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CONFERENCE TEAM

Conference Director
Dr. Rusty Jones

Conference Coordinator
Cathy Holland

Special Events Advisor
Megan Theophilus

Information Technology Advisors
David Alder, Whitney Bryant, Wade
Guisewhite & Brian Wilson

AREA COORDINATORS

Anthropology
Dr. Elise Edwards

Art History & Art Exhibition
Dr. Elizabeth Mix

Biochemistry & Molecular Biology
Dr. Jeremy Johnson

Biology & Sustainability
Dr. Jennifer Kowalski

Business & Economics
Prof. Hilary Buttrick,

Chemistry
Dr. Paul Morgan

Communication & Media Studies
Dr. Casey Kelly

Education
Dr. Susan Adams

English Literature & Creative Writing
Dr. Joseph Colavito

Gender, Women & Sexuality Studies
Dr. Brooke Beloso

History & Classics
Dr. Paul Hanson

International Studies
Dr. Montgomery Broaded

Modern Foreign Languages
Dr. Alex Quintanilla

Music & Dance
Dr. James Briscoe

Pharmacy, Health Sciences & Exercise Science
Dr. Chad Knoderer & Ms. Dawn Kidd

Philosophy & Religion
Dr. Tiberiu Popa

Physics, Mathematics & Computer Science
Dr. Xianming Han

Political Science
Dr. Robin Turner

Psychology
Dr. Joel Martin

Sociology
Dr. Antonio Menéndez-Alarcón

URC CONFERENCE SCHEDULE

7:30 a.m.-9:30 a.m.	Conference Check-in Irwin Library
7:30 a.m. – 10:00 a.m.	Light Breakfast, Irwin Library
8:30 a.m. – 9:30 a.m.	Poster Session, Irwin Library
8:30 a.m. – 3:00 p.m.	Art Exhibition, Irwin Library
8:30 a.m. – 4:30 p.m.	Concurrent Oral Presentation Sessions. See program for specific session times
11:30 a.m. – 1:30 p.m.	Box Lunches Available in Reilly Room, Atherton Union
12:00 p.m. – 1:00 p.m.	Poster Session 2, Irwin Library
12:15 p.m. - 12:30 p.m.	Welcoming address Dr. Kathryn Morris, Provost and Vice President for Academic Affairs Reilly Room, Atherton Union

This wonderful conference would not be possible without the superlative efforts of our colleagues and students from across the campus. We thank you for all you do to make this day a success.

Faculty Moderators: Susan Adams, Jarrett Amsden, Kim Beck, McKenzie Beverage, Bruce Bigelow, Denis Boateng, Meghan Bodenber, Joe Boozell, James R. Briscoe, Monte Broaded, Christopher Bungard, Andrew Butler, Hilary G. Buttrick, Krista Cline, Rocky Colavito, Kenneth Colburn, Robert Dale, Vivian Deno, Elise Edwards, Shelley Etnier, Katie Fizer, Lee Garver, Erin Gerecke, R. Brian Giesler, Amanda Gingerich, Paul Hanson, Nat Hauck, Alex Isaacs, R. Jeremy Johnson, Nicholas Johnson, Jim Keating, Casey Kelly, Skylar Kobren, Justin Kotiw, Jennifer Kowalski, Kena Lanham, Shannon Lieb, Tara Lineweaver, Carrie Maffeo, Joel Martin, Annette McFarland, Elizabeth Mix, Katherine Novak, Alison O'Malley, Robert Oprisko, Robert Padgett, Sarah Painitz, Sheel Patel, Tiberiu Popa, Cathy Ramey, Darin Ramsey, David Reeves, Carmen Salisbury, Mike Samide, Marvin Scott, Sholeh Shahrokhi, Tracy Sprunger, Andrew Stoehr, Susan Sutherlin, Jeanne VanTyle, Phil Villani, Bill Walsh, Anne Wilson

Staff & Faculty From Academic Affairs: Melody Adkins, Connie Anders, Julie Barrett, Gary Beaulieu, Susan Berger, Laura Brandenburg, Regan Bright, Pam Crea, Jamie Duvall, Rena Duerksen, Liz Freedman, Susan Greenfield, Debbie Jones, Anne Minnich-Beck, Carol Montgomery, Lori Moore, Mary Proffitt, Julie Schrader, Sharon Schuyler, Jo Wagoner, Teresa Williams, and Joey Wohlhieter.

Student Workers: Brittany Babbitt, Sarah Berk, Drew Brandon, Jared Curcio, Leslie Cyranowski, Dana Erness, Aaron Halisch, Shannon Hiday, Riley Hill-Kartel, Emily Hogg, Raj Kammari, Brandon Katz, Chris McDonald, Hannah McKee and Trenton Reeve .

The staff members from Conferences & Special Events, Campus Impressions, Facilities, Print Marketing & Communications, Information Technology, and Web Marketing & Communications

PRESENTATION SCHEDULE

ANTHROPOLOGY

Anthropology Session 1: Transforming Identities in Argentina, Vietnam, Japan, and Indianapolis, Indiana

Moderator: Sholeh Shahrokhi

09:00 AM – 10:00 AM Jordan Hall 276

09:00 AM – The Recovered Businesses of Argentina: Identities in an Imagined Country
Martha Leuthner *Butler University*. Faculty Sponsors: Elise Edwards *Butler University*

09:15 AM – Vietnam Multiculturalism

Cody Wiswasser *Ball State University*, Travis Muller *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

09:30 AM – Faithful Inquiry: An Ethnographic Study of Religious Education

Noah Huyette *Butler University*. Faculty Sponsors: Elise Edwards *Butler University*

09:45 AM – Japanese Modernity and "Women's Language"

Livio Guillaume *Butler University*. Faculty Sponsors: Elise Edwards *Butler University*

Anthropology Session 2: Millennials in Vietnam: Lock and Load, Rock and Roll

Moderator: Elise Edwards

10:15 AM – 11:30 AM Jordan Hall 276

Panel abstract: As members of the millennial generation, the tools we used to illuminate the personal and global effects of the American War in Vietnam could only speak to our assumptions of the characters and stories defined by the 1960s. Our ethnographic studies were the foundation for the field study, as we would later attempt to create a narrative from our interactions with five Vietnam veterans in a country forty years removed from war. Our processes for gaining data changed as we realized unearthing the complexities associated with the study dealt with global and personal wars, individual identities, and Vietnam as a changing milieu. Though our prior education on Vietnam explained what we would see, our stories, as qualitative inquiries, combined with the veterans' returning perspectives to create a generational discourse. Through our individual narratives, we express a broadened perspective on bridging the divide between our generations.

10:15 AM – Finding Vietnam: The Reactions of Millennials and 60's Veterans in 21st Century Vietnam

Spencer Sabinske *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

10:30 AM – Interpretation and Flexibility: Ethnographic Fieldwork in Vietnam

Katrina Pieri *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

10:45 AM – Metaphor and Reality: Expectations of Vietnam from Millennial Eyes

Cooper Cox *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

11:00 AM – Millennials and Veterans: The Final Chapter

Jack Hesser *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*
11:15 AM – Evolving Mindsets
Quinn Nelson *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

ART HISTORY

Art History Session 1: History of Art and Design

Moderator: Elizabeth Mix

11:00 AM – 12:00 PM Lilly Hall 133

11:00 AM – Art, Power, and Politics: The Construction of Cave 156 at Dunhaung and the Zhang Family

Khanh Le *Hanover College*. Faculty Sponsors: Mandy Jui-man Wu *Hanover College*

11:15 AM – Michelangelo Achieves Perfect Balance of Secular and Non-Secular as His Career Progresses: From David to Risen Christ

Elizabeth Doolittle *Flagler College*. Faculty Sponsors: Chris Balaschak *Flagler College*

11:30 AM – The Liminality of Antoine Watteau and His Quietly Subversive Influence on the Rococo

