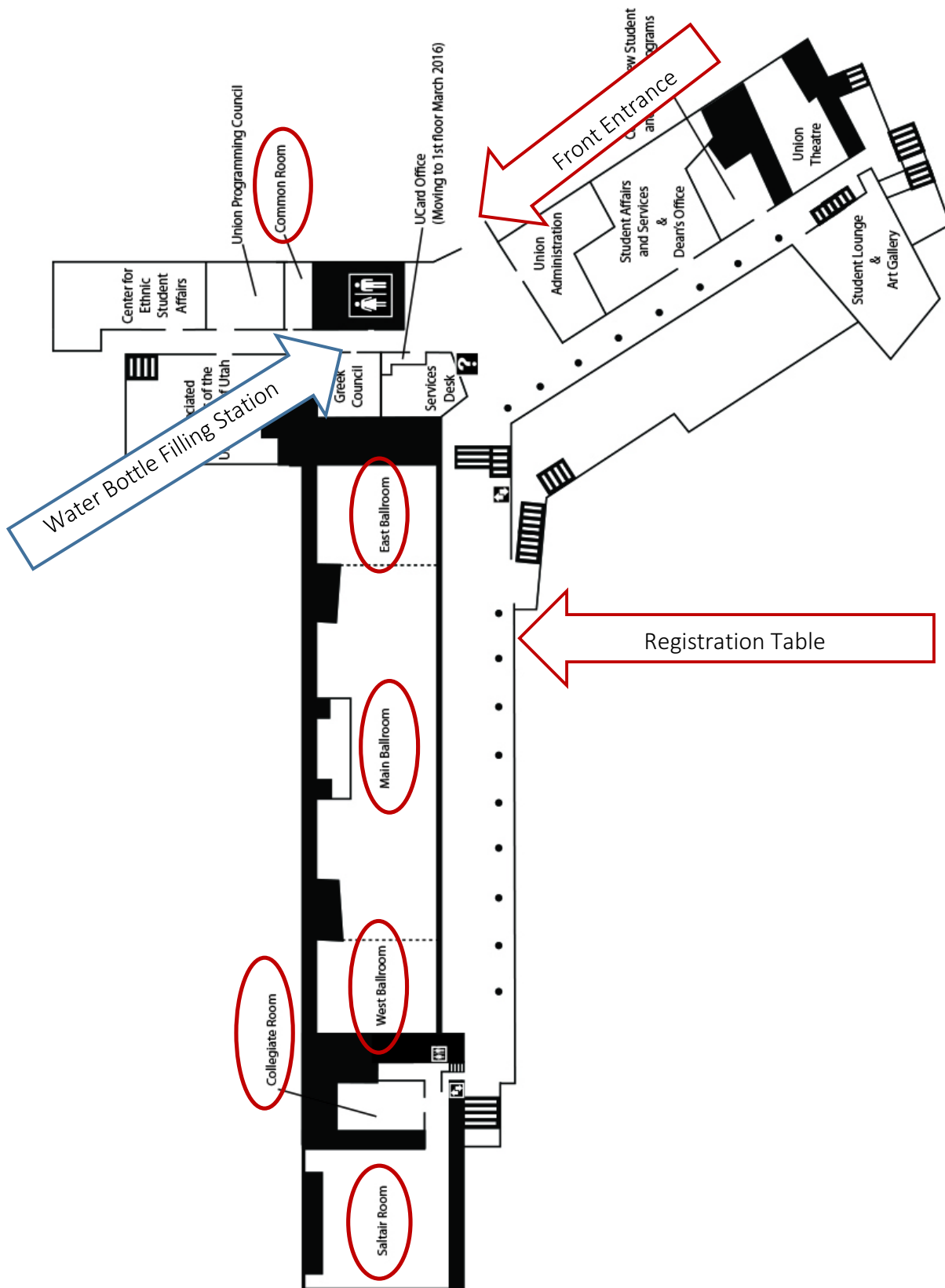


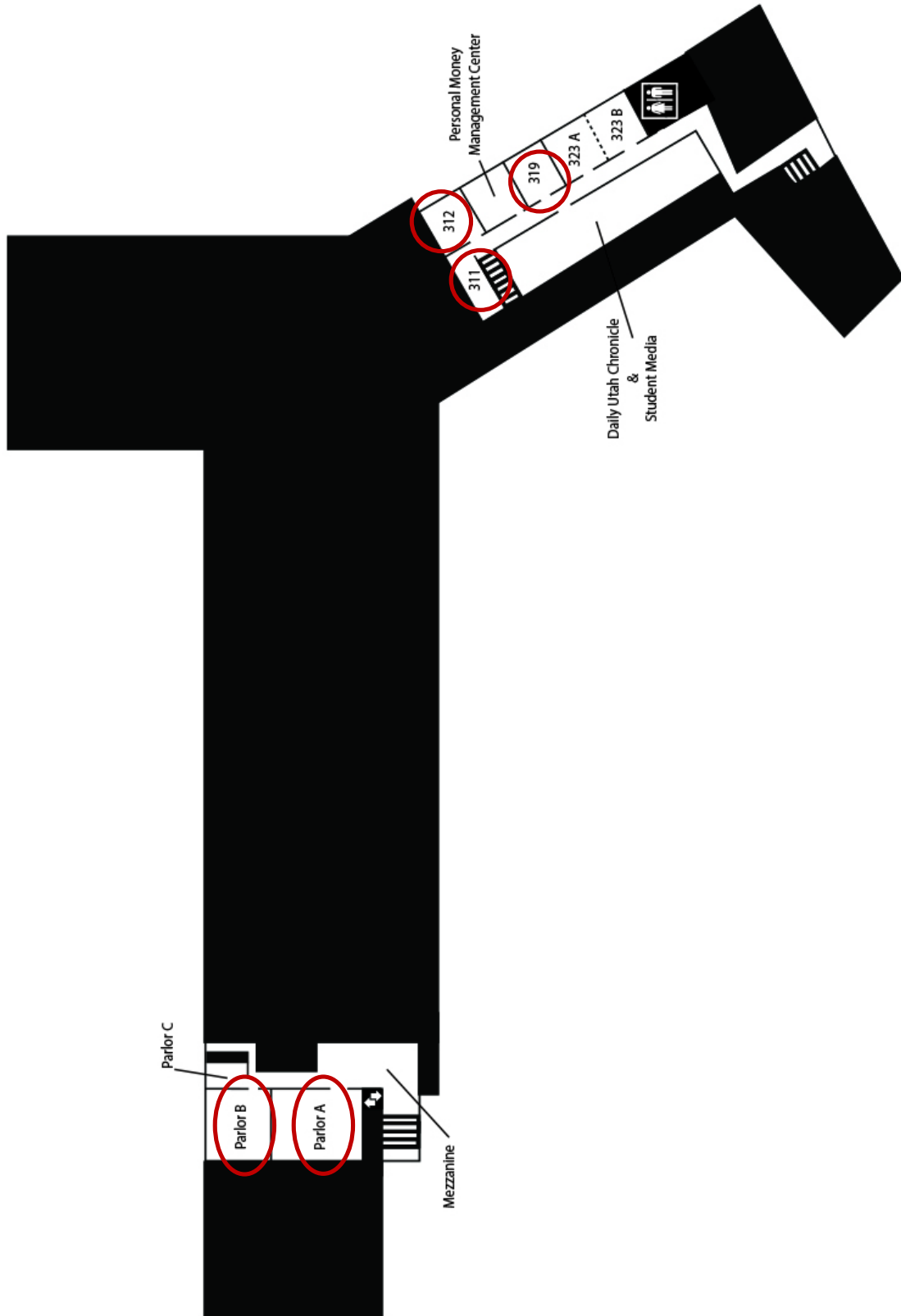
UCUR 2016 Schedule & Program



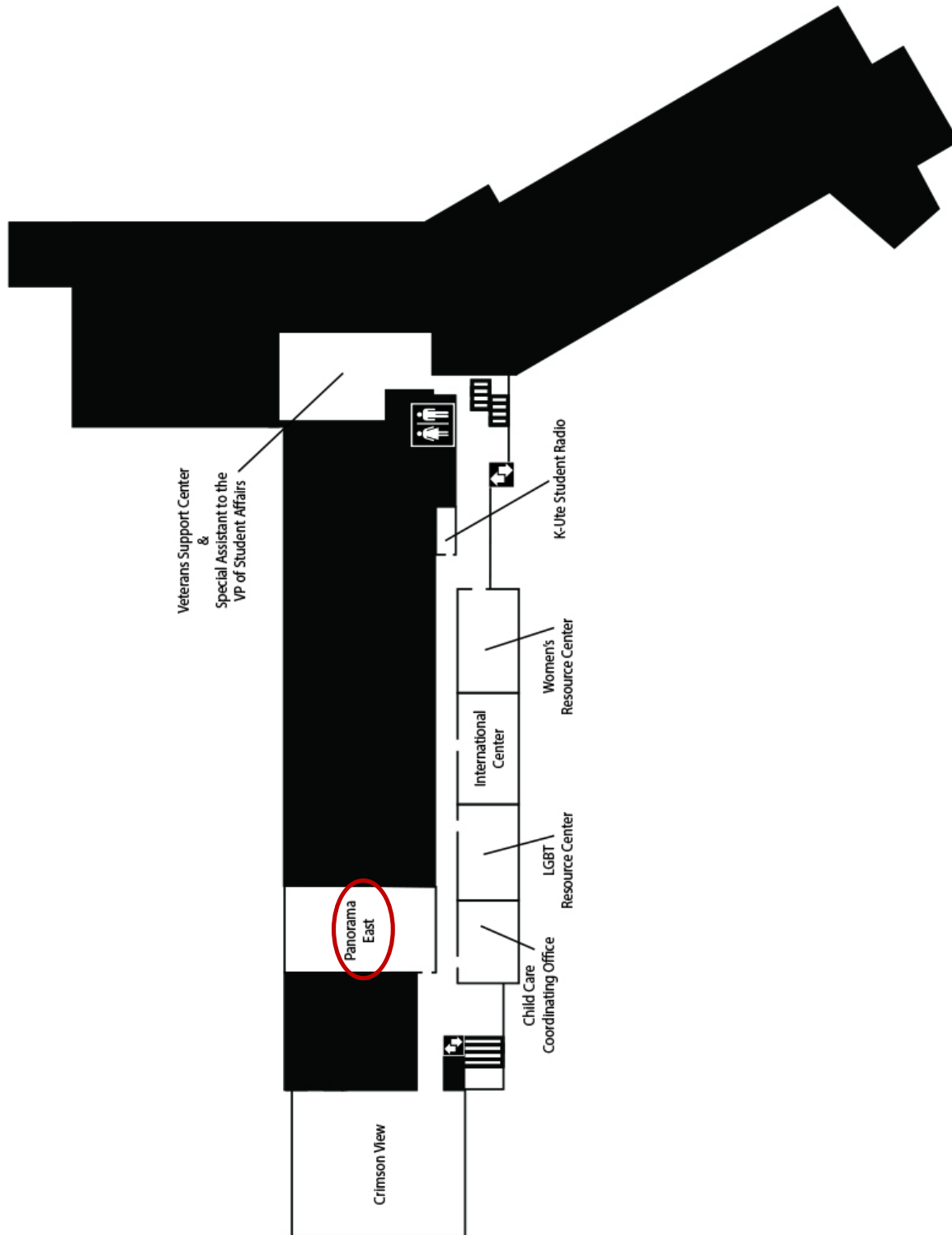
Map of the Union Building Level 2



Map of the Union Building Level 3



Map of the Union Building Level 4



UCUR 2016 SCHEDULE

	Corridor	Ballroom	Saltair	Collegiate Room	Common Room	Rooms throughout Union Bldg.
8:00 AM	Check-In 8:00 AM - 1:00PM					
8:30 AM		<i>Breakfast available for purchase on Union lower level</i>				
9:00 AM		Welcome 9:00 AM - 9:20 AM				
9:30 AM						
10:00 AM			Poster Session I 9:30 AM - 10:50 AM	Oral Session I 9:30 AM - 10:45 AM	Oral Session I 9:30 AM - 10:45 AM	Oral Session I 9:30 AM - 10:45 AM
10:30 AM						
11:00 AM		Keynote 11:00 AM - 11:40 AM				
11:30 AM						
12:00 PM		Lunch 11:50 AM - 1:50 PM	Poster Session II 11:50 AM - 1:10 PM		Steering Committee Lunch Meeting 12:00 PM - 12:50 PM	
12:30 PM						
1:00 PM				Preparing for Graduate School 1:00 PM - 2:00 PM <i>David Kieda Donna White Graduate School</i>		Oral Session II 12:30PM - 2:30PM
1:30 PM						
2:00 PM						
2:30 PM				Preparing for Medical School 2:30 PM - 3:30 PM <i>Benjamin Chan School of Medicine</i>		
3:00 PM			Poster Session III 2:40 PM - 4:00 PM		Oral Session III 2:40 PM - 4:40 PM	Oral Session III 2:40 PM - 4:40 PM
3:30 PM		Snacks 3:30 PM - 4:30 PM				
4:00 PM						
4:30 PM						

Thank you for coming - please travel safely!

UCUR 2016 PROGRAM

- **Check-in – Corridor, 8:00 AM – 1:00 PM**
Please make sure to check-in to get your name tag, lunch ticket, and UCUR 2016 water bottle.
- **Welcome – Ballroom, 9:00 AM – 9:20 AM**
Presented by Office of Undergraduate Research Director Rachel Hayes-Harb and Associate Vice President for Research Cynthia Furse
- **Keynote Address – Ballroom, 11:00 AM – 11:40 AM**
- **Lunch – Ballroom, 11:50 AM – 1:50 PM**
Please bring your lunch ticket with you to the Ballroom, pick up your lunch, and enjoy!
- **Steering Committee Lunch Meeting – Common Room 12:00 PM – 12:50 PM**
- **Breakout Session: Preparing for Graduate School – Collegiate Room, 1:00 PM – 2:00 PM**
Presented by Dean David Kieda and Associate Dean Donna White of the Graduate School
In this session you will learn about how to prepare for graduate school, including how to translate your undergraduate research experience into graduate school applications. This session will be helpful to any student intending to apply to graduate school in the next year or so.
- **Breakout Session: Preparing for Medical School – Collegiate Room, 2:30 PM – 3:30 PM**
Presented by Professor Benjamin Chan of the School of Medicine
In this session you will learn about how to prepare for medical school, including how to translate your undergraduate research experience into medical school applications. This session will be helpful to any student intending to apply to medical school in the next year or so.
- **Oral Session I – Union Bldg, 9:30 AM – 10:45 AM**
- **Oral Session II – Union Bldg, 12:30 PM – 2:30 PM**
- **Oral Session III – Union Bldg, 2:40 PM – 4:40 PM**
- **Poster Session I – Saltair, 9:30 AM – 10:50 AM**
- **Poster Session II – Saltair, 11:50 AM – 1:10 PM**
- **Poster Session III – Saltair, 2:40 PM – 4:00 PM**

Oral Session I – 9:30 - 10:45 AM

Room 311 Biological Sciences & Medicine

Moderator: Andrew Merryweather (Mechanical Engineering)

9:30	Avani Latchireddi (University of Utah); Wade Mather; Joseph Tonna	Improvement of Care in Surgical Intensive Care Unit Through Family Feedback
9:45	Nicole Burnett (University of Utah)	A Framework for Validating Modeled Air Quality Data in Health Research
10:00	Christine L Fiscer (Dixie State University); Dannelle Larsen-Rife; Jeremy Scritchfeild; Desiree Irvine; Craig Demke; Lyndsey Craig; Barbara Tortella Balbas; RonJai Staton	Seen But Not Heard: Coercion in Labor and Delivery
10:15	Katie Robinson (Utah State University)	Synthesizing and transcribing RNA for Crystallization
10:30	Alec M Judd (Brigham Young University)	The effect of gut microbiota on starvation resistance in <i>Drosophila melanogaster</i>

Room 312 Social Sciences, Humanities & Education

Moderator: Larry Bench (Sociology)

9:30	Hadley Hege (University of Utah)	A Proposal for Legislation: How To Reduce Recidivism Rates Among Utah Female Offenders
9:45	Zack Oldroyd (Utah State University)	An Ethical Analysis of the Early Drug War Rhetoric
10:00	Marissa Shirley (Utah State University)	May Swenson: The Development of a Legacy
10:15	Mariko Azuma (University of Utah)	The Effects of Re-contextualization on Vernacular Architecture: Yin Yu Tang House
