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AGENDA

Saturday, April 02, 2016

10:00am - 12:30 pm  Oral Presentations (Salmon River Suites)
                          Poster Presentations (Ballroom)

12:45 pm - 1:30 pm  Keynote Speaker/ Catered Buffet Lunch (Ballroom)

1:45 pm - 4:00 pm  Professional Development Workshops (Salmon River Suites)

4:00 pm - 4:30 pm  Award Presentations (Little Wood River Room)

*Refreshments will be served during every segment. Enjoy!

Follow us on Twitter - @IdahoStateGrad

Share today’s experience with us!

#ISUGradResearch2016
Dr. Sam Logan, Assistant Professor in the College of Public Health and Human Sciences at Oregon State University, received his BS and MS degrees from the University of Delaware in Psychology and Exercise Science. He completed his PhD in Kinesiology at Auburn University where his dissertation was awarded Auburn University’s “Outstanding Graduate School Distinguished Dissertation Award in Social Sciences”.

Dr. Logan completed a postdoctoral fellowship at the University of Delaware, where he was Project Manager for the Modified Ride-on Car Study. Dr. Logan has an impressive publication and grant award record throughout his career. Dr. Logan’s research examines how physical activity is used to participate, explore, and engage in the physical environment and the social world. He approaches his research with a broad perspective, incorporating multiple disciples, including psychology, human and motor development, physical education, and pediatric rehabilitation. Dr. Logan’s involvement in the Go Baby Go program facilitates community-based research and outreach by providing modified ride-on cars to children with limited mobility.
PROFESSIONAL DEVELOPMENT WORKSHOPS

1:45 PM- 2:30 PM

CV Writing 101
North Fork Room

Jessica Winston, PhD
Professor of English & Director of Graduate Studies in English

This workshop will introduce participants to the craft of creating an effective curriculum vitae. If possible, please bring a draft CV.

Developing Interdisciplinary Teams
South Fork Room

Panelists:

Nicki Aubuchon-Endsley, PhD, Department of Psychology
Michele Brumley, PhD, Department of Psychology
Nancy Devine, PT, DPT, MS, School of Rehabilitation and Communication Sciences
Bryan Gee, PhD, OTR/L, BCP, Department of Physical and Occupational Therapy
Heather Ramsdell-Hudock, PhD, CCC-SLP, Department of Communication Sciences and Disorders
Rosemary Smith, PhD, Department of Biological Sciences

Many fields have moved towards an interdisciplinary emphasis, combining the strengths of multiple disciplines into a single team. This panel features faculty across the university that are engaged in collaborative research efforts. Each panelist will discuss what “interdisciplinary” means to them and how interdisciplinary teams and projects can develop. Following a brief presentation, the panelist will answer questions from the audience.
Facilitating Graduate Research with Community Engagement and Outreach
Middle Fork Room

Sam Logan, PhD
College of Public Health and Human Sciences
Oregon State University

An important component of research and delivering health messages can be developing a strong, positive relationship with the community. Dr. Sam Logan has worked extensively with community members as part of the GoBabyGo! Program. This workshop will discuss a) how to develop positive relationships with the community b) how to get the community engaged with research projects occurring at the university, and c) integrating undergraduate research projects and experiences within the community.

Become a Fan!

Like us on Facebook to stay updated on:

- Graduate Funding Opportunities
- Graduate Student Research
- Upcoming events
- And much more…

www.facebook.com/isugraduate
Entrepreneurship and Technology Commercialization: Pathways and opportunities for creating new products, services, and companies based upon new inventions and discoveries
North Fork Room

Christopher Fasel, JD, CEO
Intellectual Property Foundation

In this session, Christopher Fasel will discuss the and overview of intellectual property laws and processes, as well as two main pathways for translating scientific discoveries into products and services offered to the public and industry, focusing on discoveries generated through academic and university research. The two main focuses will be on partnering with established companies and the entrepreneurial pathway of starting a new company and building a strong team to best facilitate the possibility of success.

Publish Without Wanting to Perish
South Fork Room

Brian Attebery, PhD
Professor of English & Editor, Journal of the Fantastic in Arts

Terry Bowyer, PhD
Professor of Biological Science

The duo will share their wealth of academic publishing experience and answer your publication questions
## 2015 Award Categories & Winners

### Oral Presentations

**Pedagogy & Writing in Multiple Modes**
*The Mathematical Model of Writing*
Amy Brumfield

**Psychology & Health**
*Assault-Related Shame Mediates the Association Between Reactions to Social Disclosure and Psychological Distress*
Christopher DeCou, Trevor Cole, Shannon Lynch, Kathleen Matthews & Maria Wong

**History & Society**
*Bungalows and Occupation: Pocatello, 1900-1930*
Kristine Hunt

**Natural Science & Environmental Studies**
*Creating a Digital Interface for Botanical Resources*
Ashelee Rasmussen

**Narrative & Analysis**
*The Writing Cure and WWI Dream Poetry*
Kelly Ricken

**Pedagogy & Online Tools**
*The Multidimensional Instructional Efficiency of Worked Examples*
Danae Romrell

### Poster Presentations

**Pedagogy, Politics, & Praxis**
*Borrowing for the Future: Student Perceptions of Lending Commitment*
Teresa Borrenpohl

**Research Across the Sciences**
*Another Look at Visibility: Accuracy of Judging Personal Values and Personality Traits*
Jennifer McDonald, Tera Letzring

**Biological & Environmental Studies**
*65 Years of Vegetation Change in the East River Basin, CO*
Stephanie Zorio, Charles Williams, Ken Aho

**Mental, Physical, & Emotional Health**
*Asbestos-Induced Pleural Fibrosis Involves Autoantibody-Mediated Protein Tyrosine Phosphorylation Pathway*
Robert Hanson, John Gilmer & Jean Pfau
The Phantom Gas Field Project: Evidence of Physiological Responses of Sagebrush Due to Human Noise-Induced Changes in Arthropod Herbivory

Maria Pacioretty, Elizeth Cinto Mejia, Keith Reinhardt, Jesse Barber, Marie-Anne de Graff

Participate in the Scavenger Hunt for a chance to win some great prizes. Remember to share your experience with us!

#ISUGradResearch2016
<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>10:00 AM</td>
<td>De Sy, Carine</td>
<td>Narrative Analysis of a Linguistic Policy Issue: A Narrative that Shapes French-speakers in Louisiana</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Riener, Jerry</td>
<td>How the Iron Man movies embodies and celebrates the postmodern theory of late capitalism.</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Treasure, Emily</td>
<td>Defining “Home” in Modernist Literature</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Thalmann, Johanna, Kie, John, Aho, Ken, Whiting, Jericho</td>
<td>Social organization and sexual segregation in American bison</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Vineyard, Jared, Colman, Doug, Cabilan, Vanessa, Letzring, Tera</td>
<td>Affect, Personality, and Delay Discounting</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>McKinley, Heidi, DeLeon, Alexia, Avery, Dominique, Lamb, Bryan, Langellier, Kristen, Tribitt, Tami</td>
<td>Technology in Group Reflection Journals: Impact on Group Cohesiveness</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Lamb, Bryan, Langellier, Kristen, DeLeon, Alexia, Tribitt, Tamara, Avery, Dominique, McKinley, Heidi</td>
<td>A Grounded Theory Investigation into the Process of How Men Encounter Their Gender in Counselor Education</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Amy Brumfield, Smith, Diantha</td>
<td>From Passing to Professional: Easy Steps to Make a Class Project into a Publishable Work</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Welker, Jolene</td>
<td>TRiO Program Analysis</td>
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## Oral Presentation Schedule

