Office of Undergraduate Research

UNDERGRADUATE RESEARCH SYMPOSIUM
2015

THE UNIVERSITY OF UTAH®

TUESDAY MARCH 31, 2015 OLPIN UNION
9:00 a.m. – 3:00 p.m.
SCHEDULE OF PRESENTATIONS

UNDERGRADUATE RESEARCH SYMPOSIUM

2015

TUESDAY, MARCH 31, 2015
OLPIN UNION BUILDING
UNIVERSITY OF UTAH
9:00am-3:00pm

We are grateful for the generous support of:
The Office of Undergraduate Research
The Office of Undergraduate Studies
and
The Honors College

We would also like to acknowledge the Office of the President, the Office of the Senior Vice President for Academic Affairs, and the Office of the Vice President for Research.

Finally, we would like to extend our utmost pride and congratulations to the students, graduate students, and faculty sponsors without whose efforts and dedication this event would not be possible.
THANK YOU DONORS

The Office of Undergraduate Research is grateful for generous support from:

Francis Family Foundation
Sharon and Karl Schatten
Lawrence T. and Janet T. Dee Foundation
University of Utah Parent Fund
University of Utah  
Undergraduate Research Symposium 2015  
Tuesday, March 31, 2015 – Olpin Union Building  
9:00am-3:00pm  
Program Schedule  

(NOTE: ALL STUDENT PRESENTERS MUST CHECK-IN.)  

Snacks available at 10:30 am and 2:30 pm in the Main Ballroom  

SESSION I (9:00 – 10:30 am)  
8:30am – Check-in Union Lobby  

8:45am – 9:00am - Poster set-up, Main Ballroom  

9:00am – 10:30am - Poster Session I, Main Ballroom  

9:00am – 10:30am - Morning Oral Sessions and Creative Writing Session  
(Collegiate Room, Parlor A, Parlor B, Room 312, Panorama East, and West Ballroom)  

SESSION II (10:30 – 12:00 pm)  
10:00am – Check-in, Union Lobby  

10:20am – 10:30am Poster set-up Session II, Main Ballroom  

10:30 am – 12:00 pm – Poster Session II, Main Ballroom  

10:30 – 11:50 - Oral Sessions and Creative Writing Sessions  
(Union Den, Collegiate Room, Parlor A, Panorama East, and West Ballroom)  

SESSION III (1:30 – 3:00 pm)  
1:00pm – Check-in, Union Lobby  

1:20pm – 1:30pm - Poster set-up, Main Ballroom  

1:30pm – 3:00pm - Poster Session II, Main Ballroom, East Ballroom  

1:30pm – 3:00pm - Afternoon Oral Sessions  
(Union Den, Collegiate Room, Parlor A, Parlor B, Room 319, Room 312, Room 323, Panorama East, and West Ballroom)
UNDERGRADUATE RESEARCH SYMPOSIUM 2015
SCHEDULE OF PRESENTATIONS

ORAL SESSION I
9:00 – 10:20 a.m.

COLLEGIATE ROOM
Moderator: Erica Rojas, Honors College

9:00 Shuang Li (Mia Hashibe)
Department of Family & Preventive Medicine
Oral Lesions, Chronic Diseases and the Risk of Head and Neck Cancer

9:20 Elena Nazorenko (Nathan Seegert)
Department of Finance
The Effects of the Transition of the Social Security Structure in Russia

9:40 Marie Tuft (Sean Lawley)
Department of Mathematics
Quantitative Analysis of Virus Trafficking in a Biological Cell

10:00 Drew Ellingson (Aaron Bertram)
Department of Mathematics
Tropicalization of Theta Characteristics for Plane Quartics

PARLOR A
Moderator: Jon Groot, Department of Exercise & Sport Science

9:00 Erin Gamertsfelder (Cagan H. Sekercioglu)
Department of Biology
A Preliminary Camera Trap Survey for Large Mammals in Red Butte Canyon Research Natural Area, Utah

9:20 Derek Munday (J. David Symons)
Department of Exercise & Sport Science
Protein Phosphatase 2A Inhibition Preserves Arterial Function in Obese Mice

9:40 Hyungtek Kim (Naveen Nagarajan)
Department of Human Genetics
Effect Of Sensory Deprivation on HOXB8 Derived Microglia in the Brain

PARLOR B
Moderator: Shannon Jones, Department of Nutrition

9:00 Catherine Lindsay McSweeney (Shannon Jones)
Department of Nutrition
Social Influences of Obesity in Women
9:20 Martin Puga Jr. (Rebecca Utz)  
Department of Sociology  
*Academic Achievement Differences Between Ethnic and Racial Groups: Understanding Mechanisms Behind the Disparity*

9:40 Samantha Falde (Marjorie Castle)  
Department of Political Science  
*Kalashnikov Enculturation: The Soviet Contribution to Small Arms Proliferation and the Disintegration of the Non-State Threshold*

10:00 Bryn McWhorter (Carrie Humphries)  
Department of Political Science  
*A Nuclear Iran: The Economic, Political, and Social Impetus Behind Negotiations*

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ROOM 312  
Moderator: Catherine Mayes, Departmen of Music

9:00 Alexandria Sadler (Claudio Holzner)  
Department of Political Science  
*“Podemos Cambiar el Mundo:” Frame Alignment Processes in the Chilean University Student Movement*

9:20 Sloan Russell (Ian Skurnik)  
Department of Marketing  
*University Partnerships and Their Importance for Brand Perception*

9:40 Stephanie Tello and Shirley Luo (S. Andy Rivera)  
Student in the College of Nursing  
*Investigation of Transgender Medical and Surgical Therapies*

10:00 Lindsay Tarbet (Catherine Mayes)  
Department of Music  
*A View of Extramusical Associations*

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PANORMA EAST  
Moderator: José Galarza, Department of Architecture

9:00 Erika Longino (Jose Galarza)  
Department of Architecture  
*Beyond Hogans: A Sustainable Framework Plan for Design Build BLUFF*

9:20 Katherine Nix (Stephen Goldsmith)  
Department of City & Metropolitan Planning  
*Design for Health*
Oral Session I – PANORMA EAST Continued

9:40 Jessie Du Pre (Lisa Diamond)
Department of Psychology
Gender Differences in Recollected Sexuality Across the Lifespan

CREATIVE WRITING SESSION I
9:00 – 10:40

BALLROOM WEST
Moderator: Michael Gills, Honors College

9:00 Anna Drysdale (Michael Gills)
Honors College
Mette: A Novel and the Language as Identity

9:20 Trevor Stott (Michael Gills)
Honors College
"The Wanderers“ Novel Project

9:40 Diona Giannopolous (Michael Gills)
Honors College
Let Be

10:00 Jackson Myrick (Michael Gills)
Honors College
Construction of Time, Place, and Methodology in Novel Writing

10:20 Brandon Bertlesen (Michael Gills)
Honors College
Burning Down the Valley

ORAL SESSION II
10:30 - 11:50 p.m.

