on Passageway Design Features on WWU Campus</i>	Friday
Hayley Hinman		Debari	Geology	<i>Why is There Such a Large Amount of Mafic Minerals Present in the Pinus Lake Andesite and What Does that Say About the Evolution of this Lava Deep Beneath Mt. Baker?</i>	Friday
Sydney Wilson		Linneman	Geology	<i>Settling and Resuspension Characteristics of the Swift Creek Chrysotile Asbestos in Sumas, WA</i>	Friday
Mike Brennamen, Tiffany Go, Louise Rea, Christina Van Wingerden, Sari Weinstein		Jones	Human Services Program	<i>The HSP 2011 Census and Diversity Climate Survey</i>	Friday
Mariana Cains		Landis	Institute of Environmental Toxicology	<i>Toxicity of Chemical Mixtures in Stormwater: Malathion and Benzene Toxicity to Daphnia Magna</i>	Friday
Matthew Moroney		Matthews	Institute of Watershed Studies	<i>Culturing C. vulgaris & C. protothecoides under autotrophy and heterotrophy (with glycerol) for lipid transesterification of wet algal biomass, and examination of resulting fatty acid methyl esters</i>	Friday
Jordan Stead		Harris	Journalism	<i>Jordan Stead - Photojournalism Showcase</i>	Friday
Carey Rose		Webb	Journalism	<i>Gill Sans Spec Sheet</i>	Friday
Lacey Larsen		Webb	Journalism	<i>The female presence in news-oriented media</i>	Friday
Olivia Henry		Webb	Journalism	<i>Media Framing of Female Political Candidates</i>	Friday
Christina Van Wingerden	Andrew Dyer, Daniel Espinoza-Gonzales, Brennan Taylor, Maddie Neuman, Ben Neyman	Garcia	Karen W. Morse Institute for Leadership	<i>Learning by Leading</i>	Friday
Nikolai Jones		Anderson	Mathematics	<i>A Comparison of Methods for Testing a Predators Preference of Prey</i>	Friday

Evaline Hsu		Larson	Physics & Astronomy	<i>Measuring the Distance to Planetary Nebulae from Interstellar Reddening by NVO</i>	Friday
Trevor Morgan	Jordan Marsh, Anthony Nault, Brad Johnson, Stephen McDowall & Janelle Leger	Leger	Physics & Astronomy	<i>Plasmon Polariton Modes In High Index Dielectric Structures</i>	Friday
Dylan Kloster	E. Svoboda, R.L. Arnold, T.J. Welch, R.A. Finn, A. Vikhlinin	Rines	Physics & Astronomy	<i>Optical Scaling Relations of X-ray Selected Clusters at Moderate Redshift</i>	Friday
Shane Peper	Cole Sekedat	Seda	Physics & Astronomy	<i>Ligand Assisted Synthesis and Characterization of Fe₃O₄ Magnetic Nanoparticles</i>	Friday
Mallory Smtih		Lehman	Psychology	<i>Big Brothers Big Sisters</i>	Friday
Jeremy Anhalt		Burgess and Hanley	Secondary Education and Science, Mathematics, and Technology Education (SMATE) Program	<i>Did an Astronomy Workshop for In-Service Teachers Deliver a "Big Bang" for the Buck?</i>	Friday