Rebecca Petrilli *Wittenberg University*. Faculty Sponsors: Janice Glowski *Wittenberg University*

11:45 AM – Evolution of Decorative Architecture in Vietnam

Carrie Rhodus *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

Art History Session 2: Literature, Visual Culture and Theory

Moderator: Elizabeth Mix

01:00 PM – 02:00 PM Lilly Hall 133

01:00 PM – J.M.W. Turner's Vortex: Painting, Alchemy, and Literature in the Perspective Lectures and Sketchbooks

Samuel Russell *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Jean Robertson *Indiana University/Purdue University at Indianapolis*

01:15 PM – Ophelia [Re]Envisioned: Feminist, Intertextual Analysis of Depictions of Ophelia from the Baroque to Postmodern Era

Reid Bruner *Butler University*. Faculty Sponsors: Elizabeth Mix *Butler University*

01:30 PM – Art and the Landscape of Oppression in Lars Von Trier's Dystopic Duo: Melancholia and Antichrist

Gregory Maher *Valparaiso University*. Faculty Sponsors: Peter Lutze *Valparaiso University*

01:45 PM – The Art of Trauma: Abstraction and 'Locke and Key'

Kirsten Stricker *Wittenberg University*. Faculty Sponsors: Janice Glowski *Wittenberg University*

Art History Session 3: Visual Art

Moderator: Steve Nyktas

02:00 PM – 03:30 PM Lilly Hall 133

02:00 PM – I Spy

Ashleigh Schneckenberger *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

02:15 PM – Peering In

Amber Mills *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

02:30 PM – Through the Eyes of Imagination

Erin Drennan *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

02:45 PM – Pieces

Morgan McFarland *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

03:00 PM – Seeing Through the Stigma

Kaylin Beckwith *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

03:15 PM – Tiny Snippets: A Series of Relational Artworks

Olivia Toriumi *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

BIOCHEMISTRY & MOLECULAR BIOLOGY

Biochemistry and Molecular Biology Session 1

Moderator: R. Jeremy Johnson

09:30 AM – 10:45 AM Gallahue Hall 101

09:30 AM – Engineering of Catalytic Activity into THI3 Protein

Ahmed Malik *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Michael McLeish *Indiana University/Purdue University at Indianapolis*

09:45 AM – The Role of Histone H3K79 Methylation Patterns in UV-Induced Sister Chromatid Exchange and G1/S Checkpoint Response in *Saccharomyces cerevisiae*

Elizabeth Steenkiste *Denison University*. Faculty Sponsors: Jeff Thompson *Denison University*

10:00 AM – Effect of P13K Stimulation on EZH2 Expression in UMUC14 Urothelial and UMUC3 Bladder Cancer Cells

Corinne Haines *Denison University*. Faculty Sponsors: Lina Yoo *Denison University*

10:15 AM – Revisiting the Gene Models of a Rodent Malaria Genome

Tyler Gibson *Earlham College*. Faculty Sponsors: Peter Blair *Earlham College*

10:30 AM – Thermal Denaturation of Mycobacterium Tuberculosis Protein Rv0045c Monitored by Intrinsic Tryptophan Fluorescence

Lindsey Drake *Butler University*. Faculty Sponsors: Geoffrey Hoops *Butler University*

BIOLOGY & SUSTAINABILITY

Biology and Sustainability Session 1: Cell and Molecular Biology I

Moderator: Nat Hauck

09:30 AM – 10:30 AM Gallahue Hall 102

09:30 AM – Characterization of the Role of Salicylic Acid in Plant-Pathogen Interactions in Moss

Erica Grabinski *Butler University*. Faculty Sponsors: Nat Hauck *Butler University*

09:45 AM – Effectiveness of Photokilling of Methicillin Resistant Staphylococcus aureus by Four Classes of Photosensitizers

Melissa Rankin *Midway College*. Faculty Sponsors: William McGowan *Midway College*

10:00 AM – Hibiscus sabdariffa, Therapeutic Uses for Treating Pulmonary Hypertension.

Johnny Glenn *Tuskegee University*. Faculty Sponsors: Chastity Bradford *Tuskegee University*

10:15 AM – The Influence of Light on Mniium cuspidatum Responses to Pathogen Infection

Bryce Fawcett *Butler University*. Faculty Sponsors: Philip Villani *Butler University*

Biology and Sustainability Session 2: Ecology, Evolution, Behavior I

Moderator: Andrew Stoehr

09:45 AM – 10:30 AM Gallahue Hall 105

09:45 AM – A Phylogenetic Analysis of the Genus Ophioglossum S.S. (Ophioglossaceae)

Alex Fults-Ganey *Denison University*. Faculty Sponsors: Warren Hauk *Denison University*

10:00 AM – Intraspecific Variation in a Hawaiian Population of Ophioderma pendula (Ophioglossaceae)

Carla Ramirez *Denison University*. Faculty Sponsors: Warren Hauk *Denison University*

10:15 AM – The Spread of Batrachochytrium dendrobatidis Throughout the Americas and its Impact on Anuran Populations

Charles Boyd *Earlham College*, Clara Stuligross *Earlham College*, Kasun Bodawatta *Earlham College*. Faculty Sponsors: Wendy Tori *Earlham College*

Biology and Sustainability Session 3: Sustainability, Urban Ecology, Environmental Studies

Moderator: McKenzie Beverage

10:45 AM – 11:45 AM Gallahue Hall 102

10:45 AM – Academic Discipline - Sustainability, Urban Ecology, and Environmental Studies

Amy Anderson *Ball State University*. Faculty Sponsors: Andrea Wolfe *Ball State University*

11:00 AM – Factors Influencing Food Deserts

Angelina Qin *Butler University*. Faculty Sponsors: Nic Mink *Butler University*

11:15 AM – The Prevalence of E.coli and Fecal Coliforms on Equestrian Workers' Boots in Central Kentucky

Courtney Komjathy *Midway College*. Faculty Sponsors: Beverly Juett *Midway College*

11:30 AM – Preliminary Research on Methods for Eradicating Autumn Olive
Trevor Chapman *Hanover College*, Evanna Sehr *Hanover College*, Garret Kingston
Hanover College. Faculty Sponsors: Darrin Rubino *Hanover College*

Biology and Sustainability Session 4: Cell and Molecular Biology II

Moderator: Jennifer Kowalski

10:45 AM – 11:45 AM Gallahue Hall 105

10:45 AM – Investigating the Meningeal Reaction During Spinal Cord Regeneration
Sarah Scott *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors:
Ellen Chernoff *Indiana University/Purdue University at Indianapolis*

**11:00 AM – Investigation of FSHR-1 Protein Function in Regulating Synaptic
Transmission in *C. elegans***

Julie Kolnik *Butler University*. Faculty Sponsors: Jennifer Kowalski *Butler University*

11:15 AM – Investigation of the Role of PTEN on EZH2 Expression

Evan Hunter *Denison University*. Faculty Sponsors: Lina Yoo *Denison University*

**11:30 AM – The Effects of MsrA and MsrB in Anoxia Tolerance in Aging *Drosophila
melanogaster***

Nirthieca Suthakaran *Florida Atlantic University*. Faculty Sponsors: Dr. David Binnerger
Florida Atlantic University

Biology and Sustainability Session 5: Ecology, Evolution, Behavior II

Moderator: Shelley Etnier

11:00 AM – 11:45 AM Gallahue Hall 101

11:00 AM – Substrate Preferences of Nesting *Lepomis megalotis*, the Longear Sunfish
Rebecca Allee *Butler University*. Faculty Sponsors: Shelley Etnier *Butler University*

**11:15 AM – Microhabitat Nest Selection by Two Secondary Cavity Nesting Birds: Eastern
Bluebirds (*Sialia sialis*) and Tree Swallows (*Tachycineta bicolor*)**

Charles Boyd *Earlham College*, Zara Silberberg *Earlham College*. Faculty Sponsors:
Wendy Tori *Earlham College*