UNION DEN
Moderator: Adrian Bell, Department of Anthropology

10:30 Megan Mullineaux (Kristen Hawkes)
Department of Anthropology
Our Primate Roots and Sex Differences in Communication

10:50 Sarah Ward (Ed Gappmaier)
Department of Physical Medicine & Rehabilitation
Correlations of Pyramidal and Extrapyramidal (Brainstem & Cerebellar) NeuroStatus Functional System Scores with Mobility Performance in Multiple Sclerosis
11:10 Nicholas Redmond (Winthrop L. Adams)
Department of History
The Indian Elephant: Cultural and Military Significance

11:30 Maryam Ebrahimi (Adrian Bell)
Department of Anthropology
Exploring the Health-Related Behavior: Hand Washing Compliance Among Nurses In Two Different Health Care Settings: Orthopedic Surgical Unit (OSU) at University of Utah Hospital and the Cancer and Blood Units (CBU) at Primary Children’s Hospital

COLLEGIATE ROOM
Moderator: Aaron Reynolds, Honors College

10:30 Nathan Briggs (Andrej Cherkaev)
Department of Mathematics
A Look at the Numerical Results of the Optimal Design of Multiphase Elastic Structures

10:50 Matthew Mortensen (Daniel Levin)
Department of Political Science
Do Caps on Non-Economic Damages Decrease Medical Malpractice Insurance Premiums?

11:10 Tara Streng (Akiko Kamimura)
Department of Sociology
Prevention and Reporting on College Campuses in the US: A Review of Policies and Recommendations

11:30 Kortnie Walker (Balamurali Ambati)
Department of Ophthalmology
Understanding and Treating Diabetic Retinopathy

PARLOR A
Moderator: Sterling Van Wagenen, Department of Film & Media Arts

10:30 Arthur Veenema (Sterling Van Wagenen)
Department of Film & Media Arts
The Original

10:50 Jackson Hannon (Steven Lobell)
Department of Political Science
US Doctrine and Counterinsurgency Since 2001

11:10 Aliya Khan (Leslie Francis)
Departments of Philosophy and Law
Contemporary and Traditional Islamic Ethical Theory on the Practice of Assisted Reproduction
Oral Session II PARLOR A Continued

11:30 Candelaria Atalaya (Jeff Metcalf)
Department of English
Under the Cloak of Penumbra

PANORAMA EAST
Moderator: Jenny Andrus, Department of Writing and Rhetoric Studies

10:30 Barbara Ochoa (Jenny Andrus)
Department of Writing and Rhetoric Studies
Write Into the Margins: Understanding Retention and Attrition Rates in College-Level Writing Courses

10:50 Emma Goldgar (A. J. Metz)
Department of Educational Psychology
Promoting Healthy Body Image in Children- A Preventative Resource for Educators

11:10 Anna Drysdale (Anne Lair)
Department of Languages & Literature
Teaching Culture in Language Classes: Make it fun and useful

CREATIVE WRITING SESSION II
10:30 – 11:50 a.m.

BALLROOM WEST
Moderator: Michael Gills, Honors College

10:30 Sarah Farley (Disa Gambera)
Department of English
Nexus

10:50 Suzy Sammann (Michael Gills)
Honors College
Dandelions Among the Wheat: A Novel by Suzy Sammann

11:10 Natalie Spendlove (Michael Gills)
Honors College
Dawn Chorus

11:30 Kajsa Vlasic (Michael Gills)
Honors College
Storytelling and the Patient Experience: Narratives of Breast Cancer Survivors
ORAL SESSION III  
1:30 – 2:50 p.m.

UNION DEN  
Moderator: Jennifer Ziarko, Honors College

1:30 Airyana Markham (Isabel Moreira)  
Department of History  
Dressing the Part: Early Christian Identity North Africa, 100-200 CE

1:50 Nicolas Tang (Maximilian S. Werner)  
Department of Writing and Rhetoric Studies  
A Personal Memoir

2:10 Sara Palomino (Ferdinand Rubio)  
Department of Languages & Literature  
Diglossia: The Case of Quechua Languages and Spanish

2:30 Madeline Bannon (Matthew Haber)  
Department of Philosophy  
The case for the Children with ‘Three Parents’

COLLEGIATE ROOM  
Moderator: Holly Pokorny, Honors College

1:30 Claire Heman (Disa Gambera)  
Department of English  
Intersections

1:50 Zackary Brown (Craig Dworkin)  
Department of English  
Conceptual Rewriting Practices in the Twenty-First Century

2:10 Brenna Asplund (Scott Black)  
Department of English  
In Border Country: The Nature of Magic and Reality in Terry Pratchett’s Discworld Series

PARLOR A  
Moderator: Brittany Coats, Department of Engineering

1:30 McKenna Drysdale (Brittany Coats)  
Department of Mechanical Engineering  
Material Property Testing of Hydrogels
Oral Session III – PARLOR A Continued

1:50 Boston Terry (Brittany Coats)
Department of Engineering
DTI Voxel-Wise Analysis of Porcine Mild TBI

2:10 Michael Cline (Thomas C. Henderson)
Department of Computing
Robotics Engineering & Computer Science

2:30 Eric Snyder (Joel B. Harley)
Department of Electrical & Computer Engineering
Structural Health Monitoring Using Guided-Wave Ultrasonics

PARLOR B
Moderator: Elizabeth Tashjian, Department of Finance

1:30 Dana Romero (Glen Schmidt)
Department of Operations & Information Systems
The Facilitation of Process Improvement Projects at the University of Utah Hospitals and Clinics in period 2011-2014

1:50 Chris Rondem (Minqi Li)
Department of Economics
Rising above Collective Action Problems through Political Party Structure in China: An Introduction to Quasi-Neoliberal Political Economy

2:10 Zhao Jin (Elizabeth Tashjian)
Department of Finance
How Is The Company’s Stock Risk Associated With Its Demand Elasticity?

2:30 Rosalie Waller (Nicola J. Camp)
Department of Internal Medicine
Exome Sequencing in 77 Multiple Myeloma Cases Uncovers Potential Germline Risk-Variants

ROOM 312
Moderator: Franz Goller, Department of Biology

1:30 Jasmine Bishop (Shanti Deemyad)
Department of Physics & Astronomy
Re-emergent Superconductivity of KFeSe under pressure
(authors: Jasmine Bishop, Anne Marie Schaeffer, Florence Doval, Shanti Deemyad)

1:50 Jason Chen (Franz Goller)
Department of Biology
Dissecting the Genetic and Learned Components of Oscine Birdsong
Oral Session III – ROOM 312 Continued

2:10 Alexandra Kent (Jennifer Heemstra)
Department of Chemistry
Small Molecule Detection Using Split Aptamer Ligation

2:30 Judy Zhu (Cynthia Burrows)
Department of Chemistry
Analysis of the Equilibrium Between Guanine Oxidation Products 5-Guanidinohydantoin and Iminoallantoin

ROOM 319
Moderator: Polly Wiessner, Department of Anthropology

1:30 Natalie Spendlove (Leslie Knapp)
Department of Anthropology
Mitochondrial Genetic Variation among Howler Monkeys

1:50 Alexandra Butler (Polly Weissner)
Department of Anthropology
Is Utah’s Sex Education Controversy Relevant Today?