10:30	Casey Susan Koldewyn (University of Utah); Vic Schiffman; Adriana Haws; Shaylee Tulane	Group-Strength vs. Individual Effort

Oral Session I – 9:30 - 10:45 AM

Room 319 **Biological Sciences & Medicine**

Moderator: Jon Groot (Exercise & Sport Science)

9:30	Karen de la Cruz (Brigham Young University); Kaeli Thomas	Title: Anemia Research in Africa: Interpreting Unexpected Results
9:45	Jacob Lee Dangerfield (Brigham Young University)	Tissue Engineered Vascular Graft for Surgical Implantation
10:00	Corinne Penrod (Brigham Young University)	MAGNAMWAR - Mono-Associated Gnotobiotic Animal Meta-Genome Wide Association R Package
10:15	Jerry Bounsanga (University of Utah); Maren W Voss; Anthony B Crum; Man Hung	Medicare Part B Utilization and Payment: A National Study of Family Practice Providers
10:30	Christopher Reynolds (Southern Utah University)	Phosphatidylserine-containing Supported Lipid Bilayer as a Separation Medium for Copper Binding Compounds

Ballroom East **Social Sciences, Humanities & Education**

Moderator: Martine Green-Rogers (Theatre)

9:30	Deven R Jennings (Brigham Young University)	PTSD In the Veteran Population: An Education Simulation for Nursing Students
9:45	Nicholas Nelson (Brigham Young University); Patrick Stockdale; Michelle Baek; Katie Fairholm; Clint Morris; Nicole Rice; Shannon Rose; Kurt Williams; Elizabeth G. Bailey;	Learning Gains from Recurring "Teach and Question" Homework Assignment in an Introductory Biology Course for Non-Majors: Utilizing Reciprocal Peer Tutoring Outside of Class
10:00	Lauren Michelle Bray (Utah Valley University); Camron Robinson	Consistency of Values, Beliefs and Actions
10:15	Brett Whitney (Utah State University); Mason Lefler; Lindi Andreasen; Brian Belland; Nam Ju Kim; Andrew Walker	A meta-analysis of computer-based scaffolding in sub-domains of mathematics and science
10:30	Hannah Winward (Utah State University)	Benefit Corporations: A New Take on Capitalism

Oral Session I – 9:30 - 10:45 AM

Ballroom West Social Sciences, Humanities & Education

Moderator: Jennifer Seagrave (LEAP)

9:30	Colby Townsend (University of Utah)	The Use of Scripture in 1 Enoch 1-36
9:45	Sam Quinn Passey (Dixie State University)	Creating A Monster: Attachment Theory in Mary Shelly Frankenstein
10:00	Jordan Sgro (Brigham Young University)	Effects of frequent marital communication and decision-making on psychological outcomes: A study of older adults
10:15	Lyndsey Katherine Craig (Dixie State University); Christy Fiscer; RonJai Staton; Michelle Hammon; Deborah M Decker; Jeramy Schritchfield; Sam Passey; Barbara Tortella Balbas; Amy Harmon; Dannelle Larsen-Rife	I Want You to Want Me: Attachment and Pornography Use in Relationship Satisfaction
10:30	Morgan Kirk (Dixie State University)	Utilizing Black Mentors at Predominately White insitutions providing a sense of belonging to Black students at Dixie State University.

Collegiate Room Engineering, Math & Physical Science

Moderator: Erich Petersen (Geology & Geophysics)

9:30	Brett Dagan Pielstick (Brigham Young University)	Vertical Axis Turbine Wake Interaction
9:45	Jonathan Whittier Boyle (University of Utah); Gordon Thomson; Gabriel Madigan; JiHee Kim	Characterization of the Atmosphere above the Telescope Array using the MDFD 2010 Data Set
10:00	Alex Jafek (Brigham Young University)	Human Power Energy Harnessing: A Systems Engineering Approach
10:15	Steven David Wood (Utah State University); Wade H Goodridge; Benjamin James Call	Spatial Ability Training in Statics
10:30	Mackenzie Alice Simper (University of Utah)	The Bak-Sneppen Model of Biological Evolution

Oral Session I – 9:30 - 10:45 AM

Common Room Biological Sciences & Medicine

Moderator: Barbara Wirostko (Ophthalmology & Visual Sciences)

9:30	Fei Wang (University of Utah)	In vitro evaluation of silver nanoparticles to treat acute sinusitis
9:45	David Bennion (University of Utah)	Validation of Force Pedals for Bilateral Strength Deficiency Testing
10:00	Zachary A. Coffman (Utah Valley University); Nicole Cowan; Timothy E. Doyle	Phantom Results Strongly Correlate to a 73-Patient High-Frequency Ultrasound Study of Breast Cancer Surgical Margins
10:15	Joshua Allen Peterson (Brigham Young University); Jason Donald Kenealey	Effect of Resveratrol Derivatives on PMCA in Breast Cancer
10:30	Mark Rigby (Brigham Young University); Jonathan Jacobs; Keaton Karlinsey; Tyler Brown	Nerve Growth Factor Increases Repair of Crushed Peripheral Nerves

Panorama Room Social Sciences, Humanities & Education

Moderator: Trafton Drew (Psychology)