**11:30 AM – Olfaction as a Cue for Nest Site Choice in Painted Turtles (*Chrysemys picta*) in
Nebraska**

Hanna Klondaris *Earlham College*, Chris Angell *Earlham College*. Faculty Sponsors:
Wendy Tori *Earlham College*, John Iverson *Earlham College*

Biology and Sustainability Session 6: Ecology, Evolution, Behavior III

Moderator: Carmen Salisbury

01:15 PM – 02:30 PM Gallahue Hall 102

**01:15 PM – Seed Dispersal of Native and Non-Native Fruiting Plants by Birds in a
Northwest Indiana Landscape**

Kaitlin Rogers *Valparaiso University*, Heather Albertson *Valparaiso University*, Mary-
Ann Craft *Valparaiso University*. Faculty Sponsors: Laurie Eberhardt *Valparaiso
University*

**01:30 PM – Assessing Risk of Conopid Parasitism in Foraging Bumblebees Using Radio
Frequency Technology**

Clara Stuligross *Earlham College*. Faculty Sponsors: Wendy Tori *Earlham College*

01:45 PM – Fox Squirrel (*Sciurus niger*) Response to Bark Calls

Michael Keller *Butler University*. Faculty Sponsors: Carmen Salsbury *Butler University*
02:00 PM – The Passive Perching Mechanism in Passeriformes Birds
Deena Elsahey *Butler University*. Faculty Sponsors: Shelley Etnier *Butler University*

Biology and Sustainability Session 7: Cell and Molecular Biology III

Moderator: Phil Villani

01:15 PM – 02:45 PM Gallahue Hall 105

01:15 PM – Cell Migration and Microfilament Organization in Acute Camptothecin Treated Mouse Embryo Fibroblasts

Esther M. Walker *University of Indianapolis*. Faculty Sponsors: Mary Ritke *University of Indianapolis*

01:30 PM – The Effect of Tea Polyphenols as Telomerase Inhibitors in Cancerous HeLa Cells

Nathaniel Holt *Butler University*, Joseph Thomas *Butler University*. Faculty Sponsors: Philip Villani *Butler University*

01:45 PM – Biological Interactions Between Defense-Related Plant Hormones in *Physcomitrella patens* and the Fungal Pathogen *Pythium irregulare*

Ryan Eller *Butler University*. Faculty Sponsors: Nat Hauck *Butler University*

02:00 PM – The Fine Structure of Spermatids During Spermiogenesis Within the Sea Snake, *Pelamis platurus*

Cady Gannon *Wittenberg University*, Man Chun Li *Wittenberg University*. Faculty Sponsors: Kevin Gribbins *Wittenberg University*

02:15 PM – Molecular and Cytological Characterization of *dsyCS*, a Maize Mutant Defective in Homologous Chromosome Pairing During Meiosis

Blaine Harlan *Butler University*. Faculty Sponsors: Wojtek Pawlowski *Cornell University*

02:30 PM – Spi-C Negatively Regulates Eosinophil Peroxidase Production in Murine Eosinophils

Michael Stephens *Thomas More College*. Faculty Sponsors: Shannon Galbraith-Kent *Thomas More College*

Biology and Sustainability Session 8: General Biology

Moderator: Erin Gerecke

01:15 PM – 02:45 PM Gallahue Hall 101

01:15 PM – The Relationship Between Personal Ethical Norms and Attitudes Towards Science

Alexis Kaiser *Anderson University*. Faculty Sponsors: Michael Bailey *Anderson University*

01:30 PM – Using GIS to Identify and Predict Environmental Racism in Indiana

Abby Primack *Earlham College*, Andrew Hood *Earlham College*, Caitlin Clark *Earlham College*. Faculty Sponsors: Wendy Tori *Earlham College*

01:45 PM – Fine Focus Undergraduate Journal for Microbiology

Jack Hesser *Ball State University*, Grey Harris *Ball State University*. Faculty Sponsors: John McKillip *Ball State University*

02:00 PM – Spectrophotometric Analysis of the Mold *Aspergillus flavus* in Embalming Fluids Using an XTT Assay Kit.

Kyle Haas *Bellarmino University*, Shane Kimble *Bellarmino University*. Faculty Sponsors:
Joanne Dobbins *Bellarmino University*

02:15 PM – The Effects of Water in the Retardation of the Fungi *Aspergillus flavus* Growth in Embalming Fluids

Kyle Haas *Bellarmino University*, Shane Kimble *Bellarmino University*. Faculty Sponsors:
Joanne Dobbins *Bellarmino University*

BUSINESS & ECONOMICS

Business and Economics Session 1

Moderator: Hilary G. Buttrick

01:30 PM – 02:45 PM Gallahue Hall 106

01:30 PM – Economic Downturns

Ryan Alsman *Butler University*. Faculty Sponsors: William Rieber *Butler University*

01:45 PM – Age Bias in Unemployment: A Regression Analysis

Keith Kline *Manchester University*. Faculty Sponsors: Sreenath Majumder *Manchester University*

02:00 PM – An Overview of Universal Basic Income: Discussion on the Benefits of a Single System Welfare Standard

Zachary Quintero *University of Science & Arts of Oklahoma*. Faculty Sponsors: Jennifer Long *University of Science & Arts of Oklahoma*

02:15 PM – The Effect of Medium and Auto Enrollment Rates on Contribution Rates for Defined Contribution Plans

Kegan Saajasto *Butler University*. Faculty Sponsors: Priscilla Arling *Butler University*, Jill Kirby *Butler University*

02:30 PM – Technology: Do Announcement Dates Matter in the Stock Market?

Jillian Baum *Franklin College*. Faculty Sponsors: Hisaya Kitaoka *Franklin College*

CHEMISTRY

Chemistry 1

Moderator: Mike Samide

09:45 AM – 10:45 AM Gallahue Hall 108

09:45 AM – The Effect of Selenate Ions on Formation of Oxidative Damage Markers in DNA

Lee Siemer *Rose-Hulman Institute of Technology*. Faculty Sponsors: Daniel Morris *Rose-Hulman Institute of Technology*

10:00 AM – High Index of Refraction Polycarbonates Synthesized from Triphosgene and Indicators

Yuan Xue *Rose-Hulman Institute of Technology*. Faculty Sponsors: Dr. Bruce Allison
Rose-Hulman Institute of Technology

10:15 AM – Photophysical Studies of Lanthanide Terpyridine Complexes

Ryan Golkowski *Purdue University*. Faculty Sponsors: David McMillin *Purdue University*

10:30 AM – Synthesis and Resolution of a Substituted Dioxolane from Glycerol

Susannah Cox *Butler University*. Faculty Sponsors: Stacy O'Reilly *Butler University*

Chemistry 2

Moderator: Shannon Lieb

11:00 AM – 11:45 AM Gallahue Hall 108

11:00 AM – Functionalizing Fluorescent Protein for Detection of Explosive Compounds in Hydrogels

Ethan Hillman *Anderson University*, Ryan Mote *Anderson University*, Kent Shilts *Anderson University*. Faculty Sponsors: Scott Kennedy *Anderson University*

11:15 AM – Toward the Development of Portable Ion Analysis

Luke Gallion *Butler University*. Faculty Sponsors: Michael Samide *Butler University*

Chemistry 3

Moderator: Anne Wilson

01:15 PM – 03:00 PM Gallahue Hall 108

01:15 PM – Electrochemical Properties and Fading Patterns of Eosin and Other Pigments

Jessica Lukowski *Butler University*. Faculty Sponsors: Michael Samide *Butler University*

01:30 PM – Using Nanoporous Gold as an Electrochemical Sensor in Biologic Solutions

Jay Patel *Virginia Commonwealth University*. Faculty Sponsors: Maryanne Collinson *Virginia Commonwealth University*, Jacqueline Smith-Mason *Virginia Commonwealth University*

01:45 PM – Development of a Dilute-and-Shoot Sample Preparation Method for Trace and Mineral Element Determination in Wine by ICP-MS