2:10 Kimberly Quirarte (Alex Doing)
College of Nursing
Evaluation of a Web-Based Virtual Preceptorship for Moderate Sedation Training

2:30 John Simpson (Sheikh Safiullah)
Department of History
The Negative Aspect of Celestial Phenomena Is Consistent with the Mandaean Gnostic Worldview

ROOM 323
Moderator: Stephen Goldsmith, Department of City & Metropolitan Planning

1:30 Enoch Smith (Claudia Geist)
Department of Sociology
Sisterwives and Submission?: Gender Power Dynamics in Polygynist Marriages

1:50 Taylor Webb (Heather Melton)
Department of Sociology
Effects of Bullying and Gender on Suicide

2:10 Fattima Ahmed (Akiko Kamimura)
Department of Sociology
Health Experiences and Perceptions among Free Clinic Patients
2:30 Alexander Sanchez (Richard Medina)
Department of Geography
Reexamining Global Drug Eradication Policies: A Systemic Analysis of their Ecological and Societal Effects in Mexico, Colombia, and Afghanistan

PANORMA EAST
Moderator: Masha Sukovic, Department of Communication

1:30 Kevin McFarland (Masha Sukovic)
Department of Communication
Private Umbilical Cord Blood Banks and how they Utilize Rhetoric
Oral Session III – PANORAMA EAST Continued

1:50 Erin Olschewski (Masha Sukovic)
Department of Communication
C is for Carrots, Community Gardens, and Co-ops: A Thematic Analysis of the Ways in which Sesame Street Approaches Nutrition, Sustainability, and Social Justice

2:10 Christian Reihle (Peter von Sivers)
Department of History
Secession of the Arab Polity During the 7th Century

2:30 Kelly O’Neill (Edward Bateman)
Department of Art & Art History
Bifurcate: Intersections and Photography

PERFORMING/VISUAL ARTS SESSION III
1:30 – 2:50 p.m.

BALLROOM WEST
Moderator: Sydney Cheek O'Donnell, Department of Theater

1:30 Danielle Endow (Kevin Hanson)
Department of Film & Media Arts
Representation of Female Protagonists in Film

1:50 Natham Witham (Mike Cottle)
Department of Music
Generative Music

2:10 Sam Katz (Mike Cottle)
Department of Music
Tom Stockham: The Father of Digital Audio Recording
Performing/Visual Arts Session III – BALLROOM WEST Continued

2:30 Michael T. Brown (Sydney Cheek-O’Donnell)
Department of Theater
Wild, Wild Love: Developing New Work for the Stage

POSTER SESSION I
9:00 – 10:30 a.m.

MAIN BALLROOM

Poster 1: Christopher Reay (Kai Kuck)
Department of Anesthesiology
Evaluation of Elastomeric Pumps for Regional Pain Control

Poster 2: Meg Baker (Jack Broughton)
Department of Anthropology
A 10,000 year El Niño-Pocket Gopher (Thomomys bottae) Response Record from Northern Baja California, Mexico

Poster 3: Madeleine Clark (Polly Weissner)
Department of Anthropology
Changing Diet Among the Congolese Refugee Population: Implications for Health and Social Integration

Poster 4: Anna Hardesty and Arianna Lokeni (Karen Kramer)
Department of Anthropology
Mothers, Milk, and Money: Sex Differences in Maternal Investment and Growth Outcomes Among Maya Children

Poster 5: Austin Henderson (Polly Weissner)
Department of Anthropology
Gender Differences in Food Choice

Poster 6: Benjamin Fasoli (John Lin)
Department of Atmospheric Sciences
TRAX Based Trace Gas and Aerosol Measurement

Poster 8: Zachary Ferrell (Kristofer Sinclair)
Department of Bioengineering
In Vivo Analysis of an Antibiotic-Eluting, Resorbable, Bone Void Filler, a Large Animal Pilot Study

Poster 9: Sean Finley (Jeffrey Weiss)
Department of Bioengineering
Finite Element Modeling of the Hip Joint in Dysplastic Subjects

Poster 10: Taylor Fowers (Benjamin Ellis)
Department of Bioengineering
FEM of the Cervical Spine for Biomechanical Soft Tissue Analysis
**Poster 11: Matthew Holbrook (Allison Payne)**  
*Department of Bioengineering*  
*Thermal Sensitivity to High IntensityFocused Ultrasound in Vascular Phantoms*

**Poster 12: Mark Khoury (Robert Hitchcock)**  
*Department of Bioengineering*  
*Muscle Activity Changes Due to Immobilization and Partial Weight Bearing of the Lower Leg*

**Poster 13: Max Taggart (Rob MacLeod)**  
*Department of Bioengineering*  
*Using LG-MRI Analysis to Assess Atrio-Esophageal Fistula Risk Following Cardiac Ablation*

**Poster 14: Blair Gerratt (Bruce Gale)**  
*Department of Mechanical Engineering*  
*Microfluidic Cell Printing to Create Cellular Arrays for Cell-Based Assay*

**Poster 15: Alyssa Black (Nitin Phadnis)**  
*Department of Biology*  
*Identifying Hybrid Incompatibility Genes in D. pseudoobscura*

**Poster 16: Alexander Cao (Martin P. Horvath)**  
*Department of Biology*  
*Refolding of Protein Domains Derived from the NMDA Receptor*

**Poster 17: Christine Henry (Kelly Hughes)**  
*Department of Biology*  
*The Study of the Interaction of FliG and H-NS in Salmonella Typhimurium*

**Poster 18: Alex Hyer (William Brazelton)**  
*Department of Biology*  
*ATP Production in Serpentinization-Driven Ecosystems*

**Poster 19: Claire Lu (Erik Jorgensen)**  
*Department of Biology*  
*Developing Methods for in vivo Super Resolution Microscopy*

**Poster 20: Johanna Estrada (Thomas O’Hare)**  
*Department of Internal Medicine*  
*BCR-ABL1 Compound Mutations Combining Key Kinase Domain Positions Confer Clinical Resistance to Ponatinib in Philadelphia Chromosome-Positive Leukemia*

**Poster 21: John Gilbert (Dimitri Trankner)**  
*Department of Human Genetics*  
*Quantitative Neuronal Activity Measurement at Single-Cell Resolution Across the Entire Brain*
**Poster 22: Christian Hicken (Sarah Franklin)**  
Department of Biochemistry and Cardiovascular Research and Training Institute  
*Post Translational Modifications in Histones*