9:30	Jackie Hobson (Utah Valley University); Christopher Anderson	Weight Management Differences Between Emerging Adults and Adults
9:45	Debra Fotheringham (Utah Valley University)	Battling Boredom during the Utah War: Entertainment in Camp Floyd and Fairfield, 1858-1861
10:00	Kelsey Jetter (Dixie State University)	The Liminal Gutter: The Literary Impact of Memoir Graphic Novels
10:15	Michael Timo Hoggard (Utah State University)	Barriers to Health Care Access for the Cache County Refugee Population
10:30	Mathew Cameron Walker (Weber State University); Kylee Hallows; Colleen Packer	Transforming Utah: Focusing on How Transgender Persons Negotiate Their Identities

Oral Session I – 9:30 - 10:45 AM

Parlor A Biological Sciences & Medicine

Moderator: Chatherine Sherwin (Pediatrics)

9:30	Kyle Olsen (Brigham Young University); John Chaston	Effects of Host Microbiota on Intestinal Fiber Content
9:45	Coral Gardner (Southern Utah University)	Revision of Colossendeis colossea Wilson, 1881 (Pycnogonida: Family Colossendeidae)
10:00	Kent Christian Johnson (Westminster College); William A. Deutschman	Determination of Sugar Metabolism Profiles for Non-Traditional Brewing Yeasts of the Genus Brettanomyces
10:15	Tanner Ravsten (Brigham Young University); William Pitt; Neal Bangerter; Chris Wagstaff; Jessica Doud; Clara Gleason	Bio-orthogonal Metastatic Cancer Imaging in Gels
10:30	Whitney Nicole Hansen (Southern Utah University); Chris Monson; Mason Valentine; Cameron Cooper	Supportive Lipid Bilayer Stripping via Microfluidics

Parlor B Social Sciences, Humanities & Education

Moderator: Liz Taylor (Undergraduate Studies)

9:30	Elizabeth Gamarra (University of Utah)	Resettlement experiences of children who entered the United States as refugees
9:45	Man Hung (University of Utah); Anthony B Crum; Jerry Bounsanga; Maren W Voss; Wei Chen; Wendy C Birmingham	Trends of depression across regions in the United States
10:00	Hannah Ellen Hendrickson (University of Utah)	Improving Health Outcomes for People Facing Homelessness
10:15	Lisa Echols (Brigham Young University)	Health System Learning: Understanding Performance Improvement in Nursing Education
10:30	Monica Scott (University of Utah); Akiko Kamimura; Lenora Olson	Experiences of Immigrant Women Who Applied for Violence Against Women Act (VAWA) self-petition: Analysis of Legal Affidavits

End of Oral Session I

Oral Session II – 12:30 - 2:30 PM

Room 311 Engineering, Math & Physical Science

Moderator: Inese Ivans (Physics & Astronomy)

12:30	Hailey Hanson (Weber State University)	The Use of Lighter-Than-Air, and Wind-Powered Airfoil Platforms to Take Aerial Photography
12:45	Taylor Max Welker (Brigham Young University)	Study of the Meniscus of Water at the Nanofluidic Level
1:00	Rebecca Loren Maedgen (Southern Utah University)	Evaluation of the Stereochemical Selectivity of the Nucleophilic Addition Reactions of the Menthylmagnesium Chloride Grignard Reagent with Electrophiles
1:15	Loren Atwood (Brigham Young University)	Applying Chemical Reactions to Calculations of Atmospheric Dispersion of a Toxic Chemical in Air
1:30	Troy Joseph Raen (University of Utah); Benjamin Bromley; Anil Seth	Predicting Orbital Properties of High Velocity Stars Near the Galactic Center
1:45	Shawn M LeBaron (Brigham Young University); Sarah Fletcher; Adin Martineau; Benjamin Hilton; Anton E Bowden; David T Fullwood	A Wearable Piezoresistive Interface to Virtual Reality
2:00	Michael Zhao (University of Utah)	Optimization of a Logo Recognition System
2:15	Andrew Orme (Brigham Young University); Isaac Chelladurai; Devin Adams; David Fullwood; Michael Miles	Data Mining Approach to Revising MG AZ31 Twin Formation Models

Oral Session II – 12:30 - 2:30 PM

Room 312 Biological Sciences & Medicine

Moderator: Stacy Manwaring (Communication Sciences & Disorders)

12:30	Christopher Mansfield (Westminster College); Frank Black	Environmental Influences of Methylmercury Photo-Degradation Rates at the Great Salt Lake
12:45	David Walton (Brigham Young University); Harper Christensen	Treatment of Diabetic Peripheral Neuropathy by Lysophosphatidylcholine and Nerve Growth Factor
1:00	Lacey Miller Eden (Brigham Young University); Janelle Macintosh; Karlen Elizabeth Luthy; Kailey Jo Hawkins; Emily Mather	NICU Immunization Rates - No Baby Left Behind
1:15	Arthur Adaon Castleton (Brigham Young University); Donnie Feifer; Kaitlyn Johnson; Brady Vance; Michael George Stewart; Ryan Joseph Goodman; Matthew Zimmerman; Joseph Bloxham; Alonzo David Cook	Differentiation of iPSCs into cardiomyocytes utilizing extracellular matrix
1:30	Morgan D Homan (Brigham Young University); Jeff G Edwards; Zoie Badura; Roxanne Miller; Tyler Hammond; Myriah Lewis; Jacob Welch	Running Exercise Mitigates the Negative Consequences of Stress on Hippocampal LTP
1:45	Nicole Cowan (Utah Valley University); Zachary A. Coffman; Robyn K. Omer; Benjamin Finch; Timothy E. Doyle	Micro-Tumor Detectability Studies using Histology Mimicking Phantoms: Evaluating the Sensitivity of High-Frequency Ultrasound to Breast Cancer
2:00	Chandler Warr (Brigham Young University)	Pancreatic Beta Cell Organoids from Induced Pluripotent Stem Cells

Oral Session II – 12:30 - 2:30 PM

Room 319 Social Sciences, Humanities & Education

Moderator: Claudia Geist (Sociology)

12:30	McKade Alton Christensen (Dixie State University); Nancy Ross	Emotional Hooks: The impact of photography in the media
12:45	Jacob Leo Boothe (Utah Valley University)	Socrates and the Dionysian Abyss
1:00	Cynthia Chen (University of Utah)	Examining the Use of Exoticism as Pedagogy in Schumann's Album for the Young
1:15	Avenel Kaitlyn Rolfsen (Westminster College)	People on the Periphery: The Situation of Jewish Women in North Africa during World War II
1:30	Janelle Gherasim (Utah Valley University)	GEOCHEMICAL AND SOCIOLOGICAL STUDY OF BACKYARD WELLS AND GARDENS IN UTAH VALLEY, UTAH
1:45	Holly Reynolds (University of Utah)	Gay Families in the 1950s: "Don't we Count?"
2:00	Jerry Bounsanga (University of Utah); Man Hung; Maren W Voss; Anthony B Crum; Wei Chen; Wendy C Birmingham	The influence of social support on health outcomes in the older population

Oral Session II – 12:30 - 2:30 PM

Ballroom East **Biological Sciences & Medicine**

Moderator: Lisa Joss-Moore (Pediatrics)

12:30	Kailey Goodman (Brigham Young University)	International Nursing Student Collaboration: Finland and U.S.
12:45	James David Broadbent (Brigham Young University)	Elucidation of Mechanisms Whereby Embryonic Chicken Limbs Develop
1:00	Emma DeLoughery (Westminster College); Brian Avery; Thomas DeLoughery	A retrospective study of the pro-coagulants rFVIIa, 4-factor PCC, and a rFVIIa and 3-factor PCC cocktail in improving bleeding outcomes in the warfarin and non-warfarin patient
1:15	James Tang Zhao (University of Utah)	Lung Setd8 mRNA Expression Peaks During Alveolar Formation in the Rat
1:30	Tyler Robert Augenstein (Brigham Young University); Brent Nielsen	The Role of a Single Stranded Binding Protein in Plant Mitochondrial and Chloroplast DNA Replication
1:45	Collin D Hansen (Brigham Young University)	Insights into Human Diseases with Plant Mitochondria
2:00	Jeremy V Scritchfield (Dixie State University); Dannelle Larsen-Rife; Haley Anderson; Christine Fiscer; Lyndsey Craig; Barbara Tortella Balbas; Ronjai Z. Staton	More Than a Feeling: An Evaluation of Pitocin Use in Obstetrics
2:15	Brianne Palmer (Utah State University)	How's your Aspen? Assessing the Variance in Stomatal Size and Frequency among Cytotypes of Quaking Aspen

Oral Session II – 12:30 - 2:30 PM

Ballroom West Social Sciences, Humanities & Education

Moderator: Casey Hemmis (Biochemistry)

12:30	Paul Dishman (Utah Valley University); Brandon I Reas	Using Eye-Tracking to Understand Efficacy of Digital and Static Outdoor Advertisements
12:45	Patrick Clemens Stewart (University of Utah)	A Real-World Investigation of the Attentional Capture Paradigm
1:00	Elizabeth Anne Jarrard (Utah Valley University)	Words and World-View in Feminist Thought: How Religion Informs Women's Internal Dialogue.
1:15	Erica Michelle Hawvermale (Utah State University)	Sense of Community in High School Extracurricular Activities
1:30	Amy Harmon (Dixie State University); Sam Passey; Lyndsey Craig; Jeremy V. Scratchfield; Christine Fiscer; Dannelle Larsen-Rife	Stress and Coping: PlayBased Therapy in Hospitalized Children
1:45	Heather Karns (Dixie State University)	Atticus the Segregationist
2:00	Madeline Fowers Baum (Utah Valley University)	Russia's Imitation Act through Don Quixote

Panorama Room Social Sciences, Humanities & Education

Moderator: James Curry (Political Science)

12:30	Lacy Ann Bentley (Utah Valley University); Cameron John	Female Early Childhood Pornography Exposure: An Exploration and Comparison
12:45	Patrick Lynch (Dixie State University)	An Application of Joseph Campbell's Monomyth to non-Western European Myths
1:00	Millie Tullis (Utah State University)	Sylvia Plath: A Study in Adolescent Influences
1:15	Emily Stephens (University of Utah)	Do Children Affect an Abused Parent's Choice to Seek Treatment?
1:30	Joshua David Halsey (Utah Valley University)	(Dis)Ability and Homosexuality: Exploring the Rhetoric of Non-Normative Identities
1:45	Nathan Edward Porter (University of Utah)	The Best of Both Habits: John Stuart Mill, William Wordsworth, and the Power of Poetry
2:00	Bethany L Gull (Utah Valley University)	Empowerment Through Body Ownership: Experiences of Disaffiliating and Formerly Mormon Women
2:15	Kira Kiko Lian (University of Utah)	Barriers to Adequate Healthcare for Trans and Gender Nonconforming People

Oral Session II – 12:30 - 2:30 PM

Parlor A Social Sciences, Humanities & Education

Moderator: Jenna Kirchgasser (Study Abroad)