Lacey Auman *Butler University*. Faculty Sponsors: Olujide Akinbo *Butler University*

02:00 PM – Spectroscopic Study of Lignin Monomer Analogs: 2,3-dimethoxyphenol and 1,3,5-trimethoxybenzene

Polina Navotnaya *Purdue University*. Faculty Sponsors: Timothy Zwier *Purdue University*

02:15 PM – Ultraviolet Spectroscopy of Lignin Chromophores

Alexander Parobek *Purdue University*. Faculty Sponsors: Timothy Zwier *Purdue University*

02:30 PM – Spectroscopic Studies on Lignin Monomer Analogs: 2-Methoxyresorcinol

Rachel Clayton *Purdue University*. Faculty Sponsors: Timothy Zwier *Purdue University*

COMMUNICATION & MEDIA STUDIES

Communication & Media Studies Session 1: Globalization, (Post)Racial Rhetoric, and the American Dream

Moderator: Casey Kelly

09:00 AM – 10:30 AM Jordan Hall 207

09:00 AM – Turning On and Off the "Post Racial Gaze"

Anais Cisco *City University of New York - Queens College*. Faculty Sponsors: Roopali Mukherjee *City University of New York - Queens College*

09:15 AM – A Movement of Words: A Civil Rights Movement Metaphoric Criticism

Hannah Pfau *Taylor University*. Faculty Sponsors: Jessica Rousselow *Taylor University*

09:30 AM – Barbershop Spaces and Countering Hegemony: An Analysis of the Film "Barbershop" as a Social Critique

Hannah White *Butler University*. Faculty Sponsors: Casey Kelly *Butler University*

09:45 AM – Burning the White Picket Fence: Regeneration of the American Dream

Miranda Flores *Butler University*. Faculty Sponsors: Kristin Swenson *Butler University*

10:00 AM – Cross-cultural Marketing Strategies in South Korea and America

Ali Backscheider *Butler University*. Faculty Sponsors: Casey Kelly *Butler University*

Communication & Media Studies Session 2: Communicative Perspectives on Gender and the Body

Moderator: Casey Kelly

10:45 AM – 12:00 PM Jordan Hall 207

10:45 AM – An Examination of Perceptions Associated with Nose Piercings

Caitlin Trainer *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

11:00 AM – Social Perception of Tattoos Based on Age

Micah Christensen *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

11:15 AM – Are Traditional Gender Roles Sexist?

Shawn Hudak *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

11:30 AM – Attractiveness in Today's Society

Jillian Fetters *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

11:45 AM – Ms. Self-Esteem: A Study of the Major Influences in Today's College Female

Audrey Trout *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

Communication & Media Studies Session 3: Narrative, Ideology, and Framing in Contemporary Politics

Moderator: Casey Kelly

01:15 PM – 02:15 PM Jordan Hall 207

01:15 PM – Every Man a King: Progressive Appeals and Narrative Rationality

Emma Metz *Indiana University/Purdue University at Columbus*. Faculty Sponsors: Anna Carmon *Indiana University/Purdue University at Columbus*

01:30 PM – The Fight for Democracy: Uncovering the Ideology Behind Winston Churchill's Speech, "The Price of Greatness"

Lauren Harvey *Taylor University*. Faculty Sponsors: Jessica Rousselow *Taylor University*

01:45 PM – Media Influences on Stem Cell Research and Opinions

Elizabeth Hamilton *Butler University*. Faculty Sponsors: Kristen Hoerl *Butler University*

02:00 PM – Message Framing in Political Advocacy Campaigns: A Media Study of the 2014 Scottish Referendum for Independence from the United Kingdom

Christine Todd *Butler University*. Faculty Sponsors: Rose Campbell *Butler University*

Communication & Media Studies Session 4: Communication and Interpersonal Relationships

Moderator: Casey Kelly

02:30 PM – 03:45 PM Jordan Hall 207

02:30 PM – Aftermath of Conflict: Communication of Interpersonal Conflict in an Organization

Courtney Seiwert *Indiana University/Purdue University at Columbus*, Emma Metz *Indiana University/Purdue University at Columbus*. Faculty Sponsors: Anna Carmon *Indiana University/Purdue University at Columbus*

02:45 PM – Reading the Romantic Comedy as a Guide to Finding Love: The Development of Relationships and Ideals in Romantic Comedy

Kathryn Bergamini *Butler University*. Faculty Sponsors: Kristin Swenson *Butler University*

03:00 PM – The Influence of Technology on Creating and Maintaining Long Distance Connections and Relationships

Stephanie Yoder *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

03:15 PM – An Examination of Expletive Usage

Breanna Amico *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

03:30 PM – Relational Dialectics in Roommate Relationships

Clarissa Hunter *Huntington University*. Faculty Sponsors: Mike Rowley *Huntington University*

EDUCATION

Education I

Moderator: Susan Adams

09:30 AM – 10:30 AM Jordan Hall 336C

09:30 AM – How Social Interaction Impacts Literacy Learning in the Elementary Grades

Megan Donisch *Butler University*. Faculty Sponsors: Susan Adamson *Butler University*

09:45 AM – How Can Teachers Help English Language Learners Transition Smoothly into American Schools?

Amber Zimay *Butler University*, Katherine Nikodym *Butler University*. Faculty Sponsors: Susan Adams *Butler University*

10:00 AM – The Flipped Classroom: Perceptions of Teaching and Learning

Daniel Johnson *Butler University*. Faculty Sponsors: Michelle Stigter *Butler University*

10:15 AM – Teaching to the Technological Demands of the 21st Century Classroom

Michelle Trainor *Butler University*. Faculty Sponsors: Shelly Furuness *Butler University*

Education II

Moderator: Susan Adams

10:45 AM – 11:45 AM Jordan Hall 336C

10:45 AM – Learning Style Preferences: Individualizing Curriculum in Today's Standardized Classrooms

Erika Kahlenbeck *Manchester University*. Faculty Sponsors: Stacy Stetzel *Manchester University*

11:00 AM – Promoting STEM in K-3rd Grade

Lainey Hooker *Butler University*. Faculty Sponsors: Catherine Pangan *Butler University*, Jessica McCormick *Butler University*

11:15 AM – Service Learning and its Transformative Effects on the College Experience

Cassie Hailey *Valparaiso University*, Mary O'Brien *Valparaiso University*, Randi Charters *Valparaiso University*, Dashauna Washington *Valparaiso University*. Faculty Sponsors: Kendre Israel *Valparaiso University*

ENGLISH LITERATURE & CREATIVE WRITING

English Literature & Creative Writing Session 1: Studies in the Novel

Moderator: Rocky Colavito

09:00 AM – 10:30 AM Jordan Hall 301

09:00 AM – The Lizzie Bennet Diaries: An Austen Classic for the Internet Age

Emily Sumner *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

09:15 AM – The Most Dangerous Predator: The Court of Chancery

Molly Connor *Hanover College*. Faculty Sponsors: Melissa Eden *Hanover College*

09:30 AM – Virginia Woolf, Mrs. Dalloway, and Feminism

Leah Sander *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

09:45 AM – A Rose Refused

Megan Snyder *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

English Literature & Creative Writing Session 2: Literature and Creative Writing

Moderator: Susan Sutherlin

09:00 AM – 10:30 AM Jordan Hall 303

09:00 AM – Love Sonnets

Anna Mannarino *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

09:15 AM – Damn Francesca: Justice in Dante's Inferno V

Luke Durfey *Ball State University*. Faculty Sponsors: Donald Gilman *Ball State University*

09:30 AM – Superpowers and the Chicago World's Fair: A Novel

Kathleen DeVries *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

English Literature & Creative Writing Session 3: Film Studies

Moderator: Lee Garver

10:45 AM – 12:00 PM Jordan Hall 301

10:45 AM – A Psychological Experiment: An Analysis of the Belgium Film, Jeanne Dielman, 23 quai du Commerce, 1080 Bruxelles