**Poster 23: Mason Burger (Leonard Pease)**  
Department of Chemical Engineering  
*Permeability of Esophageal Tissue*

**Poster 24: Anastasia Borodai (Cynthia Burrows)**  
Department of Chemistry  
*The effects of various metal ions on the folding of G-Quadruplexes*

**Poster 25: Quan Le (Otakuye Conroy-Ben)**  
Department of Civil & Environmental Engineering  
*Bioremediation of Endocrine Disruptors from Waste and Surface Waters*

**Poster 26: Jorge Barraza (David Derezotes)**  
Peace and Conflict Studies  
*Deepening the Learning Experience Through Dialogue and Reflection*

**Poster 27: Everett Barnes (Frank B. Sachse)**  
Department of Bioengineering  
*Remodeling of Gap Juncions Three Weeks After Infarction in Infarct Border Zone*

**Poster 28: Alysa Edwards (Sujee Jeyapalina)**  
Department of Bioengineering  
*Understanding the Periprosthetic Microenvironment Surrounding Percutaneous Devices: Use of Simple Immunohistochemical Techniques to Predict Healing Outcomes*

**Poster 29: Garvin Tran (Jeff Weiss)**  
Department of Bioengineering  
*Biglycan and Decorin Regulate Collagen fibrillogenesis Resulting in Increased Tensile Strength and an Interconnected Network*

**Poster 30: Jordan Walker (Ken Monson)**  
Department of Mechanical Engineering  
*Impact of Cerebral Vasculature Branch Points in Primary Blast*

**Poster 31: Alec Clayton (Kurt Albertine)**  
Department of Pediatrics  
*Brain Vascular Growth Factor Protein Abundance is Differentially Affected by Ventilation Mode in Preterm Lambs*

**Poster 32: Ethan Beseris (Lee Dibble)**  
Department of Physical Medicine & Rehabilitation  
*Error Analysis of Video Head Impulse Testing System*
Poster 33: Kara Henrie (Cecilia Wainryb)
Department of Psychology
Children’s and Adolescents’ Moral Development and Self-Event Connections in Accounts of Harm

Poster 34: Hayden Bush (Chris Stratford)
Department of Surgery
CARES (Cardiac Arrest Registry to Enhance Survival)

Poster 35: Sam Judd (Rajesh Menon)
Department of Electrical & Computer Engineering
Micro Patterning and Electroforming of Discrete Micro-Optic Devices

Poster 36: Sami Safiullah (Thomas Maloney)
Department of Economics
Examining Corporate Social Disclosure and Financial Reporting in Qatar

Poster 37: Parisa Badizadegan (Kirsten Butcher)
Department of Educational Psychology
Understanding and Evaluating Effective Technology Integration in the Classroom

Poster 38: Deanna Lines (Troy Madsen)
Department of Surgery
Family History and the Risk of Diagnosis of Acute Pulmonary Embolism in the Emergency Department

Poster 39: Alexa Weight (Scott Youngquist)
Department of Surgery
Evaluation of Cardiac Care in the State of Utah

Poster 40: Rachelle Chaston (Charlie Hicks-Little)
Department of Exercise & Sport Science
The Effects of Fluoroquinolone Toxicity in a Healthy Athletic Female: A Case Study

Poster 41: Kha Nguyen (Kerry Jaques)
Department of Exercise & Sport Science
The Effectiveness of ePortfolio for Graduating Students

Poster 42: Lisa Palomaki (Jim Martin)
Department of Exercise & Sport Science
Determining the Effects of Pedaling Rate on Fatigue During Maximal Effort Cycling

Poster 43: Adam Rockwood and Justin Bean (Charlie Hicks-Little)
Department of Exercise & Sport Science
The Acute Effects of Russian Stimulation on Peak Torque in the Elbow Joint
Poster 44: Carlie Teague (Jennifer Watt)
Environmental and Sustainability Studies Program
A High-Resolution Record of MPB Outbreaks over the Holocene at Baker Lake, Montana

Poster 45: Rials Christensen (Richard Forster)
Department of Geography
Snow Accumulation During the Last Decade: A Study of Greenland and Antarctica

Poster 46: Evan Melquist (Erich Petersen)
Department Geology & Geophysics
Geothermal Alteration in Government Canyon, Elberta, Utah

Poster 47: Andrea Gossles and Sarah Webb (Les Chatelain)
Department of Health Promotion and Education
Comparing Traditional Format EMT Classes with Hybrid EMT Classes

Poster 48: Katrina Farkas Hineker and William Tang (Alan Light)
Department of Anesthesiology
The Effects of Pregabalin on Pain

Poster 49: Megan Dipo (Bradley Parker)
Department of History
Bringing Microarchaeology to the Andes

Poster 50: Elliot Lee (Nels Elde)
Department of Human Genetics
Asthma Genes and IFN Inducible GTPases

Poster 51: Tyler Schimko (Gillian Stanfield)
Department of Human Genetics
Mapping Suppressors of swm-1 in Caenorhabditis elegans

Poster 52: Andrew Pagels (Tomasz Petelenz)
Department of Bioengineering
At-Home Medical Testing: Verifying the Reliability of a Novel Sample Collection Device, iTesT™

Poster 53: Savannè Bohnet (Rachel Hayes-Harb)
Department of Linguistics
International Teaching Assistant Accent Adaptation Study

Poster 54: Carina Hahn (Mike Scarpulla)
Department of Electrical & Computer Engineering
Plasmonically Active Silver Nanowire Structures for Energy Storage Applications
Poster 55: Andrew Blanco and Cody Wayment (Keunhan Park)  
Department of Mechanical Engineering  
Nano-scale Conductive Heat Transfer of Air between Parallel Plates

Poster 56: Casey Elliott (Swomitra Mohanty)  
Department of Metallurgical Engineering  
Bacterial Inactivation with Anodically formed Titanium Dioxide Nanotubes

Poster 57: Moriah Sadiq (Jesse Rowley)  
Department of Internal Medicine  
Induction of Neutrophil Extracellular Trap (NET) Formation By Stored Platelets

Poster 58: Megan McDowell (Alexa Doig)  
College of Nursing  
Root Cause Analysis of Medication Errors Made by Novice Nurses

Poster 59: Scott Khuu (Rodney Stewart)  
Department of Oncological Sciences  
sdhb Deficiency in Neuroblastoma

Poster 60: Michael West (Andrew Anderson)  
Department of Orthopedics  
Motion Analysis in the Ankle Joint Complex

Poster 61: Ida Nourbakhsh (Hamid Ghandehari)  
Department of Pharmaceutical Chemistry  
Designing an Embolic Therapy Capable of Drug Delivery

Poster 62: Sophia Mahoney (Jordan Gerton)  
Department of Physics & Astronomy  
Using Surface States of Gallium Nitride Nanowires for Solar Spectrum-Matched Photocatalytic Water-Splitting

