Conference Schedule

Friday, March 29th

8am-4pm: Yellowstone Tour. Buses depart 8am from Best Western Grantree Inn parking lot.

4pm: Registration open in Norm Asbjornson Hall (NAH), 2nd floor.

Friday on-campus dinner recommendation: Rendezvous Dining Hall.

6pm: *Scribendi* Reception (with hors d’oeuvres), NAH 165.

7:15pm: Opening Remarks from Bozeman Mayor Cyndy Andrus, NAH Inspiration Hall

Keynote Address, NAH Inspiration Hall: Filmmaker John Heminway

(Introduced by Dean Ilse-Mari Lee, MSU Honors College)

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Saturday, March 30th

—Registration open from 7am, NAH 2nd floor—

First Session: 8am-9am

Panel #1 (Research): NAH 337
Moderator: Dr. Ben Leubner, MSU Bozeman
Colton Lee, Metropolitan State University of Denver: “Proposal for Research of the Infinite Predicate of God”
Sierra DeWalt, Chapman University: “The Portrayal of Death in the Tao Te Ching”

Panel #2 (Research): NAH 329
Moderator: Mitchell Faris, MSU Bozeman
Nadine Sevier, Southern Utah University: “Weimar Cinema (1919-1933): Cultural Reflections”
Alexis Wheeler, University of Washington, Tacoma: “Engaging the Past to Contextualize the Present”
Nancy Regis, Mount Saint Mary’s University, Los Angeles: “Ethnic Identity: First Generation Latinos in College”

Panel #3 (Research): NAH 325
Moderator: Sheridan Johnson, MSU Bozeman
Vanessa Giramata, Washington State University: “Mindfulness: A Way to Increase Connection and a Sense of Belonging”
Carmen Ramos, Mount Saint Mary’s University, Los Angeles: “A Study of Differences in Promoting OCBs and Which OCBs Become Prominent”
Pippa Russell, Chapman University: “Sansa Stark: A Feminine Hero”

Panel #4 (Research): NAH 321
Moderator: Bailey Servais, MSU Bozeman
Abigail Hale, University of Idaho: “Phosphorus Resuspension by Boating”
Jonathan Karlen, University of Montana: “Long Term Changes in Seaweed Abundance in the Gulf of Maine: Climate Change Impacts?”
Mary Burr, Montana State University, Bozeman: “Characterizing the Growth Kinetics of Unique Methanotrophs”

Panel #5 (Research): NAH 153
Moderator: Jonathan Cox, MSU Bozeman
Erinn Dockins, California State Polytechnic University, Pomona: “University Police Department Service Calls Data Analytics”
Christopher Erickson & Eric Kearney, Metropolitan State University of Denver: “Using a Model System to Demonstrate the Potential Benefits of Artificial Intelligence: Building a Safer Driver Utilizing a Raspberry-Pi Computer and OpenCV”
Panel #6 (Research): NAH 137
Moderator: Natalie Sturm, MSU Bozeman
Taylor Alyssa Pulver, Southern Utah University: “Nutrition Related to Multiple Sclerosis”
Jane Kim & Erin Walton, California State Polytechnic University, Pomona: “Understanding Type 2 Diabetes Patients’ Greatest Challenges and Influences to Increase Patient Satisfaction with Medication Treatments, Healthcare Providers, and Healthcare Systems”

Panel #7 (High Energy, Low Time): NAH 165
Moderator: Rebecca Rebovich, MSU Bozeman
Halie Hagerty, Southern Utah University: “Finding Funds for Fun: SUU Honors You”
Stacey Sinclair (Director, Weber Honors College), San Diego State University: “Making Honors Hip: Systematic Integration of High Impact Practices (HIP) into the Honors Curriculum”
Maria Rojas, Sarah Grulikowski, & Hannah Howard, Southern Oregon University: “From Learners to Leaders: How SOU Honors College Students Take the Lead”
Caitlin Diefendorf, Southern Oregon University: “Take the Lead: Service Learning Projects in Honors Programs”

Panel #8 (Faculty Round Table): NAH 331 (The Nest)
Dr. Melissa Matthewson, Southern Oregon University: “Building Community in the First Year Honors Seminar”