Spencer Angsten *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

11:00 AM – Italy's Realist Christians: Post-War Theology in Rome: Open City

Bob Barrick *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

11:15 AM – The Age of Blossoms: Mrs. Chan's Transformation in In the Mood for Love

Brendan Cavanagh *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

11:30 AM – "Alone and Back in His Social Class:" A Close-Up of Political Economy in the Film Industry

Lindsey VanWinkle *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

11:45 AM – Kieślowski's Three Colors Trilogy: The Experience of Isolation and the Quest for Meaning in the Contemporary World

Kelly Oden *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

English Literature & Creative Writing Session 4: Drama Cornucopia

Moderator: Bill Walsh

10:45 AM – 12:00 PM Jordan Hall 303

10:45 AM – In, Around, and Between the Lines: An Analysis of Shakespearean Stage Direction Through "Macbeth" and "A Midsummer Night's Dream"

Allison Thayer *Ball State University*. Faculty Sponsors: Frank Felsenstein *Ball State University*

11:00 AM – Metalimnality: An Analysis on the Rites of Theatergoing and the Resulting Ritualistic Empathy

Michael Mead *Valparaiso University*. Faculty Sponsors: David Western *Valparaiso University*

11:15 AM – Transgender Temporalities & Gender Nonconformity in Early Modern Drama

Matt Metzler *Miami University of Ohio*. Faculty Sponsors: James Bromley *Miami University of Ohio*

11:30 AM – Holy Boy: A Play Based on the Life of St. Patrick

Grace McDillon *Grace College*. Faculty Sponsors: Paulette Sauders *Grace College*

English Literature & Creative Writing Session 5: Rhetoric, Film, and Trauma Literature

Moderator: Rocky Colavito

01:00 PM – 02:30 PM Jordan Hall 301

01:00 PM – Pay to Pray: Tech, Immortality and Celebrity in America’s Most Secretive Cult

Cassidy Olson *Butler University*. Faculty Sponsors: Joseph Colavito *Butler University*

01:15 PM – Why am I Me and Not You? Humanity and Life Through the Wim Wender's Film, "Wings of Desire"

Anna Zeller *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

01:30 PM – Witnesses to Trauma: Kafka’s Trauma Victims and the Role of Community

Emily Kile *Butler University*. Faculty Sponsors: Hilene Flanzbaum *Butler University*

01:45 PM – Communication in Cosmo: Panties, Penises, Party-Style, and Pathos

Ella Paul *Butler University*. Faculty Sponsors: Joseph Colavito *Butler University*

English Literature & Creative Writing Session 6: Early American Literature

Moderator: Jim Keating

01:00 PM – 02:30 PM Jordan Hall 303

01:00 PM – Constructing an Economic Paradigm: Benjamin Franklin’s Rise to Public Fame

James Hastings *Flagler College*. Faculty Sponsors: Wes King *Flagler College*

01:15 PM – Creative Bias and Artistic Individuality in the Poetry of Phillis Wheatley

William Arbogast *Flagler College*. Faculty Sponsors: Wes King *Flagler College*, Lisa Baird *Flagler College*

01:30 PM – Deliberately Craving the Wrath of God in Puritan Society

Elizabeth Doolittle *Flagler College*. Faculty Sponsors: Wes King *Flagler College*, Lisa Baird *Flagler College*

GENDER, WOMEN & SEXUALITY STUDIES

Gender, Women & Sexuality Studies Session 1

Moderator: Jeana Jorgenson

10:45 AM – 12:00 PM Jordan Hall 238

10:45 AM – Does Watching Sexually-Oriented Reality Television Programming Increase the Frequency of Viewers’ Sexual Activity?

Stephannie Zamboti *Valparaiso University*, Caitlin Fitzpatrick *Valparaiso University*, Angelina Goheen *Valparaiso University*, Madeline Berger *Valparaiso University*. Faculty Sponsors: Kendre Israel *Valparaiso University*

11:00 AM – Rastafarian Roots in Jamaican Homophobia

KaLeigh Hurley *Franklin College*. Faculty Sponsors: Karen Burgard *Franklin College*

11:15 AM – Identity Politics and its Discontents: Muslim Women Bodies and the Veil
Salma Ghalyoun *DePaul University*. Faculty Sponsors: Mallory Warner *DePaul University*

HISTORY & CLASSICS

History and Classics Session 1: International Conflict and Cross-cultural Interaction

Moderator: Paul Hanson

09:00 AM – 10:15 AM Jordan Hall 236

09:00 AM – Godly Brutality: The Cromwellian Conquest of Ireland 1649-1650

William Scupham *Valparaiso University*. Faculty Sponsors: Colleen Seguin *Valparaiso University*

09:15 AM – The Denby Family: Anti-Foreignism, Foreign Rapacity, and U.S. Policy in China, 1895-1905

John Lavender-Stott *Juniata College*. Faculty Sponsors: Douglas Stiffler *Juniata College*

09:30 AM – Consequence, Compromise, and Combination: The American Decision to Blockade Cuba During the Cuban Missile Crisis of 1962

Wilson Alexander *Taylor University*. Faculty Sponsors: Alan Winqvist *Taylor University*

09:45 AM – The Perspective of the Chinese in Hollywood, 1914-2014

Annie Frodeman *Earlham College*. Faculty Sponsors: Chuck Yates *Earlham College*

History and Classics Session 2: Race, Civil Rights and Religion in U.S. History

Moderator: Bruce Bigelow

10:30 AM – 11:45 AM Jordan Hall 236

10:30 AM – Fraktur of Rites of Passage: The Effects of Religion on Record Keeping in 18th Century Pennsylvania Dutch Society

Greta Lohe *Taylor University*. Faculty Sponsors: Alan Winqvist *Taylor University*

10:45 AM – Lew Wallace: An Unsung Hoosier Hero

Jordan Lee *Butler University*. Faculty Sponsors: Bruce Bigelow *Butler University*

11:00 AM – Chapel Hill and the Bowdlerized Image of Civil Rights

Michael Grathwohl *Earlham College*. Faculty Sponsors: Phyllis Boanes *Earlham College*

11:15 AM – In Terms of Black and White: Race, Citizenship, and Dissent in Great War America, 1917-1919

Evan Comer *Butler University*. Faculty Sponsors: Vivian Deno *Butler University*

History and Classics Session 3: Gods, Faith and Witches in History and Literature

Moderator: Christopher Bungard

01:15 PM – 02:45 PM Jordan Hall 236

01:15 PM – Creating Caesar's Image

Caitlyn Carmony *Butler University*. Faculty Sponsors: Christopher Bungard *Butler University*

01:30 PM – One God, Three Faiths, and a Misinterpretation of the Divine

David Mills *University of Arkansas - Fayetteville*. Faculty Sponsors: Sarwar Alam
University of Arkansas - Fayetteville

01:45 PM – Graeco-Roman Gods in Today's World

Maia Swanson *Butler University*. Faculty Sponsors: Christopher Bungard *Butler University*

02:00 PM – Witchcraft and Pastoral Fears

Brian Forman *Earlham College*. Faculty Sponsors: Chuck Yates *Earlham College*

02:15 PM – Medievalism, War, and Cheese: How Joan of Arc Inspires Nations

ShaNell Brazo *Manchester University*. Faculty Sponsors: Janina Traxler *Manchester University*

02:30 PM – Struggling, Singularity, and the Entrapment of Individualities: The Characters of Shakespeare's Hamlet

Justin Schiess *Ball State University*. Faculty Sponsors: Donald Gilman *Ball State University*

History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective

Moderator: Vivian Deno

01:15 PM – 02:45 PM Jordan Hall 238

01:15 PM – Death Comes Dressed in Black

David Mills *University of Arkansas - Fayetteville*. Faculty Sponsors: Sarwar Alam
University of Arkansas - Fayetteville