### North Fork Room

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:00 AM</td>
<td>Gravis, Sammy</td>
<td>Public Art and it’s Benefits to a Community</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Griffith, Laura</td>
<td>George Eliot: Mary Ann Evans’s Socially Empowering Pseudonym</td>
</tr>
<tr>
<td>10:45 AM</td>
<td>Poitevin, Amanda</td>
<td>Rethinking the ‘Indian Arts Museum’: The Evolution of the David T. Vernon Collection of American Indian Artifacts</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Mayer, Rachael, Eslami, Tirazheh, Merkley, Rebecca, Thompson, Dustin</td>
<td>The Meeting of Gender, Culture, and Media in Studio Practice</td>
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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30 AM</td>
<td>Benzing, Barry</td>
<td>Acute cholecystitis secondary to cholelithiasis</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Poudel, Deepesh, Guilmette, RA, Brey, RR</td>
<td>Biokinetics of plutonium in adult nonhuman primates</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Hulse, Cortney, Stull, Kyra</td>
<td>Quantifying and Visualizing Thoracic Skeletal Trauma</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Stephenson, M. Colleen, Gurenlian, JoAnn R., Bowen, Denise M.</td>
<td>Idaho Adults’ Perceptions of Oral Cancer Screening</td>
</tr>
</tbody>
</table>
### Oral Presentation Schedule

**South Fork Room**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>10:00 AM</td>
<td>Worthington, Hayli Vicic, Andrea</td>
<td>A Look at the Current European Crisis: Refugees in Transit</td>
</tr>
<tr>
<td>10:15 AM</td>
<td>Lange, Jamie</td>
<td>Understanding trauma: Transcending Gender Through the Lens of the PTSD Diagnosis</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>DeCou, Christopher Lynch, Shannon DeHart, Dana Belknap, Joanne</td>
<td>Evaluating the association between childhood sexual abuse and attempted suicide across the lifespan: Findings from a nationwide study of women in jail</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Alqurashi, Abeer R.</td>
<td>Female genital mutilation among Saudi women enrolled at ISU and IEI</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Daniels, Maxwell</td>
<td>Design and Implementation of the Modern Control Console for the Idaho State University AGN-201 Nuclear Reactor</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Shapovalov, Roman Spielman, Rick</td>
<td>A novel compact &amp; portable x-pincha* radiation source generator (200-ka, 200-ns) at the Idaho Accelerator Center: Recent shots and discussion</td>
</tr>
<tr>
<td>12:00 PM</td>
<td>Nicholson, Bryan</td>
<td>Atmospheric impacts on plume stability</td>
</tr>
<tr>
<td>12:15 PM</td>
<td>Deemyad, Taher Perez-Gracia, Alba</td>
<td>A Coupled Actuation for a Pick-and-Place Multi-Fingered Robotic Hand</td>
</tr>
<tr>
<td>12:30 PM</td>
<td>Fisher, Meghan A. Nawotniak, Shannon E. K.</td>
<td>3D Flow Fields of Stereo Captured Laboratory Analogue Volcanic Plumes</td>
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**New Paradigms in Science & Engineering**

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<td>3D Flow Fields of Stereo Captured Laboratory Analogue Volcanic Plumes</td>
</tr>
</tbody>
</table>
# POSTER PRESENTATION SCHEDULE

All Poster Presentations will be held in the Ballroom  
Times listed below represents the times presenters will be available

## Adversity & Resilience - 11:00 AM - 12:30 PM

<table>
<thead>
<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Lange, Jamie</td>
<td>Understanding Trauma: Transcending Gender Through the Lens of the PTSD Diagnosis</td>
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<tr>
<td>Worthington, Hayli</td>
<td>Violence Against Women: Perspectives Based on Age, Country of Origin, Socioeconomic Status, Marital Status, and Years of Education</td>
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<tr>
<td>Worthington, Hayli</td>
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<tr>
<td>Vicic, Andrea</td>
<td>A Look at the Current European Crisis: Refugees in Transit</td>
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## Complex Social & Behavioral Systems - 10:30 AM - 12:00 PM

<table>
<thead>
<tr>
<th>Presenter</th>
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<tbody>
<tr>
<td>Holcomb, Brittney</td>
<td>Validity and Reliability of a Brief Measure of Impulsive Sexual Choice</td>
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<tr>
<td>Smith, Kathleen</td>
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<td>Lawyer, Steven</td>
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<tr>
<td>Korell, Alyssa</td>
<td>Working memory, anxiety, and intrusive worry following a worry analogue dual span task</td>
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<tr>
<td>Cover, Rachel</td>
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<td>Turley-Ames, Kandi</td>
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<tr>
<td>Lachance, Kathryn</td>
<td>Sleep Difficulties and Risk for Internalizing and Externalizing Behaviors</td>
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<td>Wong, Maria</td>
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<tr>
<td>Colman, Douglas</td>
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<tr>
<td>McDonald, Jennifer</td>
<td>Visibility and its Relation to Assumed Similarity of Personal Values</td>
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<tr>
<td>Letzring, Tera</td>
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<tr>
<td>Colman, Douglas</td>
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<td>Krzyzaniak, Sheherezadee</td>
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<tr>
<td>Pacioretty, Maria</td>
<td>Living in the Phantom Gas Field: Physiological Responses of Sagebrush to Human Noise-Induced Changes in Arthropod Herbivory</td>
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<td>Cinto Mejia, Elizeth</td>
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<td>Barber, Jesse</td>
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<td>de Graaff, Marie-Anne</td>
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<tr>
<td>Reinhardt, Keith</td>
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<tr>
<td>Rodriguez, Luis R.;</td>
<td>Measurement and Validation of Measures for Risky and Delayed Food and Monetary Choices</td>
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<tr>
<td>Hendrickson, Kelsie L.</td>
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<td>Rasmussen, Erin B.</td>
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<td>Rose, Rebecca</td>
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<td>Time Block</td>
<td>Event</td>
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<tr>
<td>Culture &amp; Policy- 11:00 AM -12:30 PM</td>
<td>History Goes Viral: Mapping the Spanish Flu in 1918</td>
</tr>
<tr>
<td>Medicine in Early American Almanacs: Expertise and the Everyman</td>
<td>Hunt, Kristine</td>
</tr>
<tr>
<td>Social Determinants and Health-Related Quality for Rural Elderly Life</td>
<td>Findlay, Allison Nies, Mary</td>
</tr>
<tr>
<td>Innovations in Health Systems &amp; Technology- 10:00 AM- 11:30 AM</td>
<td>An Interdisciplinary Approach to Treating Deafness-Dystonia Optic Neuropathy</td>
</tr>
<tr>
<td>Reflexive or Volitional Eye Opening During Sensory Organization Testing</td>
<td>Burns, Matea Cheadle, Nancy Brockett, Jeff Ralphs, James</td>
</tr>
<tr>
<td>Idaho Adults’ Perceptions of Oral Cancer Screening</td>
<td>Stephenson, M. Colleen Gurenlian, JoAnn R. Bowen, Denise M.</td>
</tr>
<tr>
<td>An Evaluation of a School-Based Dental Sealant Program</td>
<td>Williams, Rachelle Rogo, Ellen Gurenlian, JoAnn Phelps, Paula</td>
</tr>
<tr>
<td>Development of Locomotor and Posture Behavior in Immature Rats: A Comparison of Sensory-Enriched Environment versus Sensory-Deprived Environment</td>
<td>Swann, Hillary E. Brumley, Michele R.</td>
</tr>
<tr>
<td>Increasing HPV vaccine uptake through provider and nursing education: A quality improvement program</td>
<td>Walsh, Andrea</td>
</tr>
<tr>
<td>Phonetic Transcription in Vocal Development: When is Reliability Achieved?</td>
<td>Schroeder, Kayla Ramsdell-Hudock, Heather Clarke, Leslie</td>
</tr>
</tbody>
</table>
## New Paradigms in Science & Engineering - 10:00 AM - 11:30 AM