* Second Session: 9am-10am *

Panel #1 (Research): NAH 337
Moderator: Elizabeth Mans, MSU Bozeman
Sarah Sissum, Southern Oregon University: “Angloromani: A Case Study in Language Decay and Cultural Discrimination”
Roberta Irvin, University of Montana: “The Rise and Fall of the Indian Boarding Schools”
Margaret Nation, Metropolitan State University of Denver: “Creating Culturally Appropriate Immigrant Healthcare Services Using Anthropology”

Panel #2 (Research): NAH 329
Moderator: Joaquin Monterrosa, MSU Bozeman
Brenna Angwin, GateWay Community College: “The History of Advertising and the Impact On You”
Zandria Michaud, University of Washington, Tacoma: “Selling Togetherness: Family Vacation Advertising”
Dr. Billy Clouse, Southern Utah University: “Thunderground: Turning a Crazy Idea into a Reality”

Panel #3 (Research): NAH 321
Moderator: Matthew Thompson, MSU Bozeman
Amanda Christensen, University of Wyoming: “The Functional Role of Protein Citrullination in the Lactating Mouse Mammary Gland”
Owen Canterbury, Washington State University: “Novel Model for Blindness Generated Using Inducible CRISPR/Cas9 Genome Editing in Zebrafish”
Panel #4 (High Energy, Low Time): NAH 153
Moderator: Emily Dardis, MSU Bozeman
Amanda Vigil, Central Arizona College: “Media’s Effect on Female Body Image”
Daniel Heithoff, Idaho State University: “Live Your Life Without Limit”
Kasey Kingsley, Scottsdale Community College: “A Grandin Idea”

Panel #5 (High Energy, Low Time): NAH 137
Moderator: Cameron Blegen, MSU Bozeman
Krishna Oung, Metropolitan State University of Denver: “Project Management: Business Methods Made Easy”
Jake Ogo, Central Arizona College: “The Effects of Space Exploration: As Above, So Below”
Cameron Blegen, Montana State University: “Viability of Personal Recording Device Recordings in Gunshot Acoustic Forensic Analysis”

Panel #6 (Creative Exhibition): NAH 165—THE POWER OF TECHNOLOGY
Moderators: Dr. Logan Schultz & Emma Sundeen, MSU Bozeman
Alyssa Aragon & Hyunju Blemel, The University of New Mexico: “What Makes An Engaging Honors Newsletter”
Alyssa Aragon & Hyunju Blemel, The University of New Mexico: “Marketing Your Honors Program: Designing an Honors Newsletter Using Adobe InDesign”

Panel #7 (Faculty Round Table): NAH 331 (The Nest)
Dr. Liliana Delgadillo, Montana State University, Billings: “Assessing the Validity of the Central Resource Theory Against the Multiple Resource Theory”

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Third Session: 10am-11am

Panel #1 (Research): NAH 337
Moderator: Sheridan Johnson, MSU Bozeman
Caitlyn Keeve, Mount Saint Mary’s University, Los Angeles: “Discovery, Strategic Retention, and Social Support: A Comparative Case Study of Women Pilots in United States and Indian Aviation”
Hannah Telling & Madison Minter, Montana State University, Bozeman: “Stripping Layers: Performance, Exotic Dance, and the West”
Xena Peña, Mount Saint Mary’s University, Los Angeles: “The Latin American Perspective: Machismo in Rape Culture”

Panel #2 (Research): NAH 329
Moderator: Bailey Servais, MSU Bozeman
Jessica Mancuso, Southern Utah University: “Comparative Advantage Recycling in South America”
Emily Wood, University of Wyoming: “Voluntourism Uncovered: Creating a Standard for Meaningful Work”
Kim Andersen, Washington State University: “Honors Internationalization at Washington State University: Perspectives and Assessment”
Panel #3 (Research): NAH 325
Moderator: Matthew Thompson, MSU Bozeman
Courtney Klappenbach, Washington State University: “Campylobacter Jejuni Drives Structural Changes in Host Cell Focal Adhesions”
Tylee Trevizo, Southern Utah University: “Lethal White Overo Syndrome: Cause and Prevention”
Kaylee Mackenzie, Metropolitan State University of Denver: “Using a Two-port Olfactometer to Determine the Ideal Attractants for Aedes albopictus and Aedes aegypti Mosquito Species”