01:30 PM – “Teach Them to Serve and They’ll Learn How to Sell:” Developing a Hierarchy of 1920’s Salesgirls, Department Stores, Customers, and the Modern Retail World

Anne Vierse *Butler University*. Faculty Sponsors: Vivian Deno *Butler University*

01:45 PM – Protecting the Fairer Sex: Working Women, Protective Legislation, and its Limits in Progressive Era Indiana

Abby Neuman *Butler University*. Faculty Sponsors: Vivian Deno *Butler University*

02:00 PM – A Forgotten People: Men and Same-Sex Sexuality in Colonial America

Jeffrey Neuhouser *Taylor University*. Faculty Sponsors: Alan Winquist *Taylor University*

02:15 PM – The Representation of the Prostitute in Weimar Cinema during the Post-Inflationary Period

Stacey Hauff *Earlham College*. Faculty Sponsors: Chuck Yates *Earlham College*

02:30 PM – Neurasthenia, Eugenics, and the Twilight Sleep Method, 1906-1915

Amelia Schwandt *Butler University*. Faculty Sponsors: Vivian Deno *Butler University*

INTERNATIONAL STUDIES

International Studies Session 1: Civil Conflicts: Domestic and International Influences

Moderator: Monte Broaded

09:00 AM – 10:15 AM Jordan Hall 242

09:00 AM – The Syrian Resistance Coalition: An Unstable Partnership

David Reas *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

09:15 AM – Liberation Theology: Why Should the Nations Be Glad?

Marianne Richardson *Butler University*. Faculty Sponsors: Paul Valliere *Butler University*

09:30 AM – The United States' Isolation from the Cuban Way of Life

Spencer Campfield *University of Indianapolis*. Faculty Sponsors: Sarah Ohmer *University of Indianapolis*

09:45 AM – The Madres de Plaza de Mayo and the Organization of American States: A Meeting Point for Human Rights Organizations and International Law in Democratic Sustainability

Olivia Grace Wolfe *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

10:00 AM – The Role of Propaganda in the British Response to the Mau Mau Rebellion

Amelia Hussein *DePaul University*. Faculty Sponsors: Shiera Malik *DePaul University*

International Studies Session 2: Culture and State in International Relations Theory

Moderator: Eloise Sureau-Hale

10:30 AM – 11:45 AM Jordan Hall 242

10:30 AM – Honor and Rebellion in the Theater: Mozart, Beaumarchais, and Figaro

Robert Fenton *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

10:45 AM – Soundtrack of the Revolution

Sara Doverspike *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

11:00 AM – The Missing Logic of Action: Emotion

Delaney Barr *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

11:15 AM – The State as a Person: The Social and Biological

Kristopher Kaliher *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

International Studies Session 3: The Global in the Local

Moderator: Monte Broaded

01:15 PM – 02:30 PM Jordan Hall 242

01:15 PM – Analysis of American Born Asians & Asian Internationals: Honor, Success, and Identity

Mick Wang *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

01:30 PM – Eritrean Resettlement in Indianapolis

John Traylor *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

01:45 PM – Undocumented Immigrants' Access to Education in Indiana

Hannah Weigle *Butler University*. Faculty Sponsors: Antonio Menendez-Alarcon *Butler University*

02:00 PM – The Super Bowl, Sex Trafficking, and You

Leslie Cyranowski *Butler University*. Faculty Sponsors: Robert Oprisko *Butler University*

MODERN FOREIGN LANGUAGE

Modern Languages 1

Moderator: Katie Fizer and Denis Boateng

09:00 AM – 10:30 AM Jordan Hall 348

09:00 AM – Dictatorship to Democracy: La Transición Española in Chus Gutiérrez's Film El Calentito.

Maisie DeMass *Butler University*. Faculty Sponsors: Linda Willem *Butler University*

09:15 AM – La Movida Madrileña and Post-Franco Cultural Liberation, As Seen in Chus Gutiérrez's Film, El Calentito

Lauren Stark *Butler University*. Faculty Sponsors: Linda Willem *Butler University*

09:30 AM – Immigration in Spain As Seen Through the Film Amador

Caitlin Weichelt *Butler University*. Faculty Sponsors: Linda Willem *Butler University*

09:45 AM – Prostitution and Immigration in Spain as Seen Through Two Films by Fernando Leon de Aranoa

Megan Hosack *Butler University*. Faculty Sponsors: Linda Willem *Butler University*

10:00 AM – The "Cántigas de Santa María:" A Genre Study

Patrick Stroud *Wabash College*. Faculty Sponsors: Ivette Wilson *Wabash College*

10:15 AM – La Mujer en Becquer y Pardo Bazan

Kathryn Boomershine *University of Indianapolis*. Faculty Sponsors: Sarah Ohmer *University of Indianapolis*

Modern Languages 2

Moderator: Joe Boozell and Justin Kotiw

09:00 AM – 10:30 AM Jordan Hall 344

09:00 AM – One Nation, One Language: The Effects of the English on the French Language from 1914 to 1945

Julia Gresik *Butler University*. Faculty Sponsors: Eloise Sureau-Hale *Butler University*

09:15 AM – Don Quixote: Improving Medical Care One Reading at a Time

Zachary Vega *Wabash College*. Faculty Sponsors: Ivette Wilson *Wabash College*

09:30 AM – Los Incas y la medicina: el Perú antiguo y su influencia en prácticas médicas modernas

Tiera Patterson *Butler University*. Faculty Sponsors: Gabriela Muniz *Butler University*

09:45 AM – The Structure of the Latin American Family: Past, Present and Future

Rachel Walcott *Hanover College*. Faculty Sponsors: Eduardo Santa Cruz *Butler University*

10:00 AM – Sor Juana y la Iglesia Católica: una relación complicada

Briana Jurrema *Franklin College*. Faculty Sponsors: Kathryn Johnston *Franklin College*

10:15 AM – The Racial Race for Rank with an Ethnic Twist

Amelia Smith *Hanover College*. Faculty Sponsors: Eduardo Santa Cruz *Butler University*

Modern Languages 3

Moderator: Dr. Sarah Painitz

09:00 AM – 10:00 AM Jordan Hall 278

09:00 AM – Visually Working Through the German Past by Generations: "Holocaust" and "War of Extermination, Crimes of the Wehrmacht 1941-1944"

Olivia Grace Wolfe *Butler University*. Faculty Sponsors: Sarah Painitz *Butler University*

09:15 AM – Media Hype and Violence: A Study of 1970's German and 9/11

Kristopher Kaliher *Butler University*. Faculty Sponsors: Sarah Painitz *Butler University*

09:30 AM – Neues Bauen: Functionality Meets Form in Modern German Architecture

Kayla Nienhaus *Butler University*. Faculty Sponsors: Sarah Painitz *Butler University*

09:45 AM – The German Economic Miracle

Michael Andrews *Butler University*. Faculty Sponsors: Sarah Painitz *Butler University*

Modern Languages 4

Moderator: Justin Kotiw and Skylar Kobren

10:45 AM – 12:00 PM Jordan Hall 348

10:45 AM – Las sociedades nuevas del emperador – una comparación de la sociedad Española a través de los cuentos de Manuel y Cervantes

Brennyn Bailey *Franklin College*. Faculty Sponsors: Daniel Alsop *Franklin College*

11:00 AM – "Una Foto de Guerra:" La Representación de Memoria en la Obra de Carlos Ruiz Zafón

Lauren Fellers *Southwestern University*. Faculty Sponsors: Katy Ross *Southwestern University*

11:15 AM – Reality and Fiction: How Jorge Luis Borges and Julio Cortázar Distinguish and Unite the Two

Adam Barnes *Wabash College*. Faculty Sponsors: Ivette Wilson *Wabash College*

11:30 AM – La Novela Negra: ¿una Verdadera Representación de la Vida en México?

Abbey Rimstidt *Franklin College*. Faculty Sponsors: Jarrod Brown *Franklin College*

11:45 AM – Las mujeres, víctimas o heroes?