<table>
<thead>
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<th>Authors</th>
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<tbody>
<tr>
<td>Deemyad, Taher Perez-Gracia, Alba</td>
<td>A Coupled Actuation for a Pick-and-Place Multi-Fingered Robotic Hand</td>
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<td>Fisher, Meghan A. Nawotniak, Shannon E. K.</td>
<td>3D Flow Fields of Stereo Captured Laboratory Analogue Volcanic Plumes</td>
</tr>
<tr>
<td>Lochridge, William McCurry, Michael Goldsby, Ryan</td>
<td>Constrained the petrogenesis of the Quaternary topaz rhyolite lava domes of the Blackfoot volcanic field, southeast Idaho</td>
</tr>
<tr>
<td>Sharma, Harmandeep Reinhardt, Keith Lohse, Kathleen</td>
<td>Diurnal and seasonal variation in sap flow in sagebrush communities spanning rain- to snow- dominated elevational zones</td>
</tr>
</tbody>
</table>

## Psychosomatic & Societal Dynamics 11:00 AM - 12:30 PM

<table>
<thead>
<tr>
<th>Authors</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Craun, Elizabeth Kaplan, Stephanie Williams, Catherine Westerhaus, Kendra Wong, Maria</td>
<td>Executive Functioning Moderates The Association Between Parent-Child Relationship and Alcohol Use</td>
</tr>
<tr>
<td>Higgins, Heidi J. Wong, Maria M. Lachance, Kathryn</td>
<td>The effects of sleep problems on externalizing and internal behaviors</td>
</tr>
<tr>
<td>Williams, Catherine Craun, Liz Jesser, Marissa Wong, Maria</td>
<td>Parents' Anxiety Indirectly Predicts Children's Executive Functioning</td>
</tr>
<tr>
<td>Brown, Rebecca Gibbs, Jason Baumgartner, Sally Johnson, Cody Miller, Lori Staley, Cameron</td>
<td>Biofeedback as a treatment modality in clinical mental health counseling.</td>
</tr>
<tr>
<td>Jones, Lillian Nies, Mary</td>
<td>A Nursing Intervention to Decrease the Risk of Depression in Rural Community Living Older Adults</td>
</tr>
<tr>
<td>Supporting Student Success Across Diverse Context - 10:00 AM-11:30 AM</td>
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<tr>
<td><strong>Miner, Mallory</strong></td>
<td>Supporting Retention of Students in Practice Doctorate Programs</td>
</tr>
<tr>
<td><strong>Alhramelah, Ali</strong></td>
<td>What Tools Enhance Student-Student Interaction in Online Environments</td>
</tr>
<tr>
<td><strong>Brumfield, Amy</strong></td>
<td>From Passing to Professional: Easy Steps to Make a Class Project into a Publishable Work</td>
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<td><strong>Smith, Diantha</strong></td>
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<td><strong>Sherwood, Sabrina</strong></td>
<td>Description of a Student Pharmacist-Led Patient Assistance Program</td>
</tr>
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<td><strong>Lystrup, Alex</strong></td>
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<td><strong>Nickerson, Cheyene</strong></td>
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<td><strong>Buffington, Jeffrey</strong></td>
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<tr>
<td><strong>Smith, Diantha</strong></td>
<td>Engaging and Empowering Diverse Learners through Visual and Digital Tools</td>
</tr>
<tr>
<td><strong>Welker, Jolene</strong></td>
<td>TRiO Program Analysis</td>
</tr>
</tbody>
</table>
CREATIVE WORKS DISPLAY

Ballroom

Chong, Cordelia  Virtual "Evolving Idaho" Exhibit
Gravis, Sammy   Public Art and it's Benefits to a Community

Hey Graduate Students!

Are you interested in joining the Graduate Student Association or becoming an officer for the GSA in the 2016-2017 AY? Want to find out more about future GSA events?

Then check out isugsa.com or ask one of our current officers for more information.

Christopher DeCou (President)
Amy Brumfield (Vice President)
Hillary Swann (Secretary)
Rick Richardson (Treasurer)
ABSTRACTS

(Included are multiple programs for interdisciplinary projects)

COLLEGE OF ARTS AND LETTERS

ANTHROPOLOGY

Hulse, Cortney; Stull, Kyra
Category: Innovation & Health Systems in Technology
Classification: Masters of Science
Poster # 00
Quantifying and Visualizing Thoracic Skeletal Trauma

Trauma analysis of the thoracic skeleton is rarely attempted in biological anthropology due to the multiple, interdependent variables that influence the pattern of fracture and make interpretation difficult. The two major causes for the nebulous fracture patterns associated with thoracic trauma are 1) the articulation of numerous bones that creates a complex and integrated system and 2) the morphological variation of each rib. The goal of this project is to quantify rib fractures using advanced imaging techniques and robust statistical analyses. Ultimately, the research will provide scientific validity to the interpretation of rib fractures in a medico-legal setting.

ART

Gravis, Sammy
Category: Culture & Policy, Creative Arts
Classification: Masters of Science
Poster # 00
Public Art and its Benefits to a Community

My research is being done on Public Art Ordinances and their benefits to society. In the presentation I will show how public art has enhanced life for communities. I will also talk about how these spaces can create safe environments for discussion, gathering and growth for the community.

Mayer, Rachael; Eslami, Tirazeh; Merkley, Rebecca; Thompson, Dustin
Category: Culture & Policy
Classification: Masters of Fine Arts (All students)
Poster # 00
The Meeting of Gender, Culture, and Media in Studio Practice

Art exists at the apex of culture, gender, and media. Tirazeh Eslami, Dustin Thompson, Rebecca Merkley, and Rachael Mayer will be discussing their current work and studio research in the forms of artist talks and panel discussion. Drawing from their experiences as working artists in the Idaho State University community, each artist pulls on their own unique identities within studio practice and research. Spanning from...
addressing issues such as gender representation culturally and historically to the narrow confines of societally-prescribed identity, the panel will discuss current areas of research and the art created that directly challenges these commonly held rhetorics.

**ENGLISH**

**Brumfield, Amy; Smith, Diantha**  
**Category:** Supporting Student Success across Diverse Context  
**Classification:** Doctor of Philosophy (All students)  
**Poster #** 03  
**From Passing to Professional: Easy Steps to Make a Class Project into a Publishable Work**

There is one big difference between someone who is intellectually curious and someone who is a scholar: publication. We are only scholars if we publish our work and share it with other people. Often, great ideas remain unpublished, trapped in graduate projects because they would take such significant rewriting to make them suitable for the right journal. Graduate students barely have time for the first writing; almost no one has time to write the same paper twice. This presentation will provide easy ways to take common assignment types like an annotated bibliography and use them to their best, most publishable advantage.