12:30	Zack Oldroyd (Utah State University); Courtney Flint; Phillip Andre Valle; Alexander Brown; Charles Mascher; Elizabeth Wynn	Utah Water Voices
12:45	James McGraw (Utah Valley University)	The Read-a-Difference Fellowship: A pilot study on childhood motivation to read
1:00	James Holden Brimhall (Brigham Young University); Kelsie Pead; Leslie Miles; Linda Mabey; Julie Valentine	Prevalence and Impact of Sexual Assault on those with Mental Illness: A Retrospective Study
1:15	Jon Westover (Utah Valley University); Sean Costello	Examining Leadership of the Global Millennial Generation in the Workplace
1:30	Angela Platt (Utah Valley University); Cheryl Hanewicz	Learner-centered Teaching in Online Technology Class
1:45	Thora Elisebeth Lieby Moore (Dixie State University)	Dracula, the Gothic Gospel
2:00	Susanne Arlette Crawford (Dixie State University)	William Tyndale's Translation of the Bible and Its Effect on the English Language
2:15	Bailee Christiansen (Dixie State University)	The B is Silent: The Portrayal of Bisexuality in Buffy the Vampire Slayer

Oral Session II – 12:30 - 2:30 PM

Parlor B Social Sciences, Humanities & Education

Moderator: Aaron Kaplan (Linguistics)

12:30	Jacob Leo Boothe (Utah Valley University)	Monomyth Mountain: Hans Castorp and the Hero Quest
12:45	Renee Delcambre (Utah State University)	Domestic Violence in Mass Media: An Analysis of Messages, Images, & Meanings in Motion Pictures
1:00	Hillary Hermansen (University of Utah)	Male Mediators of Feminine Subjects: Translation in Clarice Lispector
1:15	Mykel Loren Brinkerhoff (University of Utah)	Reanalyzing "Backward" Gemination in Italian
1:30	Jackson Link (Westminster College); Andy Wilson	The Interaction Between Temperament, Skill and Blaming in Online Video Games
1:45	Anastasia Najarian (University of Utah); Raymond Kesner; Jeanine Stefanucci	Treating Dual Diagnosis by Addressing the Genesis of Self-Sabotage
2:00	Jonathan B Frehner (Southern Utah University)	Availability of information on federal aid and a student's enrollment
2:15	Satenik Cherbechyan (Utah State University)	The Ethics of Global vs. Domestic Charity: The Case of Cotopaxi

End of Oral Session II

Oral Session III – 2:40 - 4:40 PM

Room 311 Biological Sciences & Medicine

Moderator: Melinda Angus-Hill (Internal Medicine)

2:40	Alysha Marie Scheeler (University of Utah); Nitin Phadnis	Identifying the genes that contribute to hybrid male sterility in <i>D. pseudoobscura</i>
2:55	Naveen Rathi (University of Utah); Bruce Gale	Testing of a Microfluidic Device for Cell Separation
3:10	Kaitlyn Johnson (Brigham Young University)	Does a Heart Build Itself? A study in cardiomyocyte cell differentiation
3:25	Lindsey Shaw (Brigham Young University)	Health System Learning: Understanding Performance Improvement in a Post-Surgery Hospital Unit
3:40	Alessandro Perego (Brigham Young University)	Fabrication of Dye Sensitized Solar Cells Using Native and Non-Native Nanocrystals in Ferritin
3:55	Donald Earl Pfeifer (Brigham Young University)	Efficacy of autologous fibrin glue in adult stem cell adherence to decellularized porcine scaffold
4:10	Abdulrahman Sulaiman Almasoudi (Utah Valley University)	How project ASL can change the way of rescuing in the EMS field
4:25	Mena Davidson (Westminster College); Christy Clay; Julianna Jimreivat; Daniel Goodman	Crop Pest Communities Along an Urban Gradient

Oral Session III – 2:40 - 4:40 PM

Room 312 Social Sciences, Humanities & Education

Moderator: Christie Toth (Writing & Rhetoric Studies)

2:40	Mike McNeil (Brigham Young University); Gaye Ray	Simulation Increases Understanding of Poverty in Future Healthcare Providers
2:55	Bret John Nielson (Utah State University)	Sexual-Spiritual Development: An Integration Process of Homosexuality and Spirituality among Non-Heterosexual Latter-day Saint Men in Mixed-Orientation Marriages
3:10	Preston Stratford (Utah Valley University)	Using the development of problem solving and teamwork skills as predictors of student retention and course completion in science course.
3:25	Christina Summers (Weber State University); John Silito	Utah's UFOs: An Alien Viewpoint
3:40	Colby Townsend (University of Utah)	The Yahwist's Influence on the Book of Mormon
3:55	Lacy Bentley (Utah Valley University); Scott May; Malisa Brooks; Dr. Kristine Doty	Comparing the Adjustment Patterns Between Early Returned LDS Missionaries and Full-term Missionaries
4:10	Katie Fronk (Southern Utah University)	Exploring the Aftermath of Massacres and the Attitudes of the Individuals Involved
4:25	Camilynne Basile (Dixie State University)	Shifting Teacher Identity in the Culturally Responsive Classroom

Oral Session III – 2:40- 4:40 PM

Room 319 Engineering, Math & Physical Science

Moderator: Don Wardell (Operations & Information Science)

2:40	Bryce Taylor Ingersoll (Brigham Young University)	UAV Path-Planning Optimization using Bezier Curves and a Receding Horizon Approach
2:55	Jason David Ray (Brigham Young University); Kyle Kener; Ben Bitner; Brent Wright; Matthew Ballard; Justin Bosley; Larry Moss	What Does the Fos Say?
3:10	Lindi Andreasen (Utah State University); Nam Ju Kim; Brian Belland; Mason Lefler; Andrew Walker	Meta-analysis Comparison of Computer-based Scaffolding Targeting Individuals versus Groups in Complex Problem Solving
3:25	Michael Farnsworth (Brigham Young University)	Origami imagirO: Numerical Solutions of Apparent Absorptivity in Origami Folds
3:40	Shelby Lynn Larsen (Brigham Young University)	Feasibility Study of Technology for Increasing Sustainability at Airports
3:55	Roger Chu (Brigham Young University); Tom Wall; Aaron Hawkins	Changes in Light Guiding Capacity of PECVD Waveguides Due to Environmental Exposure
4:10	Bryant Lo Re (Westminster College); Will Deutschman	Decreasing ethanol production in <i>Saccharomyces cerevisiae</i> through mutagenesis of alcohol dehydrogenase enzyme
4:25	Jason Hamner (Utah Valley University); Curtis Welborn	RDBMS Construction with Secondary Indices

Ballroom East Social Sciences, Humanities & Education

Moderator: Jill Shea (Surgery)

2:40	Cinimin Kofford (Utah Valley University)	A Weekend in the Wild: The Effects of Nature on Creativity
2:55	James McGraw (Utah Valley University); Zachary Pope	Exploring Perfectionism and Latter-day Saint Religiosity
3:10	Kristine Bowser (University of Utah); Trieste Palmer; Alexa Pazell; Alexa Adams; Leni Solis; Elizabeth Pitman	Community Engaged Learning: An Essential Part of Gender Studies and Social Science Curricula
3:25	Sage Elizabeth Williams (Brigham Young University); Kelsie Pead; Elise Otteson; Julie Valentine	Sexual Assault: Findings from a Retrospective Chart Review of 1000 Victims

Oral Session III – 2:40 - 4:40 PM

Ballroom West Biological Sciences & Medicine

Moderator: Mia Hashibe (Family & preventive Medicine)

2:40	Kaitlin Ann Jackman (Brigham Young University); James E. Kohl	Vitamin D Deficiency in Collegiate Athletes, A Comparative Study Between Indoor and Outdoor Athletes at Brigham Young University
2:55	Amber D Bowler (University of Utah); Thomas O'Hare; Michael Deininger; Nadeem Vellore; Anthony Pomicter; Matthew Zabriskie	Improving inhibitor selectivity in non-small cell lung cancer in never-smokers through computational model guided screening
3:10	Amy LaFond (Utah Valley University); Caitlin Carter; Robyn Omen; Timothy Doyle	High Frequency Ultrasound (20-80 MHZ) for Analyzing Breast Cancer Surgical Margins and Lymph Node: A 73 Patient Surgical Study
3:25	Bruce Larson (Brigham Young University)	Optimization of decellularization of whole porcine kidneys
3:40	Jeffrey Chad Mecham (Brigham Young University)	Resveratrol as a Chemotherapeutic
3:55	Daniel T Hansen (University of Utah)	Structural analysis of the human BAP1:HCF-1 interaction
4:10	Yuji Chen (University of Utah); Mia Hashibe; Yuan-Chin Amy Lee; Shuang Li; Zuo-Feng Zhang; Min Dai; Qian Li; Chien-jen Chen; Wan-Lun Hsu; Pen-Jen Lou; Cairong Zhu; Jian Pan; Hongbing Shen; Hongxia Ma; Lin Cai; He; Yu Wang; Xiaoyan Zhou; Qinghai Ji; Baosen Zhou; Wei Wu; Jie Ma; Paolo Boffetta	Body mass index and risk of head and neck cancer
4:25	Tennyson Michael George (University of Utah); Marissa Burton; Eric Domyan; Mike Shapiro	The genetic basis of the piebald phenotype in domestic pigeons

Oral Session III – 2:40 - 4:40 PM

Common Room **Biological Sciences & Medicine**

Moderator: Bellamkonda Kishore (Internal Medicine)

2:40	Andrea Cutler (Brigham Young University); Christina Muhlestein	Optimization of Auto-induction media for Cell growth used in Cell-Free Protein Synthesis
2:55	Jaclyn Johns (Brigham Young University)	Antibacterial Carbon-Infiltrated Carbon Nanotube Coatings on Surgical Blades
3:10	Melinda Koyle (Brigham Young University)	The Effect of Microbiota on Lifespan in <i>Drosophila melanogaster</i>
3:25	Caitlin Carter (Utah Valley University); Amy Fairbrother; Ashley Behan	Cytoskeletal properties of cell cultures using high-frequency ultrasound
3:40	Alistair Hilton (Brigham Young University); Adam Jorgensen; H. Wayne Lambert; David A. Morton; Jonathan J. Wisco	Visualization of cardiac plexus fiber branches to the atrioventricular valves using the Sihler's technique.
3:55	Hunter James Hill (University of Utah)	Preferential Breakpoints in the Recovery of Broken Dicentric Chromosomes in <i>Drosophila melanogaster</i>
4:10	Kyle Bitter Kener (Brigham Young University); Jeffery Sivert Tessem	Defining the role of Nr4a3 in B-cell function
4:25	Austin Sidwell Gamblin (University of Utah); Hina Garg; Leland E Dibble; Eduard Gappmaier	Standing postural sway and balance confidence in persons with Multiple Sclerosis at fall-risk as compared to controls

Parlor A **Biological Sciences & Medicine**

Moderator: David Belnap (Biology)

