Posters

Poster Session I

4:00pm - 5:30pm
College Union Ballroom

Biology

Caroline Garliss
The effects of intracranial infusions of oxytocin into the amygdala on play and anxiety in adolescent rats

Chelsea Loughner
Analysis of Dip-B mRNA isoforms in Drosophila melanogaster

Dina Mohamed-Aly
Investigating epigenetic mechanisms of transcriptional repression in Aspergillus nidulans snxAHrb1 mutants by removal of histone deacetylases

Jasper Leavitt
Examining the initiation of algal cell entry into an embryonic salamander host

Joseph Robinson
Opposing Effects of FSHR-1 on Immunity and Cold Stress Response in C. elegans

Stacey Blannett
The Effect of Lactate Dehydrogenase Inhibition on the Warburg Effect in B16-F10 Mouse Melanoma Cells

Stacey Heaver
ß-glucuronidase inhibition in kombucha, a fermented tea: Determining the quantity and effect of D-saccharic acid 1,4-lactone production under varied fermentation conditions

Chemistry

Daniel Ruff, Kathryn Fodale
Impact of cyclopentadienone substitution on the activity of (cyclopentadienone)iron tricarbonyl catalysts
Poster Session I

**Chemistry**

**Ida DiMucci**
Characterizing the Partitioning of Hydrophobic Solutes into the Surfactant Bilayer on Gold Nanorods

**Kevin Mrugalski**
Towards the synthesis of a photocleavable linker for GlcNAc-ligated protein purification

**Laura Lee**
Investigating the interactions between gold nanoparticles and L. catebeianus and L. sylvaticus

**Manhao Zeng**
Synthesis of Novel Pyrido Derivatives of Tröger's Base

**Michael Counihan**
Effects of cations on the material properties of model cell membranes and nanoparticles on stratum corneum

**Rowan Meador**
Synthesis of a Photo-cleavable Linker for Protein Purification

**Warren Campbell**
The role of protein and membrane context in the interaction of polyglutamine peptides with lipid membranes.

**Computer Science**

**Anna Kane, Matthew Kuhl, Wei Xiong**
Immersion Projects Management System: an online information system that simplifies routine work for the managing staff of the Immersion Projects

**Jiangfeng Wang, Lee Sieger, Michael Kielbasa, Timothy Cook**
Casa de la Cultura Web Management System
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Poster Session I

Computer Science

Joseph Robinson, Thomas Grueter
Project Gettysburg-León

Kuan Wang, Luke Burtch, Phoebe Eng, Timothy Cook
Yoga Nidra Instruction Editor & Lesson Training Site

Environmental Studies

Dori Gorczyca
Is it hot out here?
Communicating global climate change using Glacier National Park, online media, and place attachment

Janine Barr
A feasibility study of using unmanned aerial vehicles to survey avian abundance by using audio recording.

Julie Blum
Relationships between forest bird declines and hemlock wooly adelgid prevalence in the eastern United States.

Mathematics

Alice Mitnick
For When Life Isn’t Fair: Methods in Fair Division

Erin Brady
The Use of Smith Normal Form Matrices to Solve Chip Firing Games

Tyler Reckner
p-Adic Analysis and the Maximum Modulus Principle
Poster Session I

4:00pm - 5:30pm
College Union Ballroom

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Physics

Franz Utermohlen
An Unbinned Correlation Method for Tracking Polar Mesospheric Clouds

Ryan McCabe
Simulated Stratospheric Aerosol Effects on Earth’s Solar Radiation Budget

Psychology

Alexandra Kelly, Madeline Ruble, Mariah Sprague
Stickerland: How does the possibility of concealment effect children’s desire to cheat

Alexandra Turano
The Effects of Common Attention-Deficit/Hyperactivity Disorder (ADHD) Medications on Social Approach and Anxiety in Fischer-344 and Sprague Dawley Rats

Alexis Palladino, Kimberly Houston, Zachary Witkower
Race, Obesity, and Aggression

Alicia Castro, Claire Alexander, Samantha Eck
Effects of Country of Origin and English Language Fluency on Perceptions of Immigrants

Alicia Castro, Danielle Hernandez, Samantha Eck
Chronic and acute cocaine administration: Cocaine and anxiety in adolescent female Wistar rats

Benjamin Rodgers, Grace Groover, Kira Mason
Glucose and Priming Effects on Internal State Hostility, Arousal and Aggression

Benjamin Rodgers, Kurt Mathisen, Michelle Fox
Effects of Caffeine on Anxiety in Adolescent Rats
Colleen Boyle, Lindsay Westberg, Theresa Houtz
An embodied metaphor's effect on deliberate thought processes and perseverance.