Panel #4 (Research): NAH 321
Moderator: Natalie Sturm, MSU Bozeman
Alice Cassel, University of Idaho: “Defining the Mid Locus in Mycobacterium Smegmatis via Distributive Conjugal Transer”
Brooke Kern, University of Montana: “The Genetic Basis of a Flower Color Polymorphism in Mimulus Bicolor (Yellow-and-White-Monkeyflower)”
Kenya Nicole Gates, Red Rocks Community College: “Investigating the Community Differences of Fungal Endophytes in Insect-affected and Non-affected Conifers”

Panel #5 (High Energy, Low Time): NAH 137
Moderator: Jonathan Cox, MSU Bozeman
Wyatt Hinkle & Catherine Gable, Colorado School of Mines: “Addressing Student Reality: The Effects of Campus Culture on Impostor Syndrome and Mental Health”
Noah Hill, University of Montana: “What Do You Want To Be When You Grow Up?”
Zoe Barley, Chapman University: “The Importance of Outdoor Education in Creating Happy Children and a Successful Society”

Panel #6 (High Energy, Low Time): NAH 153
Moderator: Mitchell Faris, MSU Bozeman
Kenni Littlefield, Utah Valley University: “The Way and Virtue of Language”
Emily Engen, University of Montana Western: “Creating Lifelong Readers: Guiding Students to Overcome Teenage Reading Resistance”
Joshua Sheen, Utah Valley University: “When Music Marches to War”
Matthew Herrin, University of Montana Western: “Glass Working and You”

Panel #7 (Creative Exhibition): NAH 165
Moderators: Dr. Logan Schultz and Emma Sundeen, MSU Bozeman
Lauren Larson, University of Montana: “Voice: A Graphic Novel”
Carolyn Davio, Chapman University: “The Positive Influence of Mindfulness”

Panel #8 (Faculty Round Table): NAH 331 (The Nest)
Dr. Prakash Chenjeri, Southern Oregon University: “Integrating Civic Virtues in Honors Curriculum: Science, Democracy, and Citizenship”
Fourth Session: 11am-12pm

Panel #1 (Research): NAH 337
Moderator: Rebecca Rebrowich, MSU Bozeman
Derrick Espadas, University of Arizona: “The Nontraditional Undergraduate: Identity, Motivation, and Acceptance”
Caleb Paulson, Southern Utah University: “Ideals of Leadership in Higher Education”
Blaresa Herrera, Mount Saint Mary's University, Los Angeles: “The Influence of Teenage Pregnancy on Latina Mothers in Pursuit of Higher Education”

Panel #2 (Research): NAH 329
Moderator: Dr. Ben Leubner, MSU Bozeman
Andrew Smith, Metropolitan State University of Denver: “Our Strategic Ally in the South: A Quantitative Analysis of the U.S./Argentine Relationship since 1983”
Alexander Ballard & Kina Wong, Chapman University: “Kennedy versus Krushchev: The Battle for Cold War Supremacy in Africa”
Kylie Miller, Chapman University: “Globalism and Right-Wing Populism: A Study of the Reactions to Globalization, and the Conflicting Definitions of Sovereignty on which Each Reaction Relies”

Panel #3 (Research): NAH 325
Moderator: Joaquin Monterrosa, MSU Bozeman
Dhanak Kainaat, GateWay Community College: “The Future is Female: Devastating Truth, Scientifically Proven”
Natalya Usachenko, University of Idaho: “Analysis of Glauconized Gastropod Fossils from the Early Carboniferous”

Panel #4 (Research): NAH 321
Moderator: Elliott Pryor, MSU Bozeman
Peter Kuefzting, California State Polytechnic University, Pomona: “Quantitative Model of PLG 10-90 to Simulate Mechanical Responses for Anterior Cruciate Ligament Reconstructive Innovation”
Jenny Chen, University of California, Davis: “New Anticancer Therapeutic? Hexamethylene Amilorid (HMA)”

Panel #5 (Research): NAH 153
Moderator: Cameron Blegen, MSU Bozeman
Brenna Peever, University of Idaho: “Connecting the Dots: A Combinatorial Geometry Problem”
Manisha Jaiswal, Red Rocks Community College: “Modeling Probability of Simulated Mouse Movements in a Maze”
Panel #6 (High Energy, Low Time): NAH 165
Moderator: Elizabeth Mans, MSU Bozeman
Madeleine Coles, Idaho State University: “Janet Malcolm and the Paradox of Ethical Journalism”
Miles Maxcer, Montana State University: “Passionate Storytelling Changes the World”
Shelby Lafrinere, Metropolitan State University of Denver: “H.I.P. H.O.P.—Healing Interpersonally, Healing Our Planet”

Panel #7 (High Energy, Low Time): NAH 137
Moderator: Madison Tandberg, MSU Bozeman
Theresa Leo, University of Washington: “The Trauma and Neglect of International Children in America”
Emily Flores, Dixie State University: “‘Los Doyers’: Our Boys in Blue”
Zaira Alejandra Rojas Navarro, University of Washington: “¿Por qué no los dos?”