2:40	Bodrie J Jensen (Southern Utah University); Matthew Weeg; Mary Jo Tufte; Skyler Buck; Jeremy Osborne	The effects of <i>Umbellularia californica</i> produced terpenoids on vascular smooth muscle.
2:55	Josh Nole Schmidt (Westminster College)	Comparison and Trends of Mercury Concentrations in Brine Flies and Spiders at the Great Salt Lake
3:10	Robyn Kira Omer (Utah Valley University); Timothy E Doyle	Detecting malignant tissue during breast cancer surgery with high-frequency ultrasound: Results from a 17-patient study

End of Oral Session III

Poster Session I – 9:30 - 10:45 AM

- Poster 1** **Jess Esplin (University of Utah)**
CAPITAL ACCOUNT LIBERALIZATION & INCOME INEQUALITY: 1980-2009
- Poster 2** **Viviane Smita Baji (Utah State University)**
Impact of Age on Water Shortage Concern
- Poster 3** **Chad Skidmore (Utah State University)**
Genetic modification of E coli for resveratrol biosynthesis
- Poster 4** **Allison Dee Garner (Brigham Young University); Sam A Hardy**
Parent's Roles in Adolescent Pornography Use
- Poster 5** **Elizabeth G Bailey (Brigham Young University); Michelle Baek; Shannon Rose; Katie Fairholm; Clint Morris; Nicholas Nelson; Nicole Rice; Patrick Stockdale; Kurt Williams**
In-Class Participation Gender Gaps in Upper-Level Life Sciences Courses
- Poster 6** **Katie Merten (Utah Valley University); Mark Christiansen; Eric Hadley; Marissa Keck; Jacob Siebach**
Laboratory Test of the Theoretical Foundation of the Accelerated Erosion Model for Arsenic Contamination of Groundwater
- Poster 7** **Taylor Heinzlmeir (Brigham Young University)**
Acute methamphetamine induces reactive oxygen species formation in dopamine terminals of the nucleus accumbens
- Poster 8** **Kevin Shurtleff (Utah Valley University); Colin Manitoken; Preston Eyre**
Novel, Low-cost, Solar Thermal, Phase Change, Air Compressor for Clean, Sustainable, Renewable Electricity Generation
- Poster 9** **Jordan Kamuela Okalani Risley (Utah State University)**
The Impact of Farm Ties on Concern for Climate Change
- Poster 10** **Hanna Larsen (University of Utah)**
Identification of Components of Visual Circuits Within the Cerebral Cortex of Primates
- Poster 11** **Kathryn Lami (University of Utah)**
Dynamic Autophagy in the Insulin Resistant Heart
- Poster 12** **Brent Jackson Wright (Brigham Young University); Jeffery Tessem**
B-cell Mitochondrial Respiration Changes in Aged Islets

Poster Session I – 9:30- 10:45 AM

- Poster 13** **Erin Kaseda (Brigham Young University); Jordan Sgro; Adriane Cavallini; Kiley Ballew; Spencer Nielson; Kristen Ray; Chris Herron; Kyle Eversole; Katie Hyatt; Wendy C. Birmingham**
Personal susceptibility to media influence: Body satisfaction in sub-clinical women
- Poster 14** **Scott Gary Frodsham (Brigham Young University)**
Statistical Analysis of Multiple Sclerosis Patient Electronic Health Record Data in Correlating Liver Damage in Response to Interferon Beta Treatments
- Poster 15** **Anna Brandes (University of Utah); Yue Zhang; Simon Robson; Bellamkonda Kishore**
Effect of a High-Fat Diet on Transgenic Mice Overexpressing Human CD39
- Poster 16** **Jacob Grant Robinson (Utah Valley University); T. Heath Ogden**
Phylogeny of Ameletopsidae (Ephemeroptera - Mayflies): Carnivores of the Southern Hemisphere
- Poster 17** **Robby Bowles (University of Utah); Bryton Davis; Niloofar Farhang**
Use of CRISPR genome-editing technology to promote osteogenic differentiation in human adipose-derived mesenchymal stem cells (hAD-MSCs)
- Poster 18** **Brett Denney (Westminster College); Edgar Chavez; Bonnie Baxter**
DNA Detection in Salt
- Poster 19** **Jace R Melessa (Dixie State University); Darren Stapleton; Carol Fordham; Alaura Young; Rico Del Sesto**
Synthesizing Your Future
- Poster 20** **Joshua Thomas Blotter (Utah State University); Chris Fawson**
How has the Affordable Care Act impacted the implementation of telehealth programs in isolated rural areas?
- Poster 21** **Arthur Wallis (Utah State University); Robyn Smith; Karen Beard**
Does the Diet of the Coqui Frog Change Over the Course of the Day?
- Poster 22** **Dan Jones (Westminster College)**
Photoprotective Adaptations of Halophilic Archaea
- Poster 23** **Danielle Christensen (Utah State University)**
Trauma and Touch: Apprehension of Touch in Survivors of Military Sexual Trauma

Poster Session I – 9:30- 10:45 AM

- Poster 24** **Lindsay Arslanian (University of Utah)**
Mental Health and Injuries In Older Adults -Factors Associated with Increased Risk
- Poster 25** **Tyler Steadman Murphy (Brigham Young University); Amy Crandall; Makensie Louw; Merrick Reynolds; Drew Bernhisel; Chad Hancock**
Metformin Limits Loss of Mitochondrial Respiration Seen With Doxorubicin Treatment Without Affecting Muscle Function
- Poster 26** **Kacey Gao (University of Utah); David Page; Gregory Clark**
Tactile Stimulation Device for Training Human Amputees to Recognize Activation of Different Sensory Afferents during Utah Slanted Electrode Array Stimulation
- Poster 27** **Danni Katherine Petersen (Utah Valley University); Ron J Hammond**
Quitting and Well-being Among Utah Firefighters
- Poster 28** **Sarah Hendricks (Dixie State University)**
Implicit Racial Bias and Memory: The Effects of Racial Salience on Jurors Memory
- Poster 29** **Melissa Mossar (University of Utah); Mikaelyn Kooyman**
INCORPORATING HEALTH LITERACY PRINCIPLES INTO COMMUNITY HEALTH NURSING
- Poster 30** **Hannah Peterson (Utah Valley University)**
Temporal and Spatial Variations of Trace Metal Loading to Utah Lake
- Poster 31** **John Lin (University of Utah); Byron Eng; Arlyn Andrews; Logan Mitchell; Ryan Bares; Derek Mallia; Kirk Thoning; Daniel Mendoza**
Investigating Methane Emissions in the Salt Lake Valley: An Atmospheric Inverse Study
- Poster 32** **MiKayla Stokes (Dixie State University); Bryan James Adam**
We Rise and Fall Together: A Study of the Relationship between hTR and hMRP
- Poster 33** **Matthew Horn (Utah Valley University); Zach Pierson; Michael Rhees; Brett Jackson; Jeffery Keller; Erika Martinez; Dallin Ollerton; Ethan Rowbury; Victor Warr; Alexander Whatcott; Damaris Zarco Gonzalez; Heather Wilson-Ashworth**
Problem Solving Skill Development in a Guided Inquiry Environment

Poster Session I – 9:30- 10:45 AM

- Poster 34** **Aalia Christian Fields (University of Utah)**
The Relationship Between Preschoolers' Engagement in Book Reading and Executive Functioning Skills
- Poster 35** **Jenny Adele Pattison (Brigham Young University)**
The role of PAS kinase in controlling cellular respiration
- Poster 36** **Benjamin Orson Jack (Brigham Young University)**
The role of KLF14 in the survival and proliferation of pancreatic B-cells
- Poster 37** **Jonathan Bennion Whitaker (University of Utah)**
Verification of C++ Programs
- Poster 38** **Hunter Levis (University of Utah)**
CRISPR-Based Sequence-Specific Endogenous Down-Regulation to Drive Osteogenesis in Adipose-Derived Stem Cells
- Poster 39** **Shannon McGillivray (Weber State University); Parker Hughes; Tahne Vongsavath; Tyson Bryant**
Self-Compassion and its Effects on Physical Pain Response
- Poster 40** **Randy Luke Klabacka (Brigham Young University)**
Phylogeny and species boundaries in the "flying dragons" of the *Draco maculatus* species complex (family Agamidae)
- Poster 41** **Alexis Payne Suggs (University of Utah)**
Passive Cooling Strategies For Utah
- Poster 42**
- Poster 43**
- Poster 44** **Bailee Dee Bird (Utah State University)**
Antibiotics in Our Own Backyard
- Poster 45** **Philip Charles Simon (University of Utah)**
A Study of Optimized Loading of Thermoacoustic Stirling Heat Engines

Poster Session I – 9:30- 10:45 AM

- Poster 46** **John Stuart Peterson (University of Utah); Jingye Yang; Amiee Maxwell; Adam Cohen; Sunil Sharma; Howard Colman**
Combined targeted Inhibition of STAT3 and the epigenetic regulator LSD1 alters proliferation and molecular phenotype in glioblastoma tumor stem-like cells
- Poster 47** **Daniel Robert Lathen (Brigham Young University)**
B-cell Adaptation to Elevated Palmitate Concentrations (Hyperlipidemia)
- Poster 48** **Rachel Gardner (Brigham Young University)**
From Information Teleportation to Energy Teleportation
- Poster 49** **Josh Smith (Utah State University); Megan Hansen; Ryan Yonk**
Women and Economic Freedom
- Poster 50** **Dustin Miller (Utah Valley University); T. Heath Ogden**
Parameletus columbiae Genome (Ephemeroptera)
- Poster 51** **Allison Kay Morin (Brigham Young University); Caleb Cornaby; Brian Poole**
Lytic Genes Influence the Production of Infectious Epstein-Barr Virus
- Poster 52** **Everett S. Barnes (University of Utah)**
Remodeling of Gap Junction Distribution in Cardiac Myocytes in the Infarct Border Zone
- Poster 53** **Chris D Anderson (Brigham Young University); Kevin M Farley; Nathan J Ricks; Mikel R Stevens**
Development and Classification of SSRs for Penstemon scariosus (Plantaginaceae)
- Poster 54** **Galen Muske (Westminster College); Bonnie Baxter**
Microbial Diversity of Culinary Salts
- Poster 55** **Stephanie Boudreaux (Brigham Young University); Megan McGhie; Rachael Claire Poore; Ryan Stewart**
Seed Germination Study of Yucca Species
- Poster 56** **Hannah N Wagner (Utah State University)**
Roles of TRIL in Nodal signaling during Xenopus development
- Poster 57** **Brianna Alejandra Kindall (University of Utah); Rob MacLeod; Jess Tate**
Computer Simulation of Electrocardiograms for Arrhythmia Diagnosis

