

**10:10-11:30** Paper Presentations 1: Concurrent Sessions

<b>Session 1A</b>	<b>UC333</b>		
• 10:10-10:30	Selena Garefino	Anthropology	Maternal Mortality in Nepal: "Safe Birth," Health-Seeking Behaviors, Structural Violence, and the Trope of Culture
• 10:30-10:50	Forrest Jessop	Biomedical & Pharmaceutical Sciences	Particle-Induced Chronic Inflammation is Dependent upon Lysosomal Function and Autophagy
• 10:50-11:10	Lindsey Shankle	Public Health	Utilizing community-based participatory research strategies to determine intervention strategies for childhood obesity prevention in a community on a Native American Reservation
• 11:10-11:30	Peter A. Philips	Drama & Dance	Expressionism as defined through Dance and Music in Tennessee Williams' One Act Play, "Listen to the Rain and Tell Me What You Hear"
<b>Session 1B</b>	<b>UC332</b>		
• 10:10-10:30	Karyna Tytar	Linguistics	Comparative Analysis of Email Request Strategies Used by Native and Non-native Speakers of English in Academic Settings
• 10:30-10:50	Matt Metz	Wildlife Biology	Estimating predation dynamics for wolves in Yellowstone National Park
• 10:50-11:10	Adriana M Degani	Physical Therapy	Postural control: the influence of vision to multi-muscle synergies
• 11:10-11:30	Daniel N. Acton	Sociology	Juvenile Secure Confinement and Recidivism Risk: A Propensity Score Matching Approach
<b>Session 1C</b>	<b>UC331</b>		
• 10:10-10:30	Aria Mangan	Health and Human Performance	Assessment of Barriers to Wildland Firefighters' Fitness Training
• 10:30-10:50	Megan Broekemeier	Public Health	Identifying evidence-based strategies for reducing suicide in Missoula County: Findings from the Literature
• 10:50-11:10	James D Warwood	English	What About Us: Creating Queer Representation in Fanfiction
• 11:10-11:30	Jessica Moore	Counselor Education and Supervision	Athletic Trainers Empathy and Clinical Outcomes for Injured Athletes
<b>Session 1D</b>	<b>UC330</b>		
• 10:10-10:30	Ian D. Greenwood	Sociology	Establishing an Accurate Operational Definition of Cyberbullying
• 10:30-10:50	Matthew Dorton	Health and Human Performance	Impact of a Flame Resistant Synthetic Material on Heat Stress Factors
• 10:50-11:10	Annalisa Ingegno	Geography	Acknowledging Sampling Bias in Species Distribution Modelling: Predicting Botrychium sp. Habitat in Lincoln County, Montana
• 11:10-11:30	Laurel Anne T. Yorgason	Psychology	Effectiveness of Mary Ainsworth's Maternal Sensitivity Scale with Four-week-old Infants
<b>Session 1E</b>	<b>UC327</b>		
• 10:10-10:30	Guedem Dara	Economics	What Are the Impacts of the South African Child Support Grant on Children's Nutritional Status?
• 10:30-10:50	Dustin Satterfield	Sociology	Privilege, Marginalization, and Drag Communities
• 10:50-11:10	Winifred Horne Youngblood	Public Health	The Faces of Helena Food Share: Beyond Stereotype
• 11:10-11:30	Zach Miller	Society and Conservation	Managing complex park systems: Trail use and visitor experiences at Glacier National Park

**11:40-1:00** Paper Presentations 2: Concurrent Sessions

**Session 2A**

**UC333**

- 11:40-12:00 Nicholas Shankle Anthropology Expanding Consultation Practices Between the U.S. Air Force and Associated Native American Nations
- 12:00-12:20 Chelsea P. McIver Forestry Capturing the Economic Benefits of Restoration: Local Business Utilization and Opportunities for Growth in Northwestern Montana
- 12:20-12:40 Omid Khormali Mathematical Sciences On the coloring of k-distance graphs
- 12:40-1:00 Dylan DesRosier Resource Conservation From Winters to Implementation; Tribal Water Rights Settlements and Instream Flow Protection