Danielle Hernandez, Kurt Mathisen
Aggression in gender role-play

Devin Garnick, Lauren Losak, Sarah Kearns
When and Why We Lie: The Role of Darkness on Real and White Lies

Dorian Jones, Hannah Oliphant
Poster Title: Thinking Through a Situation: Need for Cognition as a Moderator between Provocation and Aggressive Behavior

Elise Sondheim, Gwen Houck, Jenna Swope
The priming versus embodied effects of temperature on social proximity and memory

Emily Elwood, Hannah Martin, Hilary White
The Effect of Hand Restriction on Distance Perception for Desirable and Undesirable Objects.

Emily Lunardi, Jubal Horton
The Smell of Lies: How Untrustworthy Does Body Odor Make You?

Emily Wakschal, Mary O'Mara
The effect of neuroscience jargon and images on ratings of scientific credibility

Genevieve Herdegen, Grace Van Scoy, Kayla McQuillan
Interpersonal Skills and Agreeableness: The Effects of Group Inclusion and Cohesion on Aggression

Hannah Oliphant, Wesley Gregory
Will Moral Ambiguity Change the Cleansing Effect?
**Poster Session I**

4:00pm - 5:30pm
College Union Ballroom

*Psychology*

Isabella Schiro, Kelly Westerman
Embodied Cognition and Racial Stereotyping: Preschoolers’ Explicit Associations as a Function of Fluid versus Rigid Movement

James Lincoln, Kuan Wang
Understanding of Envy and Preschoolers’ Prosocial Behaviors

Jessica Johnson, Selah Kwak
Shaping odors: Visual priming effects on olfaction

Joshua Rubinstein, Richard Cornish
The Shape of Smells: How your nose reacts to what your eyes see.

Kelly McGrath, Paige Ruland
The Effect of Embarrassment and Pride Stories on Children’s use of their Least Preferred and Most Preferred Colors in a Subsequent Drawing Task

Kellyann Walley, Lindsay Gonnella
Emotion Recognition in Children as a Function of Vocal Cues

Kimberly Vivas, Ryan Gallagher
The Effect of Black and White versus Color Images on Neuroscientific Articles’ Credibility

Kyra McFadden, Rebecca Utzinger
Are mindful eaters influenced by bowl size in the consumption of chocolate?

Madelaine Trotter, Michelle Fox, Samantha Grom, Zachary Witkower
The Influence of Head Tilt on Aggressive Behavior

Monica Doring
Behavioral Effects of FG7142 on Isolation Rearing in Wistar and Sprague-Dawley Rats
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Poster Session I
4:00pm - 5:30pm
College Union Ballroom

Psychology

Rachel Clasing
Age differences in the value of modesty: Implications for cross-generational studies of narcissism

Rebecca Divas
An Age Group Comparison of the Effects of Cyber Victimization on Social Anxiety and Loneliness

Samantha Lee, Sarah Boulton
Discrimination Type and Flag Presence on Perceptions of Discrimination toward the LGBTQ Community and Support of Pro-LGBTQ Legislation

Poster Session II
4:00pm - 5:30pm
College Union Ballroom

Economics

Shannon Brobst
An Experimental Study of Citizens United Effects on Campaign Finance and Election Markets

German Studies

Martina Khalek
A joke, threat or sign?: An Analysis of The Patriotic Europeans Against the Islamisation of the West (Pegida) and both its Usage of Media and its Portrayal in Media
Africana Studies

Annette Aguilera-Gonzalez, Cassandra Wells, Cheery Huang, Megan Zagorski, Meredith McGann, Naima Scott, Ophelia Afflick, Sydney Braat
The Haitian Struggle for Human Rights in the Dominican Republic

Biology

Abigail Dworkin-Brodsky
The effect of non steroidal anti-inflammatory drugs on the regenerative abilities of Lumbriculus variegatus

Abigail Dworkin-Brodsky, Taylor Bury
Antidepressants venlafaxine and fluoxetine produce different effects on locomotion in two species of marine snail, the oyster drill (Urosalpinx cinerea) and the starsnail (Lithopoma americanum)

Aden Lessiak
Isolation and Characterization of an Interdigital Bacterial Species

Alecia Achimovich
Isolation and Characterization of Novel Bacterial Strains

Alex Lupolt
Isolation and characterization of novel skin microbiotic strains from the antecubital fossa, popliteal fossa, and dorsal forearm of a healthy adult male

Alexander Gold, Amanda Finck, Emily Garrigan, John Gentes, Matthew Sult, Nathan Arndt, Nolan Skirtich, Richard Gawel, Yiran Mao
Global Amphibian Declines Independent Projects

Casey Butrico
Isolation and characterization of Butrico1 species from right pointer and middle finger

Colleen Oleynik
Isolation and Characterization of the Microflora in the Human Fingernail
Biology

Eun Chon
Characterization of various human microflora and identification of a single strain

Jaclyn Turet
Isolation, Characterization, and Identification of Staphylococcus Bacteria Cultured from Subungual Region of Thumb Nail