Panel #8 (Faculty Round Table): NAH 331 (The Nest)
Dr. Amaris Ketcham, University of New Mexico: “Courting Creativity”

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12pm: Lunch

*Poster Presentations: 12:30pm-2:30pm, Inspiration Hall*
(see below for full list of poster presentations)

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Fifth Session: 1pm-2pm

Panel #1 (Research): NAH 337
Moderator: Mitchell Faris, MSU Bozeman
Joseph Effingham, Idaho State University: “Got Bone? Building Networks Between Forensic Anthropology and Law Enforcement in Rural Intermountain West, Idaho”
Angelica Necor, Mount Saint Mary’s University, Los Angeles: “Psychopathy: Should Serial Killers Live Among Us”
Madeline Gines, Southern Utah University: “As the Smoke Clears: Using a Social Justice Lens to Lead a Tobacco-Free Campus Initiative”

Panel #2 (Research): NAH 329
Moderator: Sheridan Johnson, MSU Bozeman
Kayla Parnin, Idaho State University: “Shattered Peace: International Media Portrayal of the 2017 Icelandic Murder of Birna Brjansdottir”
Dalton Rupp, Metropolitan State University of Denver: “The Glass Curtain: Privacy Policy in the Age of Social Media”
Taylor Topham, Brigham Young University: “‘Rescued by the State’: Peter Parley’s Annual and the 1862 Revised Code of Education”
Panel #3 (Research): NAH 325
Moderator: Matthew Thompson, MSU Bozeman
Will Rogers, Montana State University, Bozeman: “Host Niche, Social Organization, and Phylogeny as Possible Determinants of Microbiome Structure”
Michaela Laughlin, Central Arizona College: “Vulture Culture: Foraging Habits of the Turkey Vulture”
Lindsey Popken, University of California, Davis: “Cuddle Party! The Use of Narratives by Pacific Coast Animal Sanctuaries to Further Sea Otter Conservation”

Panel #4 (Research): NAH 321
Moderator: Emily Dardis, MSU Bozeman
Hannah Haddadi, Metropolitan State University of Denver: “Why Art Therapy Should Be More Accessible to Children, Teens, and Adolescents”
Linda Boquilla, GateWay Community College: “The Nursing Assistant’s Role in PTSD Treatment”
Nancy Regis, Mount Saint Mary’s University, Los Angeles: “Ethnic Identity: First Generation Latinos in College”

Panel #5 (Research): NAH 153
Moderator: Elliott Pryor, MSU Bozeman
Tyler Topham, University of Nevada, Las Vegas: “Temperature Feedback Using the Fission Matrix for a TRIGA Reactor”
Jet F. Pruett, Metropolitan State University of Denver: “The Forgotten Future of Thorium”
Brenden Pelkie, Montana State University, Bozeman: “Analysis of Rayleigh-Benard Convection with Magnetic Resonance Imaging”

Panel #6 (Research): NAH 137
Moderator: Joaquin Monterrosa, MSU Bozeman
Jay Melzer, Cochise College: “A Brief Cultural History of Utopian Shol”
Quinton Willis, Cochise College: “Urbis Tor: A Utopia on a Hill”

Panel #7 (High Energy, Low Time): NAH 165
Moderator: Dr. Logan Schultz, MSU Bozeman
Josh Hillis, Utah State University: “Germ Cell-Depleted Ovaries Improve Metabolic Health in the Post-Reproductive Mouse Model”
Trevis Crider, Metropolitan State University of Denver: “Counterintuitive Tools for Reducing Emotional Eating Frequency”
Kyleigh Tyler, Utah State University: “Supplement Your Life”
Francesca Crocker, University of Washington, Tacoma: “Art and the Atom Bomb: Media in the Nuclear Era”

Panel #8 (Faculty Round Table): NAH 331 (The Nest)
Dr. Billy Clouse, Southern Utah University: “UReCA: Publishing Undergraduate Excellence”