**Session 2B**

**UC332**

- 11:40-12:00 Audrey RC Elias Interdisciplinary Studies Changes in Neuromuscular Coordination with Jump Training After ACL Reconstruction
- 12:00-12:20 Kathryn M. Oost Psychology Gender Policing in Schools and Mental Health: The Importance of Inclusive Non-Discrimination Ordinances
- 12:20-12:40 Bridget Guildner Systems Ecology Hindcasting Climatic Water Balance Scenarios in the Clearwater Refugium
- 12:40-1:00 Erika Strehl Public Health Strategies for Mitigating Vitamin A Deficiency in Mekelle, Ethiopia

**Session 2C**

**UC331**

- 11:40-12:00 Margaret Henry Literature Bringing it to the street: The Political Efficacy of Banksy's Brand in "Better Out Than In"
- 12:00-12:20 Andrew Myers Geography Which wolf, which trap? Socially constructing wolves and trapping in western Montana
- 12:20-12:40 Emily Palmieri Computer Science An Adventurous E-Reader for Non-Linear E-Books
- 12:40-1:00 Donald Belile Division of Biological Sciences Spatio-temporal Analysis of Ungulate Herbivory within Willow (*Salix* spp.) Communities on the Northern Range of Yellowstone National Park, USA

**Session 2D**

**UC330**

- 11:40-12:00 Karishma Chainani Health and Human Performance An Assessment of the Health Needs of the Transgender Community in Montana
- 12:00-12:20 Peter Metcalf Society and Conservation Human Dimensions of Migratory Wildlife in Greater Yellowstone
- 12:20-12:40 Yoonsoo Nam Economics Does a democracy improve environmental quality?
- 12:40-1:00 Priya Loess Psychology Borderline Personality Disorder, Emotion Regulation, and Self-Compassion

**Session 2E**

**UC327**

- 11:40-12:00 Doug Brugger Geosciences Testing the Stability of Coupled Hydrologic and Agricultural Systems to Changes in Climatic and Economic Conditions
- 12:00-12:20 Michael S Schaedel Forest Management The long-term effects of pre-commercial thinning on carbon storage and distribution in western larch (*Larix occidentalis*) stands of the Northern Rockies: Insights from a long-term silvicultural experiment.
- 12:20-12:40 Elizabeth Cole Biomedical & Pharmaceutical Sciences An Epigenetic Pilot Study Investigating Biomarkers in Maternal-Infant Pairs
- 12:40-1:00 Rachel Mindell English Anne Carson's *Queer Monster* in *Autobiography of Red*

**2:30-3:30**

Paper Presentations 3: Concurrent Sessions

**Session 3A**

**UC333**

- 2:30-2:50 Christina Bovinette Philosophy “Wave Function” and the Second Wave: Towards a Feminist Theory of Physics or a New Understanding of Physics in Feminism?
- 2:50-3:10 Amy Lommen Health and Human Performance Relactation: A Phenomenological Approach
- 3:10-3:30 Eryn E. Schneider Forest Management Small Scale Variability in Snow Accumulation and Ablation under a Heterogeneous Mixed-Conifer Canopy

**Session 3B**

**UC332**

- 2:30-2:50 Neil M. Bennett Economics Do Households Use Remittances to Account for Lost Income from Environmental Shocks?
- 2:50-3:10 Matt Ferguson Biomedical & Pharmaceutical Sciences The influence of wood smoke source on pro-inflammatory outcome
- 3:10-3:30 Eric Nold Chemistry and Biochemistry Protein Folding: Significance of Residue 72 in Human Cytochrome c

**Session 3C**

**UC331**

- 2:30-2:50 Kelly Bouma Drama & Dance A Final Creative Project: The Essence of Telling a Story
- 2:50-3:10 Samantha Dalton Health and Human Performance Assessing other children in the household support of exercise and healthy eating
- 3:10-3:30 Laurie Slovarp Interdisciplinary Studies Comparing Two Prophylactic Dysphagia Treatments for Patients with Head and Neck Cancer