Poster 63: Cecilia Cardozo (Cori A. Agarwal)  
Department of Surgery  
FTM Chest Masculinization

Poster 64: Diya Shah (Ella Myers)  
Department of Political Science  
Appropriation of Sacajawea During the First Wave Feminism

Poster 65: Willem Collier (Tabitha Benney)  
Department of Political Science  
Stabilization and Adjustment in Economies of Transition: Analyzing Prerequisites for Success
Poster 66: Tillie McInnis (Ella Myers)
Department of Political Science
Disruptive Power: A Comparison of Political Voice for Non-Elites After The Great Depression & The Recession of 2008

Poster 67: Jacob Tonks (Mark Button)
Department of Political Science
Political Life Without Virtue: A Response to the Situationist Critique of Virtue Ethics

Poster 68: Marshall Grimm (Cecilia Wainryb)
Department of Psychology
Adolescent’s Guilt Proneness and Their Emotional Arousal During Narratives of Their Moral Transgressions

Poster 69: Bryce Huntbach (Yana Suchy)
Department of Psychology
Can the Measurement of State Changes During Neuropsychological Testing Be Used to Improve Ecological Validity Above and Beyond Task Performance?

Poster 70: Magdalen Memmott (Jason Watson)
Department of Psychology
DRM and Driving: Creation of False Memories under Cognitive Workload

Poster 71: Mira Reynolds (Craig Bryan)
Department of Psychology
Guilt and Shame Among Military Personnel and Veterans Who Have Experienced Military Sexual Trauma

Poster 72: Leslie Cepeda-Echeverria (Matthew S. Thiese)
Department of Family & Preventive Medicine
Depression, Lost Work Time and Light Duty in Manufacture Workers with Low Back Pain

Poster 73: Steven Farr (John Eckstein)
School of Music
Supplementing Cello Studies with Frequent Performance Opportunities

Poster 74: Tera Clausen (Rebecca Utz)
Department of Sociology
Fruit and Vegetable Consumption in Utah: Identifying Low-consuming Market Segments and Appropriate Mediums to Use for Outreach Opportunities

Poster 75: Jeffrey Furlong (Cathleen Zick)
Department of Family & Consumer Sciences
Strategic Planning for Experiential Learning Outcomes

Poster 76: Georgie Zamantakis (Lindsay Gezinski)
College of Social Work
Invisible Bodies: Queer* and Trans* Youth in the Juvenile Legal System
Poster 77: Libby Giles (Brett Clark)
Department of Sociology
Small Business in a Global Economy: Can Local Florists Continue to Blossom?

Poster 78: Tonya Long (Rebecca Utz)
Department of Sociology
The Price of Getting Fit: How Socioeconomic Status Affects Physical Activity Level in Utah

Poster 79: Rebekah Meads (Rebecca Utz)
Department of Sociology
High and Low Indexing Segments for Access and Utilization of Healthcare across Utah

Poster 80: Jessica Twombly (Darlene Caldwell)
Urban Institute for Teacher Education
Collaborative Methods of Special Education and General Education Teachers

Poster 81: Jessica Luviano (Carolyn Bliss)
Health Sciences LEAP
Building Better Anticoagulants

Poster 82: Matthew Drake (Sarah Hinners)
Department of City & Metropolitan Planning
Parks and Children: A National Analysis of the Distribution and Access That Children Living in Poverty Have to Green Space in Mid-Sized Urban Areas

POSTER SESSION II
10:30 a.m. – 12:00 p.m.
MAIN BALLROOM

Poster 1 (Southwest Corner): Jared Walker (Maureen O’Hara Ure)
Department of Art & Art History
Suburban Narratives: A Painting Series

Poster 2: Megan Davies (Brian Baucom)
Department of Psychology
Physiological Predictors of Stress in Couple’s Interactions

Poster 3: Carina Hahn and Omar Salah (Mike Scarpulla)
Department of Electrical & Computer Engineering
Design of a Fabrication Process for CZTS/Se Photovoltaics

Poster 4: Spencer Taylor (Richard J. Porter)
Department of Environmental & Civil Engineering
Review Of Potential For Illuminated Pavement Markers On Utah Roads
Poster 5: Emily Dart (Robin Craig)
College of Law
*Climate Change Impacts on Water Treatment Facilities in New York: A Public Health Concern*

Poster 6: Alexander Lowe (Gabe Bowen)
Department of Geology & Geophysics
*Chemical weathering rates preserved in Paleocene aged Paleosols from Big Bend National Park, West Texas*

Poster 7: John Roylance (Marjorie Chan)
Department of Geology & Geophysics
*Red Hill Hot Springs Mineralogy and, Hydrothermal Environments Monroe, Utah*

Poster 8: Hillary Terrell and Megan Bush (Linda Edelman)
College of Nursing
*Prevalence and Characteristics of Common Skin Diseases in Rural Ghanaian Children*

Poster 9: Jiayue Feng (Jindrich Kopecek)
Department of Pharmaceutical Chemistry
*HPMA-PNA Hybrid Hydrogel Formed by “P-Form” Triplex*

Poster 10: Alexander Beams (Frederick R. Adler)
Department of Mathematics
*Epidemiology of Dual-Strain Bacterial Infections*

Poster 11: Alyssa Iacono (Carol Sansone)
Department of Psychology
*Context Affects Undergraduates’ Goals and Engagement Behaviors When Learning Online*

Poster 12: Kya Palomaki (Brent Steele)
Department of Political Science
*A World Without Nukes: International Relations Perspectives*

Poster 13: Madison Thomas (Lisa Diamond)
Department of Psychology
*Coding Sexuality*

Poster 14: Kayla Watson (Claudia Geist)
Department of Sociology
*The Price of Gender Equality: Visualizing the Link Between Marriage, Divorce Patterns, and Gendered Economic Opportunities in Comparative Perspective*

Poster 15: Guowang Rao (Michael Cooper)
Department of Finance
*Predicting Financial Markets with Google Search Volume Index*
Poster 16: Moore Kurt (Jeff Coles)
Department of Finance
Analyzing the Market Value of Firms Within Contributing Industries of the 2008 Financial Crisis

Poster 17: Charles Foote (Jeff Coles)
Department of Finance
Measuring an Ideas Based Economy: An Analysis of Total Factor Productivity

Poster 18: Tyler McDaniel (Erin Castro)
Department of Education, Leadership and Policy
Demographics of the Salt Lake Educational Pipeline

Poster 19: Patrick Eccles (Robert Kessler)
Department of Computing
Student Game Design Process

Poster 20: Ian Robinson and Mikal Hannah (Taylor Sparks)
Department of Materials Science & Engineering
Building a Spark Plasma Sintering Machine for Advanced Ceramic Synthesis

Poster 21: Clarissa Godinez Hernandez (Julie Metos)
Department of Nutrition
The First Years Out: Young Adults’ Perception on Healthful Eating and Physical Activity