**Griffith, Laura**  
**Category:** Culture & Policy  
**Classification:** Masters of Arts  
**Poster #** 00  
**George Eliot: Mary Ann Evans’s Socially Empowering Pseudonym**

My paper examines Mary Ann Evans’s use of the male pseudonym “George Eliot” and its significance for her later novels, exemplified by Middlemarch. If the purpose of a male pseudonym is to protect the female author from those who would disparage her work because of her gender, why would Evans continue to write as Eliot even when her real identity is known?

**Smith, Diantha**  
**Category:** Supporting Student Success across Diverse Context  
**Classification:** Doctor of Philosophy  
**Poster #** 36  
**Engaging and Empowering Diverse Learners through Visual and Digital Tools**

Many years ago, composition pedagogy made an important shift from product to process, and today, new technologies are driving an equally important shift from consuming to producing. This shift from consuming to producing means that rather than just summarizing, analyzing, or critiquing texts that others have written, students are actively producing their own texts for a variety of audiences and purposes (George, 2002). The shift towards production is often linked to technology because many of the
texts today’s diverse learners create involve multiple modes (i.e. writing, audio recordings, graphics, videos, etc.). However, production doesn’t necessarily have to include the flashiest new technology, nor does it always have to happen after students do more traditional writing activities. In short, while it is important to look for ways to include production (and not just consumption) of texts, it is equally important to question some of the limits (especially concerning what and when to create) that may inhibit composition teachers’ ability to fully capitalize on the important shift towards production. This poster presentation describes how writing teachers can use both traditional and digital technologies to engage and empower diverse learners who produce, and not just consume, powerful 21st century communication.

**Treasure, Emily**  
**Category:** Complex Social & Behavioral Systems  
**Classification:** Doctor of Philosophy  
**Poster # 00**  
**Defining “Home” in Modernist Literature**

In this presentation, I will use two forgotten novels published near 1920, Edna Ferber’s *Roast Beef, Medium* and Dorothy Canfield’s *The Homemaker* to show the transition in definitions of American homes after the rise of mass production, consumerism, transportation, and civil rights (such as the amendment that gave women the right to vote in 1920). Many of the questions raised by Ferber and Canfield about what a “home” really is remain unanswered or hotly debated even nearly 100 years later. Even though some of their ideas seem extreme for the 1920s and tame for the 21st century, others have remained constant: the need for a physical dwelling that provides shelter and comfort to individuals, and especially children, whether ownership is essential in a home as well as what goods a home should contain, and the need to share or assign responsibilities like housework, child-raising, and making a living. The topic of defining “home” is of interest to many disciplines, and this basically literary study intersects with basic concerns for those studying business and marketing, long-term health care, history, sociology, or law. Popular in their own day, Ferber’s very successful traveling petticoat saleswoman Emma McChesney, a divorced mother, and Canfield’s Knapp family, who have to rearrange family responsibilities after the husband suffers a bad accident, can teach us a lot about how much of our definitions of “home” are culturally prescribed, which pieces we take for granted, and which factors we can control. Then, as we re-create our homes in the 21st century, we’ll know where we’ve been and where we have yet to go.
Donnelly, Jessica  
**Category:** Culture & Policy  
**Classification:** Masters of Arts  
**Poster #** 19  
**History Goes Viral: Mapping the Spanish Flu in 1918**  
The Spanish flu outbreak killed millions more than World War I and caused the overall life expectancy to drop by 10 years in the United States. Thus, the spread of this disease from military camps had a profound impact on U.S. society. In order to understand the statistics presented by the Vital Statistics Mortality Report of 1918, I used digital mapping to visualize the outbreak of Spanish Flu in 20 U.S. cities from January 1918 to December 1918. This geographical timeline of the influenza outbreak allows a deeper understanding of the impact of influenza on the United States. Analysis of the Spanish flu, one of the most significant pandemics in world history, can help us better address global concerns infectious disease pandemics today.

Hunt, Kristine  
**Category:** Culture & Policy  
**Classification:** Masters of Arts  
**Poster #** 35  
**Medicine in Early American Almanacs: Expertise and the Everyman**  
Colonial and early Republic American almanacs demonstrate eighteenth-century attitudes toward medicine and illness. In particular they reveal the power of the average person to remediate illness as a consumer and producer of medicine.

Poitevin, Amanda  
**Category:** Culture & Policy  
**Classification:** Masters of Arts  
**Poster #** 00  
**Rethinking the ‘Indian Arts Museum’: The Evolution of the David T. Vernon Collection of American Indian Artifacts**  
Combining museum studies, American Indian history, Western history, and the history of the National Park Service, I will present select findings from my thesis to illuminate how the Indian Arts Museum in Grand Teton National Park was a part of the trend of the late nineteenth and early twentieth century to preserve what was seen as the “fading frontier” and romanticize the history of the American West. In this presentation, I will outline the history of the David T. Vernon Collection, which Vernon collected between approximately the 1920s and the 1950s from more than 100 tribes in the United States. In 1965, Vernon sold the entire collection to Laurance S. Rockefeller through the Jackson Hole Preserve, Inc., and after being housed, curated, and culled at the Museum of the American Indian in New York City (now the National Museum of the American Indian, administered by the Smithsonian Institution), Rockefeller loaned the collection...
to the National Park Service in 1968. In 1972, with support from Rockefeller, Grand Teton National Park opened the Indian Arts Museum at Colter Bay. This presentation will emphasize the origins and material culture of some of the artifacts, Vernon’s collecting practices, the involvement of Laurance S. Rockefeller and the Jackson Hole Preserve, Inc., the decisions at the Museum of the American Indian, and the management practices of the National Park Service. Additionally, I will explain the phases of the Indian Arts Museum in Grand Teton National Park and show how each phase was or was not impacted by outside movements such as the American Indian Movement. Finally, I will link the David T. Vernon Collection and its place within Grand Teton National Park to the broader history of colonialism and exploitation of American Indian culture in the United States.

POLITICAL SCIENCE

Alqurashi, Abeer R.

Category: Adversity & Resilience
Classification: Doctor of Arts
Poster # 00

Female genital mutilation among Saudi women enrolled at ISU and IEI

Female circumcision has been documented as cultural issue that has spread in many countries in the world, especially in Africa and the Middle East. This study will examine the social construction of the Saudi females’ community in Pocatello, Idaho who are engaged in FGM/C, and understand the reasons behind this custom. To better understand the social construction of the families who are practicing this custom, the researcher will apply some theories, such as Social construction theory (SCT) and Social Cognitive theory (SCT). Furthermore, the study seeks to find if there are any policies in medical services in southeast Idaho to protect babies from getting circumcised traditionally by their families, whether from immigrants or international students in the US. In addition, this study will also create a health education program for students who are enrolled at ISU and IEI as well as raise awareness for health professionals who may have patients with FGM/C.

De Sy, Carine

Category: Complex Social & Behavioral Systems
Classification: Doctor of Arts
Poster # 00

Narrative Analysis of a Linguistic Policy Issue: A Narrative that Shapes French-speakers in Louisiana

This research project focuses on the existence or absence of language laws to protect the linguistic minority of French-speakers in Louisiana. The author tries to answer the following two research questions: "Are French-speakers treated differently than English-speakers in Louisiana?" and "Are Cajun-French-speakers treated differently than Creole-French-speakers in Louisiana?"
Executive Functioning Moderates The Association Between Parent-Child Relationship and Alcohol Use

Alcohol use increases in emerging adulthood (i.e., 18-25 years). This may be due to the fact that emerging adults often live outside the home, away from their parents’ supervision, allowing for an increase in risky behavior. Closeness in a parent-child relationship may mitigate this risky behavior. Indeed, previous research reported that closeness of the parent-child relationship is protective against alcohol use (Petraitis et al., 1995). A risk factor for alcohol use is executive functioning (EF) ability (Wong et al., 2010), where deficits in the flexibility of behavior, inhibition of responses, and planning for the future is associated with increased alcohol use. The purpose of this study is to assess how EF ability moderates the relationship between executive functioning parent-child closeness (PCC) and alcohol use in a population of emerging adults.