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Sixth Session: 2pm-3pm

Panel #1 (Research): NAH 337
Moderator: Rebecca Rebrovich, MSU Bozeman
McKenna Beam, Metropolitan State University of Denver: “Literacy Practices Comparison: Bridging the Gap Between Literacy Practices Used in the Elementary Classroom and the Practices that Teachers Value”
Julissa Loza Mendez, California State Polytechnic University, Pomona: “Spanish Heritage Language Processing: Using Rosetta Stone to Impact Heritage Spanish”
Samantha De La O, Mount Saint Mary’s University, Los Angeles: “Depression Among First Generation Latino Students Seeking Higher Education”

Panel #2 (Research): NAH 329
Moderator: Madison Tandberg, MSU Bozeman
Liam Price, Metropolitan State University of Denver: “Frequency of Gestures in American Political Speech”
Nathan Roundy, Utah Valley University: “Gays for Trump: Understanding Gay Conservatism”
Abigail Dunn, University of Idaho: “Formal and Content-Based Critiques of Authority: A Narratological Post-Colonial Reading of Chimamanda Ngozi Adichie’s Half of a Yellow Sun”

Panel #3 (Research): NAH 325
Moderator: Natalie Sturm, MSU Bozeman
Kathryn Hilburn, Montana State University, Bozeman: “Supporting Local Montana Food Producers with Student Research”
Viral Shukla, Connie Chin, Matthew Jordan, Dr. Olive Yao Li, & Dr. Gabriel Davidov-Pardo, California State Polytechnic University, Pomona: “Development of High Protein, Gluten-Free Pasta Using Pulse Flour Fractions”
Sarah Caballero & Dr. Gabriel Davidov-Pardo, California State Polytechnic University, Pomona: “Use of a Common Browning Reaction in Food to Stabilize Emulsions in Acidic Conditions”

Panel #4 (Research): NAH 321
Moderator: Elizabeth Mans, MSU Bozeman
Mallory Maas, GateWay Community College: “Are You ACTUALLY Doing Well?”
Vanessa Hernandez, Mount Saint Mary’s University, Los Angeles: “Social Isolation: Elderly Latina Women”
Jacquelynn Windeshausen, Southern Oregon University: “The Effects of Early Childhood on Long Term Academic Success”

Panel #5 (Research): NAH 153
Moderator: Bailey Servais, MSU Bozeman
Nathan Sharp, Southern Utah University: “The Diet for Your Eyes”
Rebecca Dickson, University of Washington, Tacoma: “A Culminating Crisis: A Study of Chagas Disease in Bolivia”
Jayden Riedel, Central Arizona College: “An Unexpected Solution”
Panel #6 (Research): NAH 165
Moderator: Elliott Pryor, MSU Bozeman
Samuel Myers, University of Idaho: “Constraining Theories of Planetary Formation of Evolution”
Kaitlynn Skinner, Metropolitan State University of Denver: “Conversion and Utilization of Abundant CO2 and Various Martian Natural Resources for Energy Production for in situ Research and Short-Term Habitation”
Matthew Self, University of California, Davis: “Breaking Degeneracies in Weak Lensing 2.0”

Panel #7 (Research): NAH 137
Moderator: Dr. Ben Leubner, Nadine MSU Bozeman
Sam Lund-Brown, Metropolitan State University of Denver: “The Power of the Voice: Teaching Opera in High School”

Panel #8 (Faculty Round Table): NAH 331 (The Nest)
Drs. Nicholas Barnes & Reilly Nycum: “Turning Learners Into Leaders: The Democracy Project at Southern Oregon University”

* Creative Exhibition: 3:15pm-4:30pm, Inspiration Hall
Moderators: Dr. Logan Schultz & Emma Sundeen
Part One: A MINDFUL STRUGGLE
Alannah Gee, University of Wyoming: “Stolen Words”
Jasmine Magana, Dixie State University: “The Celebration of Heartache”
Part Two: MSU Tippet Rise Arts Exhibition

* Conference Social Hour: 4:30-5:30pm

* 5:30pm-6:30pm: Dinner, NAH 2nd and 3rd Floors
7pm: Keynote Address, Inspiration Hall: Dan Wenk, former Superintendent of Yellowstone Park (Introduced by Dean Ilse-Mari Lee, MSU Honors College)