Poster 22: Francisco Samaniega and Itzel Hernandez (Carolyn Bliss)
Health Sciences LEAP
Mentorship Towards Higher Education

Poster 23: Alejandra Hernandez and Deysi Rivera (Carolyn Bliss)
Health Science LEAP
Reach For Your Dreams in a Dual Immersion Classroom

Poster 24: Christina Ferguson (Katherine J.W. Baucom)
Department of Psychology
Marital Status and Distress Among Low-Income Couples Transitioning to Parenthood

Poster 25: Mackenzie Martin (Sara Yeo)
Department of Communication
Utah Residents’ Perceptions of Water Issues

Poster 26: Amanda Jarvis (Soheila Amirsoleimani)
Department of Languages & Literature
Leftists as Political Opposition in Iran
**Poster 27:** Lindsai Schwendiman (Mark Matheson)  
Department of English  
*Surrogacy and Sisterhood: How Female Alliances Challenge Patriarchal Society in Shakespeare*

**Poster 28:** Alex Boren (Alf Seegert)  
Department of English  
*Questioning My Answers: Exploring “Cloud Atlas” In Relation To My B.U.S. Degree, “Philosophy for Life”*

**Poster 29:** Caroline Wang (Catherine Loc-Carrillo)  
Department of Orthopedics  
*Treatment of Osteomyelitis Using Vancomycin Administered Locally in an In-vivo Rat Model*

**Poster 30:**

**Poster 31:** Arielle de Jesus (Michael Simpson)  
Department of Metallurgical Engineering  
*Investigating the Reduction Potentials of Lithium Oxide Salt*

**Poster 32:** Elizabeth Howell (Rodney Stewart)  
Department of Oncological Sciences  
*Analysis of Candidate Genes Sufficient for Craniofacial Defects Associated with Chromosome 7P22.1 Microduplication*

**Poster 33:** Joshua Visser (Thomas Richmond)  
Department of Chemistry  
*Selective Reduction of Isomeric Perfluorodecalin and Other Fluorine Compounds with a Sandwich Compound*

**Poster 34:** Alyssa Fredbo (Martin Horvath)  
Department of Biology  
*Bacterial Expression of Toxins from Predatory Cone Snails to Identify Potential Novel Therapeutic Drugs*

**Poster 35:** Andrew Hancock (Colin Date)  
Department of Biology  
*Genetically Engineering Sodalis glossinidius Using Native Plasmid DNA*

**Poster 36:** Garrett Stevens (Vikram Deshpande)  
Department of Physics & Astronomy  
*Synthesis of Topological Insulator Heterostructures via Chemical Vapor Deposition*

**Poster 37:** Charles Lee (Brian Saam)  
Department of Physics & Astronomy  
*A Demonstration Apparatus for Spin-Exchange Optical Pumping*
Poster 38: Joseph Aman (Baldomero Olivera)  
Department of Biology  
Conopeptide Discovery through Calcium Imaging

Poster 39: Michael Zhao (Braxton Osting)  
Department of Mathematics  
Spectrum of Random Graph Models

Poster 40: Judah Evangelista (Janis Louie)  
Department of Chemistry  
Synthesis of Natural Products via Ni-Catalyzed Cycloaddition

Poster 41: Nicole Talbot (Mitchell Power)  
Department of Geography  
Providing a Long-term Context for the 2007 Milford Flat fire: A 13,000-year Fire History

Poster 42: Logan Broadbent (Adrian Bell)  
Department of Anthropology  
Incorporating Faculty Data and Research in Student Learning

Poster 43: Hye-ri Lee (Monisha Pasupathi)  
Department of Psychology  
Eliciting Event Type: Rumination and Emotional Complexity

Poster 44: Colette Ankenman (Marissa Deiner)  
Department of Family & Consumer Studies  
Understanding Youth Educational and Occupational Goals in After School Programs

Poster 45: Katrina Riley (Bob Butters)  
College of Social Work  
Batterer Intervention Programs’ Effectiveness: A Qualitative Study

Poster 46: Kanyana Juliet (Matthew S. Thiese)  
Department of Family & Preventative Medicine  
Personal Factors associated with Seeking Health Care for Low Back Pain

Poster 47: Jordan O’Neal (Brian Chapman)  
Department of Radiology  
Making Medical Images Meaningful: Patient-Orientated Reporting Using Structured Textual and Graphical Tools

Poster 48: Brandon Day (Taylor Sparks)  
Department of Materials Science & Engineering  
Phase Change Material as a Heat Sink
Poster 49: Stephanie Tello (Jie Zhang and Ron Hughen)
Department of Anesthesiology
An Immunohistochemical Study of the Sensory Innervation in the Mouse Skeletal Muscle

Poster 50: Spencer Knight (Andrew Anderson)
Department of Orthopedics
The Morphology and Mechanics of Hip Dysplasia and PAO Surgery

Poster 51: Enoabasi Etokidem (Akiko Kamimura)
Department of Sociology
Health Promotions Programs through Free Clinics in Underserved Populations

POSTER SESSION III
1:30 – 3:00 p.m.

MAIN BALLROOM

Poster 1: Connor Howard (David Plumlee)
Department of Accounting
FASB Proposed Revenue Recognition and the Impact Upon United States Corporate Financial Statements

Poster 2: Mahala Olsen and Liadra Alena Moea’I (Adrian Bell)
Department of Anthropology
Polynesian Material Culture

Poster 3: Gregory Stacy, Elizabeth Poulsen, Colby Kalian, and Conner Stephens (Erin Carraher)
Department of Architecture
Chicago LAB Midway Study

Poster 4: Alan Taylor (Anne Mooney)
Department of Architecture
Translation of Music into Architecture

Poster 5: Nathan Smith (Janet Shaw)
Department of Biochemistry
Generating Miro2 Knockouts in Mouse Embryonic Fibroblasts

Poster 6: Jordan Davis (Bruce Gale)
Department of Mechanical Engineering
Bacteria Detection via Electrochemical Tagging

Poster 7: Meera Raghavan (Tara L. Deans)
Department of Biochemistry
The Effects of Gene Expression Noise on Adipogenesis
Poster 8: Alexandros Cherry (Erik Jorgenson)
Department of Biology
Determining the role of Rab3-Interacting Molecule Binding Protein (RIMB-1) in Positioning L-type and N-type Voltage-Gated Calcium Channels within the Presynaptic Membrane

Poster 9: Rachel Painter, Chloe Young, and Kathleen Maguire (Wayne Potts)
Department of Biology
Sex-based, Reciprocal Virulence and Transmission Dynamics Due to Friend Virus Infection of Mice

Poster 10: Angela Hansen (Sarah Bush)
Department of Biology
Can the Presence of Avian Malaria in Pigeons Be a Proxy for the Presence of Its Mobile Insect Vector?