Evaluating the association between childhood sexual abuse and attempted suicide across the lifespan: Findings from a nationwide study of women in jail

Previous studies have found childhood sexual abuse to predict suicidal behavior in adulthood. This study examined the association between childhood sexual abuse and the onset of attempted suicide across the lifespan in a nationwide sample of women in jail (N = 115).

The effects of sleep problems on externalizing and internal behaviors

This study investigated the relationship between sleep problems and internalizing/externalizing behaviors in children. Specifically, we examined whether sleep problems and parental alcoholism were associated with internalizing and externalizing behavior in school-aged children.
Holcomb, Brittney; Smith, Kathleen; Lawyer, Steven
Category: Complex social & behavioral systems
Classification: Masters of Science and Doctor of Philosophy students
Poster # 04
Validity and Reliability of a Brief Measure of Impulsive Sexual Choice

Impulsive choice can be measured through a behavioral procedure called delay discounting, which is the devaluing of a reward based upon delay to its receipt. Steep patterns of delay discounting are associated with a range of health problem behaviors. Recent research from our lab suggests that patterns of delay discounting for sexual activity are differentially associated with sexual outcomes (as compared to non-sexual outcomes; Lawyer & Schoepflin, 2013). The most common delay discounting task uses a titration procedure to establish patterns of impulsive choice by asking dozens of questions about an individual’s preference for smaller-sooner rewards over larger-delayed rewards. However, Kirby and Marakovic (1996) developed the Monetary Choice Questionnaire (MCQ), a brief nine-question pencil-and-paper measure that estimates discounting patterns for monetary outcomes. The Sexual Choice Questionnaire (SCQ), created for this study, estimates discounting for sexual activity using a similar format as the MCQ. The purpose of this study is to establish the internal consistency and validity of the SCQ.

Korell, Alyssa; Cover, Rachel; Turley-Ames, Kandi
Category: Complex social & behavioral systems
Classification: Bachelors of Science, Masters of Arts and Doctor of Philosophy
Poster # 11
Working memory, anxiety, and intrusive worry following a worry analogue dual span task

Few studies have focused on the relationship between individual differences in working memory, anxiety, and worry. Working memory (WM) is an executive function that reflects the ability to process and maintain goal-relevant information in an active state. Worry is the cognitive component of anxiety, typically experienced as verbal in nature and attention-demanding. The current study examines worry as it relates to WM, and more specifically assesses individual differences in WM and the number of worry intrusions during a focused breathing task.

Lachance, Kathryn; Wong, Maria; Colman, Douglas
Category: Complex social & behavioral systems
Classification: Bachelors of Science, Doctor of Philosophy and Masters of Business Administration
Poster # 18
Sleep Difficulties and Risk for Internalizing and Externalizing Behaviors

The current study examined internalizing/externalizing behaviors in relation to sleep related problems. It was predicted that youth with difficulty sleeping would present...
with more internalizing and externalizing problems compared to those with fewer sleep related difficulties.

**McDonald, Jennifer, Letzring, Tera, Colman, Douglas, Krzyzaniak, Scheherazade**

**Category:** Complex social & behavioral systems  
**Classification:** Doctor of Philosophy  
**Poster #** 25  
**Visibility and its Relation to Assumed Similarity of Personal Values**

Previous research suggests that when judging others on less visible personality traits, people perceive others to be more like themselves on those traits (i.e., they assume similarity). This relationship has not been examined for values. It was expected that similarly to traits, visibility would have a negative relationship with assumed similarity of values.

**Rodriguez, Luis R.; Hendrickson, Kelsie L.; Rasmussen, Erin B.; Rose, Rebecca**

**Category:** Complex social & behavioral systems  
**Classification:** Bachelors of Science and Doctor of Philosophy students  
**Poster #** 37  
**Measurement and Validation of Measures for Risky and Delayed Food and Monetary Choices**

Probability discounting (PD) is an objective measure of risk aversion in which individuals choose between smaller, certain outcomes and larger, less probabilistic ones. The purpose of the present study was to create and validate a quick alternative measure of probability discounting for food outcomes called the Probability Food Choice Questionnaire (PFCQ), and to validate a measure of PD for monetary outcomes used in previous research.

**Swann, Hillary E.; Brumley, Michele R.**

**Category:** Innovations in Health Systems & Technology  
**Classification:** Doctor of Philosophy  
**Poster #** 38  
**Development of Locomotor and Posture Behavior in Immature Rats: A Comparison of Sensory-Enriched Environment versus Sensory-Deprived Environment**

Locomotion is a behavior that all healthy animals show, involving. It involves coordination between motor, sensory, neurotransmitter, and other physiological systems. Rats serve as an excellent model system to investigate the development and mechanisms of locomotion. Nearly every research article that has examined the development of locomotion in rats, or how this trajectory may be affected by experimental manipulations, bases their time points of the emergence of locomotion on a study conducted over 30 years ago by Altman and Sudarshan (1975). In that study, rats were examined in what may be characterized as a sensory-deprived situation. The aim of the
current study is to provide updated normative data on rat locomotor and posture development in a sensory-enriched and sensory-deprived environment.

**Vineyard, Jared; Colman, Doug; Cabilan, Vanessa; Letzring, Tera**  
**Category:** Complex Social & Behavioral Systems  
**Classification:** Doctor of Philosophy (All students)  
**Poster # 00**  
**Affect, Personality, and Delay Discounting**

Delay discounting is the process by which the value of an expected reward decreases as the temporal delay to receiving the reward increases. Delay discounting rates have been associated with important behaviors including substance use, gambling, and food consumption. Research suggests personality traits and affect can influence discounting rates. The current study explored influence of personality dimensions, changes in affect, and their interactions on delay discounting.

**Williams, Catherine, Craun, Liz, Jesser, Marissa, Wong, Maria**  
**Category:** Psychosomatic & Societal Dynamics  
**Classification:** Doctor of Philosophy (All students)  
**Poster # 31**  
**Parents' Anxiety Indirectly Predicts Children's Executive Functioning**

Anxiety and perseverative worry can have adverse effects on certain aspects of executive functioning and broader cognitive processes, particularly those that are related to attention. Research suggests that rates of perseverative worry are higher between children and their parents than between two unrelated adults or two unrelated children. The current study proposes to evaluate the indirect influence of a parent’s anxiety and worry on a child’s executive functioning through levels of anxiety and worry in the child.