Poster Session I – 9:30- 10:45 AM

- Poster 58** **Margaret Carlson (University of Utah); Akiko Kamimura**
Perceptions of Violence Against Women Among College Students in the US, Japan, India, Vietnam, and China
- Poster 59** **William Bradford York (Utah Valley University)**
Developing a High-Resolution Melt Assay to Identify Mosquito Blood Meals
- Poster 60** **Hannah B Waddel (Brigham Young University); Nicholas Nelson; Arminda Suli**
Transcription factor interactions in developing hair cells
- Poster 61** **Matthew Steven Miller (University of Utah)**
ESCRT-III and MIT domain containing Interactions
- Poster 62** **Joshua Jordan Hansen (Brigham Young University); Collin J Sanderson; Alonzo Cook**
Characterization of Proliferation and Dedifferentiation of Muller Cells
- Poster 63** **Kurt Williams (Brigham Young University); Nicole Rice; Michelle Baek; Nicholas Nelson; Shannon Rose; Patrick Stockdale; Elizabeth G Bailey**
Effect of Cumulative vs. Non-cumulative Assessments on Student Learning in an Introductory Biology Course
- Poster 64** **Caroline Jia Wang (University of Utah)**
Treatment of Osteomyelitis Using Locally Administered Vancomycin in an In-vivo Rat Model
- Poster 65** **Joshua LeBaron McArthur (Dixie State University); Jeremy Scritchfield; Haley Anderson; Rico DelSesto; Danelle Larsen-Rife**
Investigation the degradation products and impurities in Pitocin
- Poster 66** **John Doyle (University of Utah)**
The Influence of El Niño on marine mammal abundance and human habitation of coastal Baja California, Mexico: Evidence from Abrigo de los Escorpiones.
- Poster 67** **Marli Stevens (University of Utah); Tom Cova**
Margin of Licensed Dog and Cat Populations and Adoptions from Animal Shelters in Utah Counties in 2013-2014
- Poster 68** **Michael Evan Roberts (Brigham Young University); Bradley Geary**
Epilobium angustifolium's Endophytic Fungi and their Biologically Active Secondary Metabolites

Poster Session I – 9:30- 10:45 AM

- Poster 69 Mercedes Robinson (University of Utah)**
Professional vs. Nonprofessional Exercise Prescriptions and Injury Correlation
- Poster 70 Kyler J. Haskell (Brigham Young University)**
Frequency and Characterization of Staphylococcus aureus and MRSA in raw meat samples in the Utah County Area
- Poster 71 Joshua Kurtis Brown (Utah Valley University); Brynna Mikae Boettcher; Camille Knaphus; Claudia Lieberwirth**
Transforming the Classroom: Can the Use of Technology Function as a Learning Tool
- Poster 72 Jessica Rochelle Harris (Utah Valley University)**
Embryo optimization of Ocimum basilicum using kinetin
- Poster 73 Cedric Shaskey (University of Utah)**
Near-Field Thermoreflectance Thermometry
- Poster 74 Joseph Oliver White (Brigham Young University); Jeralyn Franson; Andrew Rees; Alistair Hilton; Kai Li Ong; Nidhi Choksi; Jared Resolme; Jeffrey Zhao; Laura Bridgewater; Julianne Grose**
PAS Kinase and its Role in the Development of Diabetes and Obesity in Mice
- Poster 75 Chloe P Young (University of Utah); Wayne K Potts**
Host sex plays a role in virulence and transmission dynamics of friend virus complex in wild-derived mice
- Poster 76 Vera Mayhew (Brigham Young University); Caleb Cornaby; Wesley Cheney; Brian Douglas Poole**
EBI2 expression pattern is controlled in response to EBV infection, putatively controlling immune-evasive migration of B cells in lymph nodes
- Poster 77 David Usevitch (Brigham Young University)**
Finite Element Analysis of Novel Compliant Mechanism Spinal Clamp
- Poster 78 Caitlynn Cooper (Brigham Young University); Brendon Warner**
Using CRISPR/Cas9 knock-in technology to endogenously label RibeyeA protein in the zebrafish model organism

Poster Session I – 9:30- 10:45 AM

Poster 79 **Annwin Chen (University of Utah)**
The Human Microbiome

Poster 80 **Nicolas N Brown (University of Utah); Andrew S Merryweather; John Lilquist;
Ross Imburgia**
Innovative Engineering to Improve the Quality of Life for Individuals with High
Level Spinal Cord Injury

End of Poster Session I

Poster Session II- 11:50 AM – 1:10 PM

- Poster 1** **Christine Henry (University of Utah); Kelly Hughes**
THE STUDY OF THE INTERACTION OF FLIG AND H-NS IN SALMONELLA
TYPHIMURIUM
- Poster 2** **Matthew Horn (Utah Valley University); Michael Rhees; Brett Jackson; Jeffrey Keller; Erika Martinez; Dallin Ollerton; Zachary Pierson; Michael Rhees; Ethan Rowbury; Victor Warr; Alexander Whatcott; Damaris Zarco Gonzalez; Heather Wilson-Ashworth**
Teamwork Skill Development in a Guided Inquiry Environment
- Poster 3** **Jamie Kingsford (Utah State University)**
Characterization of the Shigella flexneri Type Three Secretion System (T3SS)
ATPase Spa47
- Poster 4** **Bridget L Larsen (Weber State University)**
Purposeful Living
- Poster 5** **Austin King Fackler (Dixie State University); Dustin Duke Reidhead; Gabriela Chilom**
The effect of self-assembly of organic matter on the water repellency of soils
- Poster 6** **Ashli Hunter (Utah State University); Deanna Larson; Sumira Phatak; Abby Benninghoff**
Dietary supplementation with tart cherries for prevention of inflammation-associated colorectal cancer in mice
- Poster 7** **Alexa Brooks (University of Utah); Alexa Doig; Robert Durrant; JoAnn Fenn**
Survey of Microbiology Education in Nursing
- Poster 8** **Ethan Powell (University of Utah); Ethan Powell**
The Role of Reversibility in the Self-assembly of DNA-Coated Colloids
- Poster 9** **Shannon McGillivray (Weber State University); Emma Mark; Preston L. Bradley; David Sleight; Monika Sahleen; McKenna Hansen**
Introverts and Extroverts Physiological and Behavioral Responses to Aggression
- Poster 10** **Sarah Nguyen (Brigham Young University)**
The Effect of Students' Emotional Maturity on Their Perception of Test Question Fairness: an fMRI Study
- Poster 11** **Will Howard (University of Utah); C David Whiteman**
Soluble Pollutant Concentrations in Fog Water during a Cold Air Pool in the Salt Lake Valley

Poster Session II- 11:50 AM – 1:10 PM

- Poster 12** **Adrian Shimpi (University of Utah); Tara Deans**
Introduction of the Q System into Mammalian Synthetic Biology
- Poster 13** **Justin Heath Crandall (Brigham Young University); Kiara Vaden; Kelly Scott Weber; Kim O'Neill**
Sequencing an antibody specific for an epitope overexpressed on cancer cells
- Poster 14** **Terry James Lee (Brigham Young University); Dr. Stephen Piccolo**
Predicting Cancer Patient Survival by Analyzing Clinical and Molecular Data using a Machine-learning Approach
- Poster 15** **Kent Williams (Brigham Young University); Anton E. Bowden; Brian D. Jensen; Tracy W. Nelson**
Analysis of catalysts to carbon nanotube growth on medical-grade stainless steel
- Poster 16** **Hiu Yu Tang (Dixie State University)**
The effect of physical attraction and employment decision
- Poster 17** **Jordan Sgro (Brigham Young University); Erin Kaseda; Adriane Cavallini; Kiley Ballew; Spencer Nielson; Kristen Ray; Chris Herron; Kyle Eversole; Katie Hyatt; Wendy C. Birmingham**
"Relationship quality and body image: Can supportive spouses make a difference?"
- Poster 18** **Nicholas James Warren (University of Utah); Akiko Kamimura; Ha Ngoc Trinh; Emily Stephens; Keita Omi; Ana Kanaoka; Ai Ishikawa; Katsuo Yamanaka**
Perceptions of Aging and Disability among College Students in Japan
- Poster 19** **Rakael D Hinton (Southern Utah University)**
Comparison and Contrast of The Navajo Dine Bahane' and Bible Creation Stories
- Poster 20** **Tuscan Thompson (University of Utah); Steven L. Alam; Wesley I. Sundquist**
Interactions between PPxY Motifs in AMOT and WW Domains in NEDD4L Function in Viral Budding
- Poster 21** **Amanda Cecilia Howa (Westminster College); Han Kim; Fernando Rivero**
Where Fantasy Meets Reality: Commercial Sex Work in the 21st Century

Poster Session II- 11:50 AM – 1:10 PM

- Poster 22** **Ryan Roberts (Utah Valley University); Chris Anderson; Ron Hammond**
Accuracy in Predicting Personal BMI Category Among College Students
- Poster 23** **Cortney Holmes (Brigham Young University); Taalyn Rasmussen; Angelo Garcia**
Combination Selenium Therapy in early stage Prostate Cancer cells
- Poster 24** **Stephanie Dale Bair (Brigham Young University)**
NMDA AND GABAA RECEPTOR-MEDIATED PLASTICITY IN THE VENTRAL TEGMENTAL AREA BY ACUTE AND CHRONIC ETHANOL
- Poster 25** **Elizabeth Vargis (Utah State University); Harshit Singh; Lori Caldwell; Jennifer Ban; Randy Lewis**
Optimizing the Growth of Retinal Epithelial Cells
- Poster 26** **Ben Berger (University of Utah); Marta W. Szulik; Bethany A. Buck-Koehntop**
Biophysical Characterization of DNA Interactions by the Methyl-CpG Binding Protein Kaiso
- Poster 27** **Yudi Glen Medrano (Utah Valley University); Chris Tingey; Olga Kopp**
Organogenesis Studies in Thai Pepper
- Poster 28** **Brooke Lofthouse (Utah State University)**
Contradictory Conservation Policies on the Upper Snake River
- Poster 29** **Courtney Nordgran (Brigham Young University)**
Two-Phase Flow over Superhydrophobic Surfaces
- Poster 30** **Hassan Al Quraish (Weber State University)**
The George Wahlen Veterans Home Renovation
- Poster 31** **Gaia Jonelle Nafziger (Utah State University); Jennifer Reeve; Mae Culumber; Brent Black**
Statistical analysis of organic non-chemical weed controls on peach tree fruit yield
- Poster 32** **Bryson Carrier (Utah Valley University); T. Heath Ogden**
Phylogenetic Relationships of Mayfly Family Baetidae (Ephemeroptera)