Amanda Owen *Franklin College*. Faculty Sponsors: Agueda Mayan *Franklin College*

MUSIC & DANCE

Music and Dance I

Moderator: Dr. Nicholas Johnson

09:00 AM – 10:30 AM Lilly Hall 120

09:00 AM – From Pythagoras to Johann Sebastian Bach: An Exploration in the Development of Temperament and Tuning

Molly Anderson *Butler University*. Faculty Sponsors: Rusty Jones *Butler University*

09:15 AM – An Exploration of the Thematic Shift in Monteverdi's Operas: A Criticism of Humanity

David Dunlap *Butler University*. Faculty Sponsors: Nicholas Johnson *Butler University*

09:30 AM – Ecrite par Madame Bachen. Son Espouse: Anna Magdalena, Sexism, and the Cello Suites

Aliah Ajamoughli *Butler University*. Faculty Sponsors: Nicholas Johnson *Butler University*

09:45 AM – Clave in the Works of Herbie Hancock and Other American Musicians

Zachary Gay *Butler University*. Faculty Sponsors: Matt Pivec *Butler University*

10:00 AM – Contracts v. Cash Flow: Legal Cases of 18th Century London Opera Companies

Rebekah Mackey *Butler University*. Faculty Sponsors: Nicholas Johnson *Butler University*

Music and Dance II

Moderator: Dr. James R. Briscoe

09:00 AM – 10:30 AM Lilly Hall 124

09:00 AM – "Don't You Think the Violin is Better than the Typewriter?:" How Women Orchestras Challenged Gender Inequality and the Indoctrinated Hierarchy in Instrumental Art Music

Donald Bradley *Butler University*. Faculty Sponsors: James Briscoe *Butler University*

09:15 AM – A Brief Study of Orchestration in the Operas of Giuseppe Verdi

Alberto Mantovano *Butler University*. Faculty Sponsors: James Briscoe *Butler University*

09:30 AM – Wagner's Theory and Practice of Drama

Garrett Oberst *Butler University*. Faculty Sponsors: James Briscoe *Butler University*

09:45 AM – On This Island: The First Autobiography of Benjamin Britten

Alaina Bartkowiak *Butler University*. Faculty Sponsors: Kathie Kelton *Butler University*

10:00 AM – Revisiting Modernism and the Ballets Russes: What Contemporary Choreographers Can Learn from Diaghilev

Kelly Oden *Butler University*. Faculty Sponsors: Lee Garver *Butler University*

10:15 AM – Poulenc Sonata for Oboe and Piano: Analysis and Performance Interpretation

Jessica Robinson *Butler University*. Faculty Sponsors: Doug Spaniol *Butler University*

Music and Dance III

Moderator: Dr. Nicholas Johnson

10:45 AM – 12:00 PM Lilly Hall 120

10:45 AM – German Folksongs as Nazi Propaganda in the Hitler Jugend Movement

Patrick Peterson *Butler University*. Faculty Sponsors: Nicholas Johnson *Butler University*

11:00 AM – Female African American Art Song Composers

Nellie Shuford *Butler University*. Faculty Sponsors: Kathie Kelton *Butler University*

11:15 AM – Musical, Textual, and Historical Allusions to Freemasonry in The Magic Flute

Kathryn Chamberlain *Butler University*. Faculty Sponsors: Nicholas Johnson *Butler University*

11:30 AM – The New Art Song: a 21st Century Interpretation

Regina Ceragioli *Butler University*. Faculty Sponsors: Kathie Kelton *Butler University*

11:45 AM – Prog Metal: Developing an Analytical Approach

Nathan Smith *Butler University*. Faculty Sponsors: Rusty Jones *Butler University*

Music and Dance IV

Moderator: Dr. James R. Briscoe

10:45 AM – 12:00 PM Lilly Hall 124

10:45 AM – Exploring Community Engagement in the Indianapolis Opera Scene

Nicole Vasconi *Butler University*. Faculty Sponsors: Rose Kleiman *Butler University*

11:00 AM – Blankets: A Live-Action Graphic Novel

John Albert Harris *Butler University*. Faculty Sponsors: Michael Schelle *Butler University*

11:15 AM – Paths To Self-Determination: Tuareg Music

Atama Abdourahmane *Franklin College*. Faculty Sponsors: Kevin R. Burke *Franklin College*

11:30 AM – Listening to a Revolution: How the Plastic People Impacted Czechoslovakian History

Leilah-Olivia Hendricks *Franklin College*. Faculty Sponsors: Kevin R. Burke *Franklin College*

11:45 AM – The Creation of Fear through Censorship: Repression of Artistic Freedom in the Music of the Syrian Revolution

Aliah Ajamoughli *Butler University*. Faculty Sponsors: Rusty Jones *Butler University*, Sally Childs-Helton *Butler University*

PHARMACY, HEALTH SCIENCES & EXERCISE SCIENCE

Pharmacy/Health Sciences Session 1A

Moderator: David Reeves

08:30 AM – 10:00 AM Gallahue Hall 106

08:30 AM – Carboplatin's Effect on Toxicity After Change in Dosing

Allison Buida *Butler University*. Faculty Sponsors: David Reeves *Butler University*

08:45 AM – The Effect of Topical Analgesics on Maximum Contractile Strength

Kolton Chapman *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*

09:00 AM – Aseptic Technique Validation Among Pharmacy Students: a Multi-Center Evaluation

Brittany Lovko *Butler University*, Hannah Kuhn *Butler University*, Laura Gauntt *Butler University*. Faculty Sponsors: Angela Ockerman *Butler University*

09:15 AM – Involvement of Pharmacists with a Community Paramedicine Heart Failure Pilot Program at a Safety Net Hospital

Emily Christenberry *Butler University*, Lauren Wolf *Butler University*, Shannon Eaves *Purdue University*, Alyson Clough *Purdue University*. Faculty Sponsors: Carrie Jung *Butler University*, Todd Walroth *Butler University*

09:30 AM – Meaning of Medication and Medication Adherence in Mature African American Kinship Caregivers

Olubukola Akinwekomi *Butler University*. Faculty Sponsors: Priscilla Ryder *Butler University*

09:45 AM – Retrospective Chart Review of Venous Thromboembolism Prophylaxis Pre and Post Electronic Health Record Implementation

Natalie Schwarber *Butler University*, Alicia Dethloff *Butler University*, Joseph Tucker *Butler University*, Katherine Kielts *Butler University*. Faculty Sponsors: David Reeves *Butler University*, Lindsay Saum *Butler University*

Pharmacy/Health Sciences Session 1B

Moderator: Annette McFarland

08:30 AM – 10:00 AM Pharmacy & Health Sciences 103

08:30 AM – Public Awareness of the Safety of Energy Drinks

Beverly Bortz *Butler University*. Faculty Sponsors: Annette McFarland *Butler University*

08:45 AM – “Play Spent” – An Online Poverty Simulation and its Influence on Butler University College of Pre-Pharmacy Students’ Attitudes Toward the Underserved Population

Rachael Fleury *Butler University*, Stephanie Samuels *Butler University*. Faculty Sponsors: Carriann Smith *Butler University*

09:00 AM – Adherence to Stroke Clinical Practice Guidelines for Acute Stroke Management at IU Methodist Hospital

Lauren Verner *Butler University*, Katie Gordon *Butler University*. Faculty Sponsors: Kevin Tuohy *Butler University*

09:15 AM – Assessing the Pharmacist's Role in a Post-Discharge Clinic

Gary Bunker *Butler University*, Matt Heinsen *Butler University*, Shawn Ferguson *Butler University*. Faculty Sponsors: Alison Walton *Butler University*, Jessica Wilhoite *Butler University*

09:30 AM – Effects of Aging and Activity on the Hamstring: Quadriceps Ratio

Elyse Weddle *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

09:45 AM – Going for the GOLD: Overcoming the Hurdles of Medication Adherence

Ka Yang *Butler University*, Melissa Thomas *Butler University*, Erin Coffman *Butler University*. Faculty Sponsors: Annette McFarland *Butler University*