**COLLEGE OF BUSINESS**

**BUSINESS ADMINISTRATION**

**Worthington, Hayli; Vicic, Andrea**  
**Category:** Adversity & Resilience  
**Classification:** Masters of Public Administration and Masters of Business Administration  
**Poster # 08**  
**A Look at the Current European Crisis: Refugees in Transit**

Understanding the dispersal and value of resources among refugees through NGOs during crisis
What Tools Enhance Student-Student Interaction in Online Environments

The importance of designing online courses is to create an environment, in which learners could get more convenient and easier access to the educational process. The Department of Education’s Integrated Postsecondary Education Data System (IPEDS) reported a recent survey indicating that in the fall of 2012, there was 26.5% community college students enrolled in at least one distance education course (Lokken, & Mullins, 2014). In addition, 25.3% of undergraduates’ students enrolled in at least one online course (Lokken, & Mullins, 2014). These results provided efficient evidence concerning the continued growth of online learning, and indicated the increased demand for online learning is a reality in many institutions. However, there are various challenges facing the instructional designers and online instructors, while designing online courses. One of these challenges is how to increase learners’ interaction in online courses? With this point in mind, Vygotsky (1896 -1934) stated that learning is a social activity, where learning occurs through the interaction among people in a given environment. It is obvious from the perspective of Vygotsky’s theory, social interactions are critical, where knowledge is constructed between two or more participants (Schunk, 2012). Vygotsky’s perspective clarified that interaction with other people in a learning setting can lead to development progression, and enhance cognitive growth in learners (Schunk, 2012). It seems the social presence is considered as a prerequisite of interaction, and a high level of a social presence in the learning environment will lead to high level of interaction among learners (Zingaro & Oztok, 2012). Therefore, this poster aims to explore tools enhance student-student interaction in online environments, whether synchronous or asynchronous learning environments. This poster explores some tools for each online environment and provides some features of these tools that may assist students to increase their interactions in online environment.

How the Iron Man movies embodies and celebrates the postmodern theory of late capitalism.

The postmodern theory of late capitalism by Fredric Jameson, has shown how our capitalistic society has evolved from an economic model to a model in which all cultural production has become commodified. This study takes an in-depth look into the world of Iron Man and shows how the components of late capitalism are not only displayed but also celebrated within the movies.
Welker, Jolene
Category: Supporting Student Success across Diverse Context
Classification: Masters of Organizational Learning and Planning
Poster # 09
TRiO Program Analysis

Currently, the TRiO Educational Talent Search (ETS) program at Idaho State University falls short of meeting two grant objectives: 1) percentage of students completing rigorous programs, and 2) number of seniors enrolling in a college or university after high school. This report provides information about human performance technology (HPT) and how it has been used to analyze the Idaho State University (ISU) Educational Talent Search (ETS) program. Before beginning the analysis of ETS, an exploration of literature streams involving accountability, college readiness, evaluation, and mentoring was undertaken. With this literature as a foundation, it was determined that the performance gaps identified contribute to both a lack of knowledge as well as inconsistency of services.

SCHOOL PSYCHOLOGY & EDUCATIONAL LEADERSHIP

Burns, Matea; Cheadle, Nancy; Brockett, Jeff; Ralphs, James
Category: Innovations in Health Systems & Technology
Classification: Bachelors of Science, Doctor of Audiology, Doctor of Education and Doctor of Physical Therapy
Poster # 13
Reflexive or Volitional Eye Opening During Sensory Organization Testing

Computerized Dynamic Posturography, specifically Sensory Organization Testing (SOT) has been found to be useful in exploring how patients manage their sensory inputs for balance. Two of the conditions require the patient to close their eyes. Often, because of fear, anxiety, or other reasons, patients briefly open their eyes during the testing process. When this occurs, it can significantly affect test outcome, interpretation, and ultimately their plan of care. The purpose of this study is to determine how often patients reflexively or volitionally open their eyes under conditions where they have been asked to keep their eyes closed. The results of this research will inform clinicians of the importance for monitoring patients for adherence to testing instructions and could potentially indicate the need for an alternative way of denying vision in these two subtests.
Chong, Cordelia  
**Category:** Creative Works  
**Classification:** Doctor of Arts  
**Poster #** 00  
**Virtual "Evolving Idaho" Exhibit**

Increasing numbers of museums are entering the digital learning environment. This method of delivering the museum’s content presents challenges for museums with smaller budgets and limited expertise. Thus, practical approaches for developing digital educational tools are likely in great demand.

Pacioretty, Maria; Cinto Mejia, Elizeth; Barber, Jesse; de Graaff, Marie-Anne; Reinhardt, Keith  
**Category:** Complex social & behavioral systems  
**Classification:** Masters of Science  
**Poster #** 33  
**Living in the Phantom Gas Field: Physiological Responses of Sagebrush to Human Noise-Induced Changes in Arthropod Herbivory**

Changes in ecosystem soundscape from human noise disturbance have been shown to dramatically alter avian and chiropteran community assemblages, foraging behavior, and reproductive success. Little is known about how these changes in insectivorous predators can affect plant physiology and morphology of the surrounding community, via changes in arthropod abundance and damage to plants.

Sharma, Harmandeep; Reinhardt, Keith; Lohse, Kathleen  
**Category:** New Paradigms in Science & Engineering  
**Classification:** Doctor of Philosophy  
**Diurnal and seasonal variation in sap flow in sagebrush communities spanning rain- to snow- dominated elevational zones**

Sagebrush is a widespread and locally dominated shrub across much of western North America, occupying >66 million ha. Sagebrush steppe provides many important ecosystem services including water storage, carbon (C) storage, and providing critical habitat for several threatened and endangered animal species. Sagebrush landscapes reduction have been reported due to large scale fires and encroachment of cheat grass and juniper, which will influence important ecological processes i.e. the C and hydrological cycle in water-limited regions. But, these changes are hard to predict due to lack of vital information on plant water use in sagebrush. Studies have been conducted to analyze the water budget in sagebrush ecosystems using eddy covariance towers at
ecosystem scales, but missing plant water use data at shrub level to predict influence of sagebrush replacement with cheat grass or Juniper on ecohydrology.

Thalmann, Johanna; Bowyer, R. Terry; Kie, John; Aho, Ken; Whiting, Jericho
Category: Complex Social & Behavioral Systems
Classification: Masters of Science
Poster # 00
Social organization and sexual segregation in American bison

Sexual segregations occurs commonly in sexually dimorphic ruminants. Factors underpinning this phenomenon, however, continue to be debated. We conducted research on spatial and social organization of American bison (Bison bison) on Antelope Island State Park, Utah, USA, to provide further insights into causes of sexual segregation. We focused our analyses on the two leading hypotheses associated with ecological segregation—the gastrocentric and predation hypotheses—but we also examined aspects of the social factors and activity budget hypotheses.

MECHANICAL ENGINEERING

Deemyad, Taher; Perez-Gracia, Alba
Category: New Paradigms in Science & Engineering
Classification: Masters of Science
Poster # 10
A Coupled Actuation for a Pick-and-Place Multi-Fingered Robotic Hand

Five-fingered, wristed robotic hands with one revolute joint for each finger can be designed for simple pick-and-place tasks using kinematic synthesis techniques. The resulting candidate designs will have two specified positions, grasp and release. This work deals with the implementation of these designs with minimal actuation.

NUCLEAR SCIENCE & ENGINEERING

Daniels, Maxwell
Category: New Paradigms in Science & Engineering
Classification: Masters of Science
Poster # 00
Design and Implementation of the Modern Control Console for the Idaho State University AGN-201 Nuclear Reactor

The AGN-201m is a Nuclear Regulatory Commission (NRC) licensed training reactor that can operate up to a power of 6 watts. This reactor was built by Aerojet General Nucleonics in the 1950’s. While a great deal has been achieved with this reactor the original console is still in use at Idaho State University (ISU). Maintaining this technology and acquiring replacement parts has become increasingly difficult. A new
solid-state reactor control console is being constructed to exceed the original consoles signal processing capacity while satisfying technical specifications, original safety features, and license requirements.