Poster Session II- 11:50 AM – 1:10 PM

- Poster 33** **Camila Esposito (University of Utah); Jill Shea; Hannah Beal; Courtney Scaife**
Axl Inhibitors for the Treatment of Pancreatic Ductal Adenocarcinoma
- Poster 34** **Kristopher Pedersen (Utah State University)**
Management for Game Species can Positively Impact Reptiles and Amphibians in Artificial Wetlands.
- Poster 35** **Carmen Darinka Zapata (Utah Valley University)**
HRM-PCR Analysis of Mosquito Blood Meals to Identify Blood Source
- Poster 36** **Haoran Yu (University of Utah)**
How do nuclear scientists and engineers talk internally among themselves about the Fukushima energy crisis?
- Poster 37** **Robert Chase Spencer (Utah State University); Ashley Lynn Ruben; Brianne Eileen Bell; Craig Soelberg; Thomas Harris; Dan Gil; Randolph V. Lewis**
ARAKNIPRINT: 3D Printing of Synthetic Spider Silk to Produce Biocompatible and Resorbable Biomaterials
- Poster 38** **Sean M Christensen (Utah State University)**
Survey of Plant Diseases and Pests in Utah Raspberries
- Poster 39** **Ben Merrill (Brigham Young University)**
AUXIN-INDUCED PROTEIN DEGRADATION IN ZEBRAFISH
- Poster 40** **Mckenzie Rose Barry (Dixie State University); Erica Briseno; Donald Warner; Curt Walker**
Does a combination of high heat, high ultraviolet (UV) rays, and low humidity disable chytrid fungus in the lab?
- Poster 41** **Diego Arnaldo Garrido (University of Utah); Michael Hoehn**
FOREFRONT: Leading Collaborative Architectural Practice
- Poster 42** **Wyatt Zagorec-Marks (University of Utah)**
Understanding Dynamic Motions Involved in the Photocycle of Photoactive Yellow Protein
- Poster 43** **Camille Harmer (Utah State University); Devin Stein**
Fighting Fire with Fire

Poster Session II - 11:50 AM – 1:10 PM

- Poster 44 Samuel George Grover (Brigham Young University)**
The role of betatrophin in the B-cell proliferation pathway
- Poster 45 Samantha Chadwick (University of Utah); Brent Young; Ning Tian**
Mapping the Synaptic Connections of Retinal Ganglion Cells
- Acute and Chronic Effects of Selenium on the Brine Shrimp *Artemia franciscana*
- Poster 48 Ben Posch (University of Utah)**
Guided Wave Environmental Compensation with Big Data Sets
- Poster 49 Wade Eric Mather (University of Utah)**
Extracorporeal Membrane Oxygenation
- Poster 50 Ming Gao (University of Utah)**
Ultrasensitive Magnetometer Simulations using COMSOL
- Poster 51 Melissa Mossar (University of Utah)**
RECRUITMENT OF ETHNICALLY DIVERSE POPULATIONS IN DIABETES RESEARCH
- Poster 52 Ashlee Danielle Burton (University of Utah)**
Characterizing the Biochemical Requirements for the TRP Precursor of the bps Signal
- Poster 53 Amanda Hobson (Brigham Young University)**
Overexpression of HDAC1 induces functional B-cell mass
- Poster 54 Samantha R Beck (Utah Valley University); Heather Mathison; Toma Todorov**
An in depth review of the phytochemistry and ethnopharmacology of *Tridax procumbens*
- Poster 55 Jolene Marie Hess (University of Utah)**
Climate Change Influence on Plant Phenology
- Poster 56 Scott Lyle (Utah State University); Michael Castle**
Optimization of Phenol-Formaldehyde Resins with Bio-oil and Amino Acid Residues
- Poster 57 Michael Scott Rodgers (Weber State University)**
A Study of Sexual Orientation Discrimination in Utah

Poster Session II - 11:50 AM – 1:10 PM

- Poster 58** **Sydney Rose Wyatt (University of Utah); Shelley Macneil; Mumtahena Rahman; Gajendra Shrestha; Samuel Brady; Jasmine Rethmeyer; Andrea Bild**
Predicting drug response in breast cancer using multi-pathway gene expression signatures and BH3 profiling.
- Poster 59** **Kevin Shurtleff (Utah Valley University); Ryan Bernal; Christian Fullmer**
Waste and Cost Reduction by Reprocessing Used Motor Oil into a Synthetic Diesel Fuel
- Poster 60** **Christian White Daniels (Brigham Young University); Bradford Berges**
Hamsters Expected to Produce a Better Immune System than Mice
- Poster 61** **Jane Bashford (Weber State University)**
George E. Wahlen Veterans Home- A Community
- Poster 62** **Alexander Jones (University of Utah)**
Regulation of Zyxin with Altered Hemodynamics in the Developing Chick Heart
- Poster 63** **Karsten Arthur Eastman (Utah Valley University)**
Novel Organic Compound Synthesis to Impact NF-kB and STAT3 Pathways
- Poster 64** **Jonathan Greenhalgh (University of Utah)**
Study of Proton Pumping by Incorporation of a Genetically Encoded Infrared Probe
- Poster 65** **Parker Hinckley Holzer (University of Utah)**
Chemical Compositions of Planet-Harboring Stars in M67
- Poster 66** **Zachary James Sadler (Brigham Young University)**
Energy from Thin Air: Compressed Air Power Harvesting Systems
- Poster 67** **Avenel Kaitlyn Rolfsen (Westminster College); Ashleigh Albrechtsen**
The Tomb of Francois de Halluin
- Poster 68** **Jonathan Mortensen (Brigham Young University)**
Low-Cost Hydrogen Microprint Technique and identification of microstructures in Advanced High Strength Steels that are susceptible to Hydrogen Embrittlement

Poster Session II - 11:50 AM – 1:10 PM

- Poster 69** **Conner Earl (Brigham Young University)**
Ribonuclease inhibitors for In Vitro Biology
- Poster 70** **Joseph Le Nguyen (Brigham Young University); Gerald Watt; John Harb; Randy Lewis**
Use of methyl and monomethyl viologens as catalysts in the production of hydrogen from glucose for the use in hydrogen fuel cells and as electron carriers in glucose fuel cells
- Poster 71** **Ashleigh Brinkerhoff (Dixie State University)**
Somatic Symptom Disorder in DSM-5: Misdiagnosing Biological Causations of Mental Illness and Devaluing the Functionality of Pain
- Poster 72** **Hayley Lynn Tomney (Weber State University); Pamela B. Payne**
Stakeholder Perception of K-12 Education Mission Fulfillment: An evaluation of DaVinci Academy
- Poster 73** **Anna Irene Guyer (Brigham Young University)**
How Well Can Machine-learning Algorithms Predict Biomedical Outcomes Based on Gene-expression Data?
- Poster 74** **Brett Cutler (University of Utah); Jie Shi Chua; Kuberan Balagurunathan; Anandh Babu Pon Velayutham**
Blueberry metabolites at physiological relevant concentrations do not affect angiogenesis in human aortic endothelial cells.
- Poster 75** **John Fisher (University of Utah)**
Energy Recovery from Pressure Retarded Osmosis
- Poster 76** **Andy Renz (University of Utah)**
Assessment of exercise-stimulated tissue oxygenation in calf muscle with functional MRI
- Poster 77** **Mitchell Blanc (Brigham Young University); Rydge Mulford; Matthew Jones; Brain Iverson**
Visualization and Control of Radiative Surface Properties using Origami Inspired Surfaces
- Poster 78** **Kent Taylor Dean (Utah State University); Courtney Flint**
Stakeholder Perceptions on Values and Vulnerabilities in Wasatch Mountain Communities

Poster Session II - 11:50 AM – 1:10 PM

- Poster 79** **Danni Katherine Petersen (Utah Valley University); Chris Anderson; Ryan Roberts; Ron J Hammond**
Effects of Latter Day Saint missions on weight
- Poster 80** **Candace Beata Ross (Weber State University)**
Return with Honor Veterans Home
- Poster 81** **Victoria Willard (Dixie State University)**
A Scientific Study Determining Variables Affecting Metal Oxide Oxidation States
Coloring High Fire Ceramic Art Glazes.

End of Poster Session II

Poster Session III - 2:40 - 4:00 PM

- Poster 1** **Kristina Danielle Lundgren (University of Utah); Brandon Day**
Cold Temperature Performance of Phase Change Material Based Battery Thermal Management System
- Poster 2** **Alex Jay Hyer (University of Utah); William Brazelton**
Temporal Changes in Microbial Composition and Activity in Serpentinization-Driven Ecosystems
- Poster 3** **Robert Hitchcock (University of Utah); Johanna Day de Gennaro; Tanner Coleman; Nadia Hamad; Janet Shaw; Ingrid Nygaard**
Analysis of Intra-Abdominal Pressure in Women during Exercise
- Poster 4** **Matthew J Barnett (Utah State University)**
DOES WATER-BASED OUTDOOR RECREATION HAVE AN IMPACT ON THE ENVIRONMENTAL PERCEPTIONS AND CONCERNS OF UTAHNS?
- Poster 5** **Brian Isom (Utah State University)**
Dammed if you do: Solving Utah's water problem
- Poster 6** **Jadyn Naylor (Utah State University); Jacob Caldwell; Michael Jensen**
Energy Regulations and Economic Recovery from the Great Recession
- Poster 7** **Jeppesen Garcia Feliciano (University of Utah)**
Development of computational strategies for improved environmental simulations of water and energy balances, air quality, and building energy use
- Poster 8** **Emily Dart (University of Utah)**
Microbial Communities and Metabolic Potential in Sites of Continental Serpentinization
- Poster 9** **Allison Kate Hadley (Southern Utah University); Mandy Jo Nelson; Chris Monson**
Making CSI Dreams a Reality: Microfluidic DNA and Small Molecule Analysis
- Poster 10** **Emily Orr (Utah State University); Riley Michaelson; Boston Peine; Logan Hemmert**
Student Development Pipeline - Strata Case Study
- Poster 11** **Cassie Shurie Demke (Dixie State University); John Pugliese**
Applied Behavioral Analysis Intervention: Improving the Social Functions of Patients with Dementia

Poster Session III- 2:40- 4:00 PM

- Poster 12** **Ting-yi Vicky Liao (Utah Valley University); Ron Hammond**
Using Self-Reported Negative Emotions to Predict Key Health and Weight Measures Among College Student
- Poster 13** **Renae Elizabeth Higginson (Utah Valley University); Ryan Roberts; Jackie Hobson; Chris Anderson**
Weight Gain and Gender Differences in the "Freshman Fifteen"
- Poster 14** **Tyler McDaniel (University of Utah)**
Utah's Pathways to Higher Education: A Quantitative Analysis
- Poster 15** **Dietrich Geisler (University of Utah)**
Integrating Floating-Point Values into the Boogie and SMACK Languages
- Poster 16** **Sarah Harrison (Brigham Young University); Bryson Ensign**
Interspecific Hybrids in Penstemon
- Poster 17** **Isaac Bowen (Weber State University); Craig Oberg; Michele Culumber**
Determination of treatments to reduce late gassy defect in cheese due to Lactobacillus wasatchensis contamination
- Poster 18** **Christian DaLon Esplin (Brigham Young University); Brian Jensen; Anton Bowden; Nicholas Whipple**
Superhydrophobic and Anti-Microbial CICNT Surfaces
- Poster 19** **Julie Imig (University of Utah); Inese Ivans; Deric Session**
The Milky Way's Neighbor: Chemical composition of ultra-faint dwarf galaxy Bootes I
- Poster 20** **Hansel Halverson (University of Utah)**
Evaluation lab-scale plug loads
- Poster 21** **Kiley Ballew (Brigham Young University); Jordan Sgro; Erin Kaseda; Adriane Cavallini; Spencer Nielson; Kristen Ray; Chris Herron; Kyle Eversole; Katie Hyatt; Wendy C. Birmingham**
Religiosity may not predict better body image: a study in sub-clinical women
- Poster 22** **Shirley Luo (University of Utah); Hee-Kyoung Lee; Barbara Wirostko**
Hyaluronan-based sustained delivery of Besifloxacin to the eyes