Poster 11: Elisabeth Zachary (Wayne Potts)
Department of Biology
Viral Evolution Driven by MHC Diversity

Poster 12: Hector Zumaeta Santiago (Sarah Bush)
Department of Biology
Effect of Environmental Gradients on Parasites of Deer Mice in the Great Basin

Poster 13: Nicole Leonard (Dave Temme)
Department of Biology
Vitamin D Deficiency in Flight Attendants and Pilots

Poster 14: Mandy Giles (Denise Dearing)
Department of Biology
Chill Out: Behavior Shifts by Mammalian Herbivores Challenged by Temperature and Toxins

Poster 15: Yinhua Su (Catherine Loc-Carrillo)
Department of Orthopedics
Obligately Lytic Phage Treatment for Methicillin-Resistant Staphylococcus Aureus Infections

Poster 16: Alexa Anderson (Sarah Franklin)
Department of Internal Medicine
Smyd5’s Role in Regulating Cell Growth in Isolated Ventricular Myocytes

Poster 17: Kelli Nelson (Jules Magda)
Department of Chemical Engineering
How Sterilization Affects Glucose-Sensitive Hydrogels

Poster 18: Van Nguyen (John McLennan)
Department of Chemical Engineering
Itasca FLAC3D and PFC3D for Simulating In-situ Pyrolysis
**Poster 19: Jason McHann (Michael Hoepfner)**
Department of Chemical Engineering
*Synthesis of Silver Nanocube Dimers for Molecular Detection*

**Poster 20: Kelan Albertson (Shelley Minteer)**
Department of Chemistry
*Improving Fuel Cell Performance Through Modifications of the Electrode Surface*

**Poster 21: Evelyn Kimbrough (Jennifer Heemstra)**
Department of Chemistry
*Determination of Critical Micelle Concentrations Using a New Solvatochromatic Dye*

**Poster 22: Dominic Caputo (Michael Bartl)**
Department of Chemistry
*Development of Methodology of Mesoporous Composite Materials*

**Poster 23: Elias Cardiel (Reha Toydemir)**
Department of Pathology
*Finding the Genetic Makeup of Individuals with Bor Syndrome*

**Poster 24: Ming Gao (Joel Harley)**
Department of Electrical & Computer Engineering
*Calibration-free tumor detection*

**Poster 25: Jared Perry (Traci Thompson)**
Department of Exercise & Sports Science
*Marketing Strategies and Business Systems*

**Poster 26: Otgonbayar Ochirbat (Erich Petersen)**
Department of Geology & Geophysics
*Advanced-Argillic Alteration in the Silver Pass Area, East Tintic Mountains, Utah*

**Poster 27: Jason Chieh Sheng Tey (Yan-Ting Shiu)**
Department of Internal Medicine
*Detection of Damaged Collagen in Uremic Vessels Using Photo-Cleavable Nitrobenzyl-caged and Carboxyfluorescein-labeled Collagen Mimetic Peptides*

**Poster 28: William Meredith (Kevin John and Maija Reblin)**
College of Nursing
*The Occurrence of Positive Emotion in Hospice Family Caregiver and Nurse Communication*

**Poster 29: Amy Yu (Kent Bachus)**
Department of Orthopedics
*PMMA Formula Modification Through the Preinfiltration and Infiltration Times to Create Optimal Product for Immunohistochemistry Studies*
Poster 30: Ingrid Gonzalez, Mackenzie Hirai, and Cameron Silva (Cori Agarwal)  
Department of Surgery  
FTM Chest Masculinization

Poster 31: Curtis Miller (Cihan Bilginsoy)  
Department of Economics  
Utah’s Gender Gap

Poster 32: Matthew Hadley (Scott Youngquist)  
Department of Surgery  
Patients Admitted to the OU: Frequency of Condition Management Changes Following Further Observation Unit Testing

Poster 33: Bettymaya Foott (Stephen Goldsmith)  
Department of City & Metropolitan Planning  
Light Pollution Hazards to Nocturnal Avian Migration

Poster 34: Sean Shahmirzadi (Charlie Hicks-Little)  
Department of Exercise & Sport Science  
Bilateral Os Trigonum in Division I Female Gymnast

Poster 35: Adam Whitney (Charlie Hicks-Little)  
Department of Exercise & Sport Science  
Assessing the Need of Physical Therapy in the Salt Lake City Homeless Population

Poster 36: Claire Schraidt (Erich Petersen)  
Department of Geology & Geophysics  
Paleo Hot Spring Geothermometry in the Treasure Hill Area, East Tintic Mountains, Utah

Poster 37: Willem Schott (Adrienne Cachelin)  
Environmental & Sustainability Studies Program  
Promotion vs. Education in Choosing “Real Food”

Poster 38: Kylie Gilmartin and Brenda Alcantar (Carolyn Bliss)  
Health Sciences LEAP  
Helping Children Reach for Their Dreams

Poster 39: Katie Tran and Luan Truong (Jim Agutter and Mary Elizabeth Hartnett)  
Department of Architecture and Department of Ophthalmology  
Coat’s Disease Patient Needs Assessment

Poster 40: Joshua Cordova and Min-Jee Goh (Carolyn Bliss)  
Health Sciences LEAP  
Bryant and Beyond Research Project
Poster 41: Monique Sumi and Kelsey Hanna (Carolyn Bliss)
Health Science LEAP
Reach for your Dreams

Poster 42: Khrystine Kelsey (Ginger Smoak)
Department of History
Prostitution & the Construction of Female Identity

Poster 43: Kathy Tran (Elizabeth Clement)
Department of History
Sexual and Reproductive Health and Services in the Women’s Jail

Poster 44: Sydney Wyatt (Deborah Neklason)
Department of Internal Medicine
Analysis of APC Mutation-Negative Patients

Poster 45: Jessica Loveland (Mamiko Suzuki)
Department of Languages & Literature
Sociolinguistic Differences Between Japanese and English as Seen through English Translations of Manga

Poster 46: Jennifer Mejia and Aesher Ossana (Nancy Allen)
College of Nursing
Self-efficacy Scale for Diabetes Dietary Behavior: Development and Psychometric Evaluation

Poster 47: Nolan Williams (Abby Kaplan)
Department of Linguistics
Modeling Self-Organized Category Formation and Selective Attention Training for Fricative Perceptual Cues

Poster 48: Max Gallant and Nic Flinner (Taylor Sparks)
Department of Materials Science & Engineering
Electrochromic Tint Control for Snow Goggles

Poster 49: Tyler Trueax (Mathieu Francoeur)
Department of Mechanical Engineering
Simulating Nanoscale Radiative Heat Transfer

Poster 50: Sean Jones (Bruce Gale)
Department of Mechanical Engineering
Biofuel Cells for Portable and Implantable Devices