**Poudel, Deepesh; Guilmette, RA; Brey, RR**
**Category:** Innovation & Health Systems in Technology
**Classification:** Doctor of Philosophy
**Poster #** 00

**Biokinetics of plutonium in adult nonhuman primates**

A major source of data on metabolism, excretion and retention of plutonium comes from experimental animal studies. Although old world monkeys are one of the closest living relatives to human, certain physiological differences do exist in between these nonhuman primates and humans. The objective of this paper was to describe the metabolism of plutonium in nonhuman primates using the bioassay and retention data obtained from the macaques injected with plutonium citrate.

**GEOSCIENCES**

**Fisher, Meghan A., Nawotniak, Shannon E. K.**
**Category:** New Paradigms in Science & Engineering
**Classification:** Doctor of Philosophy
**Poster #** 02

**3D Flow Fields of Stereo Captured Laboratory Analogue Volcanic Plumes**

Due to the hazards associated, explosive volcanic plumes cannot be directly sampled. One approach to studying the mixing processes of volcanic plumes is through analogue laboratory tank experiments. I am able to capture 2D optical flow fields by processing video using a modified version of FlowJ, a plugin for ImageJ image processing toolbox. It determines the optical flow by tracking the change in pixel position between frames. However, optical flow fields only show the apparent 2D velocity, not the true 3D flow. Therefore, I have developed a method to capture these experimental plumes in three dimensions, using stereo imaging.

**Lochridge, William; McCurry, Michael; Goldsby, Ryan**
**Category:** New Paradigms in Science & Engineering
**Classification:** Masters of Science
**Poster #** 26

**Constraining the Petrogenesis of the Quaternary Topaz Rhyolite Lava Domes of the Blackfoot Volcanic Field, Southeast Idaho**

The Quaternary topaz rhyolite lava domes of the bimodal, basalt-dominated Blackfoot lava field (BLF), SE Idaho occur in three clusters. We refer to these as the China Hat Dome Field (southernmost; ~ 57 ka), and the Sheep Island and White Mountain Dome Fields. The rhyolites and more voluminous basalt lavas closely resemble coeval
Quaternary rocks erupted to the north along the Eastern Snake River Plain segment of the Yellowstone-Snake River Plain volcanic track. However rhyolites in BLF are distinguished by having more evolved Sr- and Nd-isotopic ratios, as well as having phenocryst assemblages that includes hydrous phases (biotite and hornblende), thorite, and vapor-phase topaz. This study seeks to improve our understanding of the unique conditions of magma evolution that led to these differences.

Nicholson, Bryan  
**Category:** New Paradigms in Science & Engineering  
**Classification:** Masters of Science  
**Poster #** 00  
**Atmospheric impacts on plume stability**

Explosive volcanic eruptions almost always erupt into a wind field. This poses a challenge to hazard mitigation because wind is known to influence plume stability, specifically, whether the plume will rise buoyantly into the atmosphere or collapse, producing pyroclastic flows. The transition between stable and unstable plumes depends on eruption column characteristics, which is significantly impacted by the volcanic vent and atmospheric conditions. Because column stability can impact the types of hazard associated with a volcanic eruption, there is a need to quantify the transition between stable and unstable eruptions.

**PHYSICS**

Shapovalov, Roman; Spielman, Rick  
**Category:** New Paradigms in Science & Engineering  
**Classification:** Doctor of Philosophy  
**Poster #** 00  
**A novel compact & portable x-pin... at the Idaho Accelerator Center: recent shots and discussion**

The x-pin... radiation data will be presented and discussed.
Burns, Matea; Cheadle, Nancy; Brockett, Jeff; Ralphs, James
Category: Innovations in Health Systems & Technology
Classification: Bachelors of Science, Doctor of Audiology, Doctor of Education and Doctor of Physical Therapy
Poster #13

Reflexive or Volitional Eye Opening During Sensory Organization Testing

Computerized Dynamic Posturography, specifically Sensory Organization Testing (SOT) has been found to be useful in exploring how patients manage their sensory inputs for balance. Two of the conditions require the patient to close their eyes. Often, because of fear, anxiety, or other reasons, patients briefly open their eyes during the testing process. When this occurs, it can significantly affect test outcome, interpretation, and ultimately their plan of care. The purpose of this study is to determine how often patients reflexively or volitionally open their eyes under conditions where they have been asked to keep their eyes closed. The results of this research will inform clinicians of the importance for monitoring patients for adherence to testing instructions and could potentially indicate the need for an alternative way of denying vision in these two subtests.

Mawson, Kathleen
Category: Innovations in Health Systems & Technology
Classification: Doctor of Audiology
Poster #00

An Interdisciplinary Approach to Treating Deafness-Dystonia Optic Neuronopathy

"Two local individuals were identified and diagnosed with DDON, with genetic testing confirmation. GeneReviews dictates unknown prevalence data, though research from 2012 identified 91 individuals from 37 families (Tranebjaerg, 2013). A multi-disciplinary team has been assembled to monitor, assess, and treat our local patients. Disciplines involved include: Audiology, Medical Lab Sciences, Physical Therapy, Dietetics, Occupational Therapy, Speech-Language Pathology, Psychology, Pharmacy, Counseling, and Vocational Rehabilitation. The diversity of diagnostic characteristics and service quantity received by patients requires, intense team collaboration to conduct a focused treatment plan, essentially improving quality of life. The rare nature of DDON establishes the foundations of this case study, which involves incorporating service observations with monitoring the rehabilitation process. This will assist the researcher in analyzing findings and determine the plan specificity for each patient. If patients with DDON exhibit varied deficit severities and progression rates, an appropriate intervention model is unclear."
Biofeedback as a treatment modality in clinical mental health counseling

Counselors often take a holistic approach when working with clients as opposed to the medical model looking at symptoms. Biofeedback is a method that may be used in both such ways. The poster will examine the benefits of biofeedback and how they can be incorporated into the counseling session.

A Grounded Theory Investigation into the Process of How Men Encounter Their Gender in Counselor Education

The researchers are interviewing self-identified males about their process of encountering gender identity while training to become counselors. The interviews are structured using Charmaz’s Grounded Theory and the emerging theory will be used to inform pedagogical practices in counselor education.

Understanding trauma: Transcending Gender Through the Lens of the PTSD Diagnosis

The DSM-V's Gender Dysphoria Diagnosis is used when treating the transgender community. Yet this diagnosis is primarily focused on the physical manifestations of their experience and is insufficient for helping counselors better understand the more inherent complications they face: trauma. The PTSD lens more appropriately illuminates the chronic and complex trauma not visible in their disconnect from gender identity (internal) and they biologically sexed bodies (external).
McKinley, Heidi; DeLeon, Alexia; Avery, Dominique; Lamb, Bryan; Langellier, Kristen; Tribitt, Tami
Category: Supporting Student Success across Diverse Context
Classification: Doctor of Philosophy (All students)
Poster # 00
Technology in Group Reflection Journals: Impact on Group Cohesiveness
The implementation of technology can enhance learning by making the classroom more engaging and student-centered (Thiele, Mai, & Post, 2014). Online discussion forums have proven to foster the sharing of ideas and provide students with the opportunity for cooperation with peers (Saito and Miwa, 2007). Counseling training programs require 10 hours of group experience and common method of reflection is process journals. With emergent forms of technology in the classroom, educators have begun exploring ways to incorporate technology into the learning process (Lou, Abrami, & d’Apollonia, 2001).