James Nguyen
Identifying downstream targets of FSHR-1 in the Caenorhabditis elegans innate immune response

Jasper Leavitt
Characterization of a skin microbe from the inner elbow using a suite of methods

Jenna Kobett
Isolation and Characterization of JKK-1 from the left outer ear of a healthy 21-year-old female

Jennifer Beggan
THE ISOLATION AND IDENTIFICATION OF A NOVEL HUMAN SKIN MICROBE FROM THE FOREHEAD

Jennifer Giannini
The Role of the G-protein Coupled Receptor FSHR-1 in Pathogen Avoidance Behavior

Joshua Pettengill
The Isolation, Characterization, and Identification of Human Hand Epithelial Micro Flora

Laura Brumbaugh, Taylor Randell
Analysis of HIV-1 Replication: RRE Structure and Function

Margaret Johnson
Hidden Microbe: Identification of Unknown Microbe from the Non-dominant Palm
Poster Session III

4:00pm - 5:30pm
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Poster Session III

Biology

Mary Kamovitch
Identifying bacterial species from various body locations via isolation and classification

Mary Pearce
The isolation and identification of a bacterial strain from the forearm

Morgan Patullo
Isolation and characterization of Staphylococcus aurous from under the left index fingernail

Stephanie Adamczak
Righting behavior of aquatic snails under the influence of anti-depressants

Theresa Menna
The Role of FSHR-1 in the skn-1 Mediated Oxidative Stress Response in C. elegans

Zachary Moser
Isolation, Characterization, and Identification of an Unknown Microbacterial Strain found on the Epidermis

Center for Global Education

Abby Rolland
Bath and Gettysburg through the GLGC: How My Time Abroad and Home Changed my Outlook on Leadership

Cassandra Mensinger
SIT Morocco: Connecting Global Experience and Campus Community

Christopher Lasek
Global Leaders of Gettysburg College - A Culmination Summary
Center for Global Education

Dayna Seeger
Global Involvement: My Experience with the Global Leaders of Gettysburg College

Erin O'Connor
Global Gettysburg: Growing from my Experiences Abroad with Global Leaders of Gettysburg College

Madeline Price
Being a Global Leader of Gettysburg College

Madison Senseney
GLGC: Campus Community Leadership through the Reflection of a Global Experience

Stephanie Buff
GLGC Poster

Center for Public Service

Sara Moyer, Sophie Kashurba
Anything is PAULssible, The Sky is the Limit: Honoring one of Gettysburg's Greatest through a 5k

Chemistry

Adam Poff, Dina Mohamed-Aly, Madison Lacroce
Investigating DNA-lipid interface interactions using Langmuir monolayers

Celina Harris, Gordon McCann, Savannah Miller
The effects of gold nanoparticles on model cell membranes.

David Van Doren, Sarah Hansen
Adjustable Leakage of pH-Sensitive Small Unilamellar Vesicles by Varying Cationic and Anionic Lipid Ratios
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**Global Leadership Gettysburg College**

**Megan Fowle**
Making Sense of Florence: My Time in the GLGC

**Nikolas Jameson**
GLGC Poster Presentation: Melbourne, Australia

**Teresa Crist**
Global Leaders of Gettysburg College

**Globalization Studies**

**Erin Brennan**
"Literature Review of Child Food Insecurity for Local Research Projects"

**Health Sciences**

**Alex Lupolt**
Tissue-specific abundance of NAMPT, CLOCK, and BMAL1 proteins in murine tissues; Effects of glucose intolerance on BMAL1 and SIRT3 expression

**Daniel Moorhead**
In Vitro Incubations of mouse skeletal muscle with AICAR

**History**

**Rebecca Duffy**
Constructing a History for Poverty: Museum Interpretations of Poverty & Welfare in the United States and England

**Interdisciplinary Studies**

**Erin O'Connor**
The Need to Belong: School Counselors Impact School Climate and Students' Success
Poster Session III

Interdisciplinary Studies

Katherine Burke
Powers of Place: The Influence of Teacher Experiential Education on Student Learning Experiences

Physics

Heather Garland
Detector calibrations for fragmentation reactions with relativistic heavy ions at the NSCL

Psychology

Amy Violante, Gwen Houck
Critical approaches to General Psychology: Implications for social justice

Bridget Kenny, Danielle Graham, Marianelly Rios
Aggression Levels in Female Athletes: Comparing Levels of those who Play Contact Sports to those who Play Non-Contact Sports

Colin Mancini
Excuses, Excuses: The Interaction between Excuse and Provocation Strengths on Subsequent Aggressive Behavior

David Casciola, Gregory Blum
Trigeminal Determinants of the Perception of Odor Sharpness

Kristina Chamberlin
Predicting Cyberbullying Behavior