## 2:30-3:50 PM: POSTER PRESENTATIONS

1. Alma D. Pacheco	Geography	Multi-Scale Spatio-Temporal Analysis of Brown Bear Habitat in Northern Iberia: A Large Landscape Conservation Planning Perspective
2. Amber Mauthe	Global Youth Development	Growing With Girls: An approach to intercultural programming
3. Ari Rose	Chemistry	Self-Assembling Uranium Nanostructures
4. Asia Marie S. Riel & Casey J. Massena	Chemistry	Solution and solid-phase halogen and C-H hydrogen bonding to perhenate
5. Britney Cheff	Cellular, Molecular & Microbial Biology	The role of DksA in the stringent response of the Lyme disease spirochete
6. Brittney A. Eubank	Anthropology	Investigating Sex-Differential Migration of the Lapita Peoples of the Pacific Islands Using Craniometric Data
7. Cathy Jo Beecher	Anthropology	Constructing the life ways of prehistoric women at Yellowstone National Park through the archaeological record
8. Clarice P. Matt	Forest Management	An Assessment of Biochar Amended Soilless Growing Media for the Nursery Propagation of Rocky Mountain Native Plants
9. Evan Tipton	Society & Conservation	Assessing the Character of Place to Guide Geotourism in Montana: A Case Study of Whitefish and White Sulphur Springs, Montana
10. Genevieve Lind	Biomedical & Pharmaceutical Sciences	Effects of Synaptic Frequency and Glutamate Transport on NMDA Receptor Activity at the Shaffer-CA1 Synapse
11. Ian Chrisman	Biochemistry	Characterization of ferryl species in indoleamine 2,3-dioxygenase (IDO): Implications for catalysis
12. Jacob Clement	Economics	Natural Disasters and Tourism Flows: A Bilateral Panel Analysis.
13. Jill Farnsworth	Biomedical & Pharmaceutical Sciences	Identification of human SLC1 transporters that mediate transmembrane flux of D-serine
14. Kevin L. Trout	Biomedical & Pharmaceutical Sciences	Macrophage Fusion into Multinucleated Giant Cells In Vitro
15. Leighton R. Wiegler	Anthropology	Health Seeking Behavior in Nakaseke District, Uganda
16. Levi J. McClelland	Chemistry and Biochemistry	Identification and characterization of a yeast iso-1-cytochrome c C-terminal domain swapped dimer
17. Lia Harrington	Psychology	The Tower of Hanoi in Dynamic Creative Problem Solving
18. Mark Primosch	Psychology	Culture, depression, and somatization: A tale of two paradigms
19. Matthew J. Weaver	Biomedical & Pharmaceutical Sciences	Improved efficacy for a novel class of G-quadruplex binding anti-tumor agents
20. Montana S. Hodges	Interdisciplinary Studies	Newly discovered Jurassic-age fossil coral and implications for North American coral recovery after the end-Triassic mass extinction
21. Nicholas B. Wageling	Chemistry	Anion Selectivity and Catalytic Potential of a Bidentate Halogen Bonding Receptor
22. Sascha Stump	Toxicology	Anthracenyl isoxazole amides (AIMs) stabilize quadruplex DNA structures in telomeric and c-MYC promoter sequences
23. Sophia Carvalho	Center for Environmental Health Sciences	Inhaled Nanoparticles Prompt Inflammatory Responses in the Lung
24. Susan Ocean	Psychology	Childhood Trauma-Related Nightmares: The Relationship Between Exposure, Relaxation, and Rescripting Therapy and Cognitive Functions
25. Tahereh Ziglari	Biomedical & Pharmaceutical Sciences	Generation of a stable LLC cell line expressing GFP
26. Thomas Gallagher	Education Leadership	Baccalaureate Degree Completion Time of Students at the Two-Year College of the University of Montana