DENTAL HYGIENE
Stephenson, M. Colleen; Gurenlian, JoAnn R.; Bowen, Denise M.
Category: Innovation & Health Systems in Technology
Classification: Masters of Science
Poster # 01
Idaho Adults’ Perceptions of Oral Cancer Screening
The increasing prevalence of oral cancer and the significant escalation in mortality rates resulting from later detection of oral cancer emphasize the importance of early detection. Due to the benefits of early detection, clinical guidelines recommend routine visual and tactile examinations by oral health professionals despite documented limitations. Conversely, guidelines from the USPSTF cite insufficient evidence to recommend for or against screening in a primary care setting. USPSTF guidelines are not intended to apply to the dental setting; however, the public may not recognize the distinction and may not have routine oral examinations, potentially resulting in fewer people receiving screenings essential to early detection. The fear of false positives and unnecessary biopsies is conjecture; the public’s perception of the benefits of oral cancer screenings is currently unknown. The purpose of this study was to determine public perceptions of oral cancer screening in relation to other common cancer screenings such as breast cancer screenings, prostate cancer screenings, and colon cancer screenings.
An Evaluation of a School-Based Dental Sealant Program

Introduction: To evaluate the effectiveness of Bengal Smiles, a school-based dental sealant program and assess outcomes related to the Healthy People 2020 oral health objectives.

A Look at the Current European Crisis: Refugees in Transit

Understanding the dispersal and value of resources among refugees through NGOs during crisis.

Violence Against Women: Perspectives Based on Age, Country of Origin, Socioeconomic Status, Marital Status, and Years of Education

The Demographic and Health Survey (DHS) may be used to understand domestic violence practices, as well as, serve as baseline data in developing future strategies to combat violence against women. This statistical analysis aimed to understand the similarities and differences between female respondents that answered “yes” “no” or “don’t know” to the question “Wife beating justified due to child neglect” according to the latest available data for India, Pakistan, and Nepal (DHS, 2006;2011;2013).

Increasing HPV vaccine uptake through provider and nursing education: A quality improvement program

Human papillomavirus, HPV, is the most common sexually transmitted disease worldwide (Walhart, 2012). There are currently over 100 different strains of HPV with over 40 of those that cause infection of the genital areas of both males and females.
These strains can also infect the mouth and throat (Centers for Disease Control and Prevention, 2014). Protection against HPV infection is an important public health goal in preventing cervical and other anogenital cancers that are caused by HPV infection. Vaccinations have shown to decrease disease burden of populations and positively impact quality of life. The National Cancer Institute (2011) has stated that widespread vaccination for HPV has the potential to decrease cervical cancer deaths worldwide by as much as two thirds. Vaccination can also help decrease the cost of health care related to HPV infection and treatment provided for follow-up care of abnormal papanicolaou smears, biopsies, and invasive procedures. Nurses and other health team members are key players in increasing the HPV vaccine uptake rate.

**Findlay, Allison; Nies, Mary**  
**Category:** Culture & Policy  
**Classification:** Doctor of Philosophy (All students)  
**Poster #** 29  
**Social Determinants and Health-Related Quality of Rural Elderly Life**

Social determinants of health are the personal, economic, political, and social conditions in which older adults live and age, and are primarily responsible for health inequalities. Rural elderly disparities as well as environmental factors of less proximity and accessibility to needed resources place them at greater risk for adverse health outcomes and poorer quality of life. Greater social resources and interaction are modifiable social determinant factors that have been associated with improved health, quality of life, and healthy aging in place, yet there is a lack of research in this area. Examination of their unique social characteristics and environments, and perceived health and function can assist with identifying interventions that promote health for this population, so that research translates to sustainable health programs to change inequalities and promote health.

**Jones, Lillian; Nies, Mary**  
**Category:** Psychosomatic & Societal Dynamics  
**Classification:** Doctor of Philosophy  
**Poster #** 27  
**A Nursing Intervention to Decrease the Risk of Depression in Rural Community Living Older Adults**

There is a great need for novel nursing interventions that promote the health and well-being of rural dwelling older adults that are at risk for depression due to factors in the rural environment that can contribute to social isolation. Life story as an intervention has been used to decrease mental distress in clients in research studies in Europe and Asia. These studies have reported decreased levels of depression, increased social connectedness, and increased positive identity (Moon Fai et al, 2014; Moya & Arnold, 2012).
Miner, Mallory  
Category: Supporting Student Success across Diverse Context  
Classification: Doctor of Nursing Practice  
Poster # 24  
**Supporting Retention of Students in Practice Doctorate Programs**  
Part of your journey is just being admitted. Once you are admitted there are barriers you will have to face. Many students are professionals and already have very busy and productive lives, and graduate school is just one more thing to add onto their plate.

**PHARMACY**  
Sherwood, Sabrina, Lystrup, Alex, Nickerson, Cheyene, Buffington, Jeffrey  
Category: Supporting Student Success across Diverse Context  
Classification: Doctor of Pharmacy (All Students)  
Poster # 30  
**Description of a Student Pharmacist-Led Patient Assistance Program**  
The purpose of this project is to describe the process and outcomes of a student pharmacist led Patient Assistance Program (P.A.P.) in a community clinic setting. Financial hardship has been cited to lead to adverse health outcomes.1 Patient Assistance Programs assist low income patients procure brand name medications at no cost.

**PHYSICAL THERAPY**  
Burns, Matea; Cheadle, Nancy; Brockett, Jeff; Ralphs, James  
Category: Innovations in Health Systems & Technology  
Classification: Bachelors of Science, Doctor of Audiology, Doctor of Education and Doctor of Physical Therapy  
Poster # 13  
**Reflexive or Volitional Eye Opening During Sensory Organization Testing**  
Computerized Dynamic Posturography, specifically Sensory Organization Testing (SOT) has been found to be useful in exploring how patients manage their sensory inputs for balance. Two of the conditions require the patient to close their eyes. Often, because of fear, anxiety, or other reasons, patients briefly open their eyes during the testing process. When this occurs, it can significantly affect test outcome, interpretation, and ultimately their plan of care. The purpose of this study is to determine how often patients reflexively or volitionally open their eyes under conditions where they have been asked to keep their eyes closed. The results of this research will inform clinicians of the importance for monitoring patients for adherence to testing instructions and could potentially indicate the need for an alternative way of denying vision in these two subtests.
Acute cholecystitis secondary to cholelithiasis

Cholecystitis secondary to cholelithiasis is the most prevalent acute surgical condition in the United States today, affecting more than one in four people during a lifetime and affecting some genders and ethnicities more than others. More so, this condition likewise affects the populations in most other industrialized nations. Specifically, Cholecystitis refers to a syndrome of right upper quadrant pain, fever, leukocytosis and other inflammatory responses and as such, it is not a condition that stands alone. Most often, Cholecystitis is most often secondary to another pre-existing condition or conditions, each of which present different levels of severity, clinical courses of resolution or management plans, ranging from doing nothing, outpatient antibiotic therapy or the necessity of resolution through either planned, urgent or sometimes emergent surgery. This presentation, part of a master’s project in the Physician Assistant Studies Program, outlines the clinical findings, diagnostic factors, etiologies, risk factors, treatments and prognosis associated with what is otherwise known as calculous cholecystitis.

Phonetic Transcription in Vocal Development: When is Reliability Achieved?

Phonetic transcription has been used to document infant vocalization; however, research calls into question the reliability and validity of such methods. Accordingly, there is a need for a research base indicating a developmental age when transcription can be used reliably. It is hypothesized that transcription will be a reliable method to document vocalizations as infants approach 18 months of life. By finding an age when transcription is more reliable, time and resources will be preserved by utilizing other methods to document vocalizations for younger children.