Poster Session III- 2:40- 4:00 PM

- Poster 23** **Ishaah Talker (Utah Valley University); T. Heath Ogden**
Phylogeny of Mayfly Subfamily Ecdyonurinae (Heptageniidae: Ephemeroptera)
- Poster 24** **Matt Blanchard (Dixie State University)**
Interaction of lipids with natural surfactants from soil
- Poster 25** **Gregory Alan Mohl (Brigham Young University); Mckay Jensen; Spencer Wallentine; Kelly McGuire; Roger Harrison; David Busath**
Mitigating the Risks of Emerging Highly Pathogenic Influenza Pandemics
- Poster 26** **Dustin Reidhead (Dixie State University); Austin Fackler; Gabriela Chilom**
Characterization of Mineral Soil Samples: Surfactant Composition
- Poster 27** **Camille McKae Migliori (Dixie State University); Kahla Merrett; Aimee Newsham; Alaura Young; Jace Melessa; Darren Stapleton; Carol Fordham; Jospeh Aklinski; Don Warner; Andrew Koppisch; Dan Fox; Rico Del Sesto**
Synthesis of topical antimicrobial materials based on room-temperature ionic liquids
- Poster 28** **Jordan Sgro (Brigham Young University); Emily Hartung; Wendy Birmingham; McKenzie Carlisle**
Effects of Spousal Attitudes on Own Exercise Behavior
- Poster 29** **Kyle Eversole (Brigham Young University)**
Spousal Influence on Health Behavioral Practices in Young Couples
- Poster 30** **John Philip Garrett (Weber State University)**
Mobile Elemental Power Plant II (MEPP II) Research Project
- Poster 31** **Sheldon James Myers (Brigham Young University)**
Engineering High Affinity Class II TCRs Specific to *Listeria Monocytogenes*
- Poster 32** *withdrawn*
- Poster 33** **Aaron E Palmer (Dixie State University)**
Cursed Fathers: Trauma Theory and Link, the Hero of Time
- Poster 34** *withdrawn*

Poster Session III- 2:40- 4:00 PM

- Poster 35** **Benjamin Felt Bitner (Brigham Young University); Tommy Rowley; Matt Ballard; Justin Bosley; Jeffery Tessem**
Determining the Mechanism of Cocoa-Derived Epicatechin Enhancement of Glucose Stimulated Insulin Secretion
- Poster 36** **Brent Donald Nelson (Weber State University)**
Classification of Bacteriophage Isolated from the Great Salt Lake using Electron Microscopy
- Poster 37** **Kevin Greenberg (University of Utah)**
Attention and Nature
- Poster 38** **Joshua Kurtis Brown (Utah Valley University); Barton Poulson; Russel T Warne; Steven C Clark**
Evaluating Fashion Fluency
- Poster 39** **Dalton Kendall Brady (Utah Valley University); T. Heath Ogden**
Evolution of Protective Square Gills in Caenoidea Mayflies
- Poster 40** **David Busath (Brigham Young University); Ty Bodily; Jordan Peacock**
Comparative Efficacies of Transcutaneous Electrical Nerve Stimulation Protocols in Peripheral Neuropathy Subjects
- Poster 41** **Masen Chad Christensen (University of Utah)**
Cooperative Primers : Intersecting Spherical Model for Optimization of Linker and Gap Lengths
- Poster 42** **Nicolas N Brown (University of Utah); Andrew Merryweather; Matthew Koplin; Paige DaBell; Keith Schendel**
Person Specific Control System for Adaptive Equipment in Recreational Therapy
- Poster 43** **Sara Mann (University of Utah)**
Predictors of palliative chemotherapy utilization within last 30 days of life
- Poster 44** **Bryan Hair (Brigham Young University); Taalin Rasmussen; Trevor Wienclaw; Lisa Deus; Bradford Berges**
The Synergistic and Bactericidal Effects of Vancomycin, Bacteriophage, and Silver Nanoparticles against MRSA Biofilms
- Poster 45** **Ben Arciniega (Utah Valley University)**
Therapy on Wheels

Poster Session III- 2:40- 4:00 PM

- Poster 46** **Herschel W. Wilde (University of Utah)**
Maternal High Fat Diet and Developmental Origins of Myocardial Dysfunction
- Poster 47** **Adin Martineau (Brigham Young University); Parker Rosquist; Nicole Martin; Benjamin Hilton; Anton Bowden; David Fullwood; Matthew Seeley**
Knee Angle Measurement Through Nanocomposite Wide-range Sensors
- Poster 48** **Brandon Damaso Cook (Westminster College)**
Urbanization effects on Soil Communities and Plant Agriculture
- Poster 49** **Lohra Mickelle Miller (Southern Utah University)**
A Microfluidic Device for Oxygen Quantitation in Anoxic Environments
- Poster 50** **Ali Amelia Eisenbeiss (University of Utah)**
Knockdown IL1-R1 and TNF-R1 Genes in Bovine Intervertebral Discs using CRISPRi
- Poster 51** **Haley Hanseler (University of Utah)**
A dashboard for health information exchange between poison control centers and emergency departments: the poison control center view
- Poster 52** **Gabriel Antonio Echeverria (University of Utah); Yvette Young**
Factors Affecting the Economic Integration of Utah Refugees
- Poster 53** **Amy L Yu (University of Utah); Kaitlynn Castolene; Kent N Bachus**
PMMA Formula Modification Through the Preinfiltration and Infiltration Times to Create Optimal Product for Immunohistochemistry Studies
- Poster 54** **Yinghua Su (University of Utah)**
The Application of Staph Phage Cocktails on Methicillin-Resistant Staphylococcus aureus Infection
- Poster 55** **Emily Barrett (Brigham Young University)**
The effect of normal and high fat conditions on Nr4a transcriptional activity
- Poster 56** **Mckenzie Jonely (Southern Utah University); Sacha Toussaint; Hussein Samha**
Schiff Base Coordination Compounds of Transition Metals, Preparation and Photophysical Properties
- Poster 57** **Shalauna Thompson (University of Utah)**
Investigation of CO₂ Capture by Nanotubes Using Thermogravimetric Analysis

Poster Session III- 2:40- 4:00 PM

- Poster 58** **Adriana May Christensen (Dixie State University); Donald Warner**
Identification of a new blood-born bacteria in the human body
- Poster 59** **Shanice Gipson (Weber State University); Monica Williams**
The Untold Story of how one State chose to Move Away from Sex Offender Residency Restrictions
- Poster 60** **Alexander Norman Blitch (University of Utah); Nikki Davidoff; Niloofar Farhang; Benjamin Brooks; Robby Bowles**
Microfluidic Flow Cell Array Printing for Engineered IVD and Musculoskeletal Tissues
- Poster 61** **Lea Hunter (University of Utah)**
The "Tampon Tax": an examination of public discourse surrounding policies concerning menstrual taboo
- Poster 62** **Dan Kurek (University of Utah)**
Synthesis of ZNA Analogues and Bicyclic Guanidines
- Poster 63** **Makensie Joann Louw (Brigham Young University); Amy Crandall; Tyler Murphy; Merrick Reynolds; Drew Bernhisel; Chad Hancock**
Exercise Limits Loss of Respiratory Function Seen With Doxorubicin Treatment Without Affecting Muscle Function
- Poster 64** **Joe Fuell (University of Utah); Ben Tasevac; Randon Gruninger; Michael S Bennett; Daniel T Leung**
Immune Response to Native American Antidiarrheals
- Poster 65** **Gabrielle Leah Hoyer (University of Utah); Christian Polar**
Coherence of the Subthalamic Nucleus and the Motor Cortex in a Hemiparkinsonian Rat Model and the Effects of Deep Brain Stimulation
- Poster 66** **Mariel Katherine Hatch (Utah Valley University); Emily A Holt; Olga R Kopp**
Lyme disease: Potential connections between Serum Amyloid A (SAA) levels, Lyme disease biofilm and Alzheimer's disease webbing: A review
- Poster 67** **Jordan Floyd (Utah State University); Ian Nemelka; Jason Dahlin**
Cache Valley Jail Sentence Length Study

Poster Session III- 2:40- 4:00 PM

- Poster 68** **Anny Pham (University of Utah); Jeffrey Thomas Yarch; Frederick Federer; Alessandra Angelucci**
Macaque Monkey V2 Thick Stripes Receive V1 Input from Layer 2/3
Blob/Interblob Borders
- Poster 69** **Dustin Allen Davenport (Utah Valley University); McCall Halvorson; Ryan Peck; Robert Lyman; Michael Bohne; Robert D Sawyer**
Difference in strength, lateral deficit, quad/hamstring ratio, and balance between the young and elderly
- Poster 70** **Mary Vallecillo (Utah Valley University); Robert Erickson; Thomas Heath Ogden**
Comprehensive Species List of Insects in Capitol Reef National Park
- Poster 71** **Christianna Johnson (University of Utah)**
The Local Food Movement: Neighborhood Factors Influencing Community Garden Participation in Salt Lake City
- Poster 72** **Alyssa Chrystine Brown (Southern Utah University); William H. Heyborne; Emily Dean**
Student Perceptions of Evolution in a Religious-Centered State
- Poster 73** **Shannon McGillivray (Weber State University); Cassity R. Haverkamp; Blake Tubbs**
Actual and Perceived Effectiveness of Mnemonics among Traditional and Non-traditional Students
- Poster 74** **Sagar Basnet (Utah Valley University)**
Rebuilding the Shree Shakti Elementary Schhol of Gorkha
- Poster 75** **Katie Wilkinson (Weber State University); Tyler Wilkinson; Candace Adamson; Matthew Nicholaou**
Synergistic Effects of Polyoxometalates and Antibiotics against Antibiotic Resistant Bacteria
- Poster 76** **Ian Matheson (Brigham Young University)**
Low-Risk Satellite Inspection Using a Passive Spherical Camera
- Poster 77** **Marie Jones (Utah Valley University); Ryan Roberts**
The prevalence of Disordered eating among college students

Poster Session III- 2:40- 4:00 PM

Poster 78 **Jade McCombs (Dixie State University)**
Satisfaction in Decision Making Among Children

Poster 79 **Alison Mitchell (University of Utah)**
Art, Ecology and the Politics of Land Use

End of Poster Session III
End of Program