Poster 51: Nandini Deo (Swomitra Mohanty)
Department of Chemical Engineering
Purification of Air Using Molecular Modeling and Photocatalytic Nano-materials
Poster 52: David Baraghoshi and David Zobell (Linda Edleman)
College of Nursing
Triage Disparities for Traumatic Injuries in Older Adults

Poster 53: Jane Lembcke (Maija Reblin)
College of Nursing
Communication Reflections: Desired and Actual Talk in Home Hospice Care

Poster 54: Simran Kaur (Gwen Latendresse)
College of Nursing
The Impact of Maternal Depression on Serotonin Synthesis and Protein Transporters in the Placenta and Newborn Serotonin Levels

Poster 55: Melissa Mossar (Nancy Allen)
College of Nursing
Recruitment of Ethnically Diverse Populations in Diabetes Research

Poster 56: Maritza Lara Villota (Nancy Allen)
College of Nursing
Self-efficacy for Diabetes Dietary Behavior: Development and Psychometric Evaluation

Poster 57: Alexandrea Yost (Lauren Clark)
College of Nursing
Assessing Health-Related Quality of Life for Persons with Intellectual Disabilities

Poster 58: Yumna Subhani (Paul Bernstien)
Department of Ophthalmology and Visual Sciences
Improving the Uptake of Lutein And Zeaxanthin using Transgenic Mice Models

Poster 59: Trevor Hafer and Tyler Skinner (Andrew Anderson)
Department of Orthopedics
Hip Biomechanics

Poster 60: Andrew Johansen (Lisa McFadden)
Department of Pharmacology & Toxicology
Sex Differences in Methamphetamine Abuse

Poster 61: Maxton Muir (Louis Barrows)
Department of Pharmacology & Toxicology
Natural Products from Papua New Guinea Active Against Triple Negative Breast Cancer

Poster 62: David Stephens (Pearl Sandick)
Department of Physics & Astronomy
Constraints on Wimps and Dark Star Remnant Populations Using Synchrotron Radiation from Dark Matter Annihilations
Poster 64: Christiana Tu (John Francis)  
Department of Political Science  
Closing the Development Gap: Improving Health Care in Southeast Asia

Poster 65: Hannah Schryver (Matthew Euler)  
Department of Psychology  
EEG and Cognitive Correlates of Elementary Task Performance

Poster 66: Karen Stovall (Lisa Diamond)  
Department of Psychology  
Reasons for Cohabitation on the Outcome of Relationship Quality and Satisfaction

Poster 67: Julia Chandler (Sheila Crowell)  
Department of Psychology  
A Preliminary Investigation into the Effects of Mindfulness Practice in a Transdiagnostic Clinical Population

Poster 68: Isa Shreeve (Brandon Peterson)  
Department of Languages & Literature  
A Study of Monotheistic Origins in the Ancient Near East

Poster 69: Jessica Chamorro (Jaehee Yi)  
College of Social Work  
Cross-cultural Examination of the Developmental Experiences of College Students in the United States Using the Emerging Adulthood Theory

Poster 70: Sydney Willis (Caren Frost)  
College of Social Work  
Culturally Comprehensive Refugee Family Planning Curriculum

Poster 71: Enoch Smith (Claudia Geist)  
Department of Sociology  
When Men Are the Victims: The Incidence of Sexual Assault Against Men

Poster 72: Sarath Thekkedath (Kenneth M. Golden)  
Department of Mathematics  
Sea Ice in a Metal Box: What Can it Tell us About Our Climate?

Poster 73: Oliver Richardson (Holly Sebahar)  
Department of Chemistry  
Spirit of the Matter: Harnessing Gaming to Teach Organic Chemistry

Poster 74: Courtney Dean (Thomas Maloney)  
Department of Economics  
Poverty in Utah
Poster 75: Toni Smith (Edward Bateman)
Department of Art & Art History
Love, And 1,138 Other Reasons to Marry

Poster 76: Megan Jensen (Sydney Cheek O'Donnell)
Department of Theater
Dr. Faustus and Bosch

Poster 77: Kinzie James (Bruce Dain)
Department of History
The Tunnel- A Concept Music Album

Multi- Disciplinary Design Displays
EAST BALLROOM

Poster 80: Brian Charlesworth (Jim Agutter)
Department of Architecture
Cyclone: Emergency Short Term Air Supply

Poster 81: Matthew Parkin (Elpitha Tsoutsounakis)
Department of Architecture
Adaptive Hand Cycle Peddle

Poster 82: Alex Pastucha (Jim Agutter and Elpitha Tsoutsounakis)
Department of Architecture
Salthe Adaptive Climbing Protection

Poster 83: Dane Antes (Jim Agutter)
Department of Architecture
Axis Adaptive Lever

Poster 84: Daley Yoshimura (Jim Agutter)
Department of Architecture
Lumi Modular Camping Lantern

Poster 85: Court Skabelund (Jim Agutter)
Department of Architecture
'Shifting' the Conversation

Poster 86: John Fabela (Jim Agutter)
Department of Architecture
Spark: Survival Hatchet

Poster 87: Vance Hawley (Jim Agutter and Elpitha Tsoutsounakis)
Department of Architecture
HYPRE - HandcYcle Powered Recumbent Exoskeleton
Poster 88: Jacob Turnblom (Elpitha Tsoutsounakis)
Department of Architecture
Shotgun Silencer

Poster 89: Remington Plewe (Jim Agutter)
Department of Architecture
Anaconda X1

Poster 90: Samantha DeHerrera (Jim Agutter)
Department of Architecture
Fit Grip

Poster 91: Justin Pōk (Jim Agutter)
Department of Architecture
Bright Ties

Poster 92: Zach Henderson (Jim Agutter and Elpitha Tsoutsounakis)
Department of Architecture
Qik Clip

Poster 93: Jonathon Wilson (Jim Agutter and Elpitha Tsoutsounakis)
Department of Architecture
An Innovative Communication Device for Climbers

Poster 94: McKay Nilson (Elpitha Tsoutsounakis)
Department of Architecture
Summit Snowboard Tool

Poster 95: Michael Larsen (Elpitha Tsoutsounakis)
Department of Architecture
Salvelinus Sole Inserts

Poster 96: Aliza Jensen (Elpitha Tsoutsounakis)
Department of Architecture
Black Pine Coffee Brewing System

Poster 97: MaKell Webb (Elpitha Tsoutsounakis)
Department of Architecture
Lil’ Geode

Poster 98: DJ Stuart (Jim Agutter and Elpitha Tsoutsounakis)
Department of Architecture
Velo Wrist Clip
Multi-Disciplinary Design – EAST BALLROOM Continued

Poster 99: Anna Ferguson (Jim Agutter)
Department of Architecture
Adaptive Sports: Relieving Pressure Sores with Cycling Pants

Poster 100: Evan Howard (Jim Agutter)
Department of Architecture
Hand Cycling Shoe

Poster 101: Brooke Keene (Jim Agutter)
Department of Architecture
Adaptive Outdoor Blanket

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