* Sunday, March 31st
WRHC Business Meeting, 9am, Museum of the Rockies

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AN IMPORTANT REMINDER TO ALL CONFERENCE ATTENDEES AND PRESENTERS: PLEASE BE RESPECTFUL OF NORM ASBJORNSON HALL IN PARTICULAR AND THE MSU CAMPUS IN GENERAL; USE THE APPROPRIATE BINS WHEN DISPOSING OF WASTE AND RECYCLABLES. IF YOU HAVE ANY QUESTIONS THROUGHOUT THE COURSE OF THE CONFERENCE, LOOK FOR SOMEONE IN A CONFERENCE VEST: WE'RE HERE TO HELP YOU IN WHATEVER WAY WE CAN.

AN IMPORTANT REMINDER TO ALL PRESENTERS: RESEARCH PRESENTERS, PLEASE BE SURE THAT YOUR PRESENTATIONS DO NOT EXCEED 15 MINUTES. HIGH ENERGY/LOW TIME PRESENTERS, PLEASE BE SURE THAT YOUR PRESENTATIONS DO NOT EXCEED 10 MINUTES. BECAUSE THE WRHC CONFERENCE IS LIMITED TO ONE FULL DAY OF PRESENTATIONS, IT'S A VERY BUSY DAY—HELP US STAY ON SCHEDULE!!

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2019 WRHC Conference Poster Presentations
Marina Alvarado, Cal Poly Pomona: “Lymphotactin Expression and Its Protective Role in West Nile Virus”
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Bekah Anderson, MSU Bozeman: “Characterization of Microplastics in Precipitation”
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Matt Armbrust, Utah State University: “Molecular Phylogeny of Two Distinct Type-IV CRISPR-associated (Cas) Proteins”
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Alexis Bahn, MSU Bozeman: “An Exploratory Analysis on the Effects of The Young Writer's Program; a Mixed Methods Study”
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Raven Barbera, UC Davis: “Physiological and Behavioral Responses of Diploid (8N) and Triploid (12N) White Sturgeon, Acipenser transmontanus, to Hypoxia”
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Tyler Barton, Tabitha Long, Lisa Petot, Cody Fackrell & Cameron John, Utah Valley University: “Influence of Online Comments on One’s Perception of a Culturally-Based News Article”
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Thomas Bisom, University of Montana: “Behavioral Impacts of Octopamine Release on a Global vs. Local Scale”
*  
Abbey Bowser, Cochise College: “The Influence of Cattle Grazing on Wildlife Activity Along the Arizona-Mexico Border”
*  
Brittney Bringuez, Chapman University: “A 53-Year War: Foreign Influence and Prioritization of Life and Peace in Colombia, South America”
*  
Natalie Brown & Hayley Nelson, Chapman University: “ʔókoč and the Economy”
*  
Jacqueline van Bronkhorst, Chapman University: “Harry Potter in the Age of Trump”
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Alice Cassel, University of Idaho: “Morphometric analysis of floral characteristics associated with shifts to wind pollination in meadow-rues (Thalictrum, Ranunculaceae): comparing herbarium specimens to fresh specimens”
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Carla Castillo, Cal Poly Pomona: “Towards Multilingual Search – Gathering Multilingual Query Logs using Crowdsourcing”

Soumilee Chaudhuri, MSU Bozeman: “Researching Writing Center Tutoring Practices to Aid STEM Writers”

Emily Kate Chojnacky, Idaho State: “Void Space and Overall Alteration”

Lauren Clark, University of Montana: “The Domestication of the Cochineal”


Melissa Coyle, Chapman University: “Simultaneous Targeting of mTOR and mLST8 in Human Breast Cancer Cells”

Justin Lanz Tabay Cortez, Cal Poly Pomona: “Expanding the Chemist’s Toolbox for Synthesis of Pharmaceuticals via Nickel-catalyzed Decarbonylation”

Dani Daley, MSU Bozeman: “MSU Student Perceptions of Pay Equity”

Ren Dimico, University of Idaho: “Enhancing Student Learning, Understanding, and Retention in a CURE Laboratory”

Olivia Cruickshank Duquin, MSU Bozeman: “Mesoamerican Nephropathy and Increased Heat Exposure Among Nicaraguan Sugarcane Workers”

Henry Fessler, MSU Bozeman: “Context Directed Sorting: Robustness and Complexity”

Jennifer Frazee, UNLV: “Exploring the Unknown: LEAS of Fibromyalgia”

Sarah Gallup & Aurora Krebs, MSU Billings: “Studying Codon Bias and Kidney Dysfunction in a Mouse Model for Familial Dysautonomia”

Emily Gelbart, UNLV: “Evaluating Long-term Change in Soil Seed Banks, Fertile Islands, and Rare Plant Communities in the Eastern Mojave Desert”

Samantha Haines & Sabrina Bishop, University of Alaska Fairbanks: “DNA Repair in Virally Infected Cells”

Nora Hendricks, University of Portland: “Examining the Effect of Maternal Obesity on Vitamin D Metabolism in the Placenta”

Beth Hoots, University of Idaho: “Ecology of Ponds in the Southern Andes of Ecuador Across an Urban-Rural Gradient”


Emma Jones, Fort Lewis College: “As Good as STEM: An Argument to Maintain Higher Education Art Programs”
Ellen Kershisnik, Utah Valley University: “Stories That Must Be Shared: A Collaborative Approach to Rape”

Grant Klug, MSU Bozeman: “Purification and Characterization of Antibodies and Immunoconjugates Against HIV”

Theresa Leo, University of Washington Tacoma: “The Success of the United States Educational System and What it May Learn From Another Success Story”

Rudi Lien, MSU Bozeman: “Mechanisms of Microbially Mediated Dolomite Formation in the Great Salt Lake”

Andi Madsen, Portland State University: “It Lurks in the Saying, Not in What’s Being Said’: Possible Worlds Theory and Gender Performativity in Marina Carr’s ‘Low in the Dark’”


Priya Mistry, Chapman University: “Modulation of ocular epithelial cell mucins expression by proinflammatory cytokines”

Shelby Moss, Utah Valley University: “Service Learning in a Macro Social Work Context - Annual Alternative Prom”

Ines Murekatete, Utah Valley University: “College Education for Refugee Students: Barriers to Success at Utah Valley University”

Jonathan Napier, University of Alaska Fairbanks: “Niche Overlap of Polar Bears and Brown Bears in Coastal Arctic Alaska”

Irene Ngo & Jaylen Davis, Cal Poly Pomona: “Arabian Horse Foal Information as a Bioassay for Environmental and Husbandry Changes”

Gavin O’Boyle, MSU Bozeman: “Identification of Enzymes Capable of Catabolizing PET”

Tristan O’Donoghue, University of Alaska Fairbanks: “DNA Repair Dynamics in Colon Adenocarcinoma Cell Lines”

McKenzie Peay, Utah Valley University: “Medical Direction in Respiratory Care”

Garrett Peters, MSU Bozeman: “Metabolic Fitness Allows Escherichia coli to Reside in the Human Gut”

Sophia J. Quinton, UNLV: “The Correlation of L1HS Expression Levels with Mitochondrial Gene Expression Levels”

Shreya Sheth, Chapman University: “Politicizing Disaster Response: The Impact of Partisanship on Hurricane Recovery Efforts in Puerto Rico”

Sankalp Sinha, UC Davis: “A Machine Learning Classifier to Accurately Predict the Incidence of Type 2 Diabetes”

Barbra Sobhani, Melanie Brandt, & Meredith Hibit, Red Rocks Community College: “Experiential Learning in Costa Rica: A Tale of Two Honors Programs”

Amanda Solomon, BYU: “Sexual and Gender-based Violence Against Arab Refugee Women”

Caroline Stahl, Danae Filpula Ankney, & Maddie Quinn, MSU Bozeman: “Hyperobjects”

Madison Thibado, University of Portland: “Invasive Species Management Through Automated Removal Coordination”

Benjamin Trudgeon, MSU Bozeman: “Classification and Application of Biosurfactants Produced by Polar Microbes”

Melina G. Wulin Ulloa, Cal State Fullerton: “Perceived Physical Functioning and Depression in Adults with and without Fibromyalgia”

Danielle Watson-Bowers, Utah Valley University: “Stories That Must Be Shared: A Collaborative Approach to Rape”

Jessy Wolff, University of Washington: “Addressing Poverty Through Microfinance”


Kaitlin Yap, University of Portland: “Health Perceptions of Adults Living in a Transitional Housing Setting”

Alyssa Yocky, Fort Lewis College: “The Rhetoric of Propaganda: American War Posters of World War I”