Pharmacy/Health Sciences Session 1C

Moderator: Jeanne VanTyle

08:30 AM – 10:00 AM Pharmacy & Health Sciences 150

08:30 AM – A Health Education Program for an Underserved, Diabetic Population in Order to Improve Health Knowledge—A Feasibility Study

Rachel Pendry *Butler University*. Faculty Sponsors: Jeanne VanTyle *Butler University*

08:45 AM – Assessment of Weight Loss Tools Available Online

Eric Garst *Butler University*, Brad Kuhns *Butler University*, Will Armstrong *Butler University*, Austin Weaver *Butler University*. Faculty Sponsors: Carrie Maffeo *Butler University*

09:00 AM – Evaluation of the Safety of Probiotic Use in Transplant Recipients

Judy Motanya *Butler University*. Faculty Sponsors: Jane Gervasio *Butler University*

09:15 AM – Development of Interprofessional Learning Experiences Among Pharmacy and Physician Assistant Students on Clinical Rotations

Jenna Melton *Butler University*. Faculty Sponsors: Julie Koehler *Butler University*

09:30 AM – The Effects of Lifestyle Intervention, Self-Efficacy, and Supervision on an Individual with Type 2 Diabetes.

Samantha Peterman *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

09:45 AM – Familial Precocious Puberty: Case Reports and Literature Review

Annie Strahla *Butler University*. Faculty Sponsors: Jeanne VanTyle *Butler University*

Pharmacy/Health Sciences Session 1D

Moderator: Tracy Sprunger

08:30 AM – 10:00 AM Pharmacy & Health Sciences 156

08:30 AM – Effect of Generation Rx Programming on Knowledge and Attitudes Surrounding Prescription Drug Misuse Among Butler Students

Katie Jane Blum *Butler University*, Andrew Gonzales *Butler University*, Kelly Kyrouac *Butler University*, Sora Lyu *Butler University*. Faculty Sponsors: Tracy Sprunger *Butler University*, Samuel Gurevitz *Butler University*

08:45 AM – A Comparison of the Safety and Efficacy of P2Y12 Inhibitors in Patients Undergoing Percutaneous Coronary Intervention: A Retrospective Chart Review

Jessica Wilimczyk *Butler University*, Adam Romesser *Butler University*, Jacob Mankin *Butler University*, Claire McCarthy *Butler University*. Faculty Sponsors: Alex Ansara *Butler University*

09:00 AM – The Impact of Health Literacy Level in Patients with Chronic Obstructive Pulmonary Disease

Laura Flynn *Butler University*. Faculty Sponsors: Tracy Costello *Butler University*

09:15 AM – Acute Effects of Static, Dynamic, and PNF Stretching on Standing Long Jump and Agility

Chloe Hutchinson *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

09:30 AM – Prescription Stimulant Use at Butler University

Rachel Pritchett *Butler University*, Brianna Patton *Butler University*, Melissa Bradbury *Butler University*. Faculty Sponsors: Amy Peak *Butler University*

09:45 AM – Safety Outcomes in Children Receiving Vancomycin Therapy

Allison Gritzman *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

Pharmacy/Health Sciences Session 1E

Moderator: Kim Beck

08:30 AM – 10:00 AM Pharmacy & Health Sciences 204

08:30 AM – Evaluation of Nutrition Education in Colleges of Pharmacy in the U.S.

Cierra Coffman *Butler University*. Faculty Sponsors: Jane Gervasio *Butler University*

08:45 AM – A Comparison of the Safety and Efficacy of P2Y12 Inhibitors in Patients Undergoing Percutaneous Coronary Intervention: A Retrospective Chart Review

Jessica Wilimczyk *Butler University*, Adam Romesser *Butler University*, Jacob Mankin *Butler University*, Claire McCarthy *Butler University*. Faculty Sponsors: Alex Ansara *Butler University*

09:00 AM – Colon Cancer Prevention Education and Development of Updated Educational Materials for Patient Personal Health Portfolios

Laura Weatherford *Butler University*, Amanda Miller *Butler University*, Jessie O'Neal *Butler University*. Faculty Sponsors: Carrie Maffeo *Butler University*, Michelle Piel *Butler University*

09:15 AM – Effect of a Third-Party Observer on Perceived Exertion and Work Output

Andrew Ridner *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*

09:30 AM – The Search for Small-Molecule Inhibitors of HSF: A Novel Cell-Based Assay for Use in High-Throughput Screens

Ivan Dixon *Butler University*. Faculty Sponsors: Andrew Erkin *Butler University*

09:45 AM – Safe Switch Initiative: Medication Safety Focusing on Therapeutic Interchange in Ambulatory Care

Tara Haworth *Butler University*, Lauren Pijut *Butler University*. Faculty Sponsors: Alison Walton *Butler University*, Amanda Place *Butler University*

Pharmacy/Health Sciences Session 1F

Moderator: Jarrett Amsden

08:30 AM – 10:00 AM Pharmacy & Health Sciences 205

08:30 AM – Comparative Outcomes of *C. difficile* Infected Patients with NAP1 vs. Non-NAP1 strains

Benjamin Cottongim *Butler University*. Faculty Sponsors: Jarrett Amsden *Butler University*

08:45 AM – Evaluation of the Safety and Efficacy of the New Oral Anticoagulants versus Warfarin in Patients Getting an AV Node Ablation

Veronica Ma *Butler University*, Jacob Danks *Butler University*. Faculty Sponsors: Alex Ansara *Butler University*

09:00 AM – Grip Strength and Sports Performance

Paige Byers *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

09:15 AM – Pharmacist's Guide to Medication Toxicity in Animals

Maria Jansen *Butler University*, Sarah Luigs *Butler University*. Faculty Sponsors: Stephanie Enz *Butler University*

09:30 AM – An Evaluation of Fidaxomicin Use in a Community Health System

Sarah Boyd *Butler University*. Faculty Sponsors: Jarrett Amsden *Butler University*

09:45 AM – Cross Education: Transfer from the Non-Dominant to Dominant Homologous Muscles

Kevin Daeger *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*

Pharmacy/Health Sciences Session 1G

Moderator: Kena Lanham

08:30 AM – 10:00 AM Pharmacy & Health Sciences 212

08:30 AM – Additional Certification Programs Incorporated into the Pharmacy Curriculum

Caitlin Thomas *Butler University*. Faculty Sponsors: Trish Devine *Butler University*

08:45 AM – Evaluation of Assisted Living Facilities and the Role of a Consultant Pharmacist in Midwestern States

Tiffany McDonald *Butler University*. Faculty Sponsors: Laurie Pylitt *Butler University*

09:00 AM – Butler University Student Attitudes Toward People in Poverty: Effectiveness of an Online Simulation with Lecture for Changing Student Attitudes Towards People in Poverty

Victor Navarro *Butler University*, Nicholas Meyers *Butler University*, Evan Keller *Butler University*. Faculty Sponsors: Carriann Smith *Butler University*

09:15 AM – Effect of a Personalized Diabetes Action Plan in Patients with Elevated Hemoglobin A1cs

Matthew Olson *Butler University*. Faculty Sponsors: Deborah Zeitlin *Butler University*

09:30 AM – Effect of Physician-Patient Relationship and Adherence in Hypertension Patients

Jessa Manning *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

09:45 AM – Eptifibatide in Acute Coronary Syndrome

Brooke Stevens *Butler University*, Erica Dugdale *Butler University*. Faculty Sponsors: Kena Lanham *Butler University*

Pharmacy/Health Sciences Session 2A

Moderator: Meghan Bodenber

10:15 AM – 11:45 AM Gallahue Hall 106

10:15 AM – Retrospective Chart Review of Venous Thromboembolism Prophylaxis Pre and Post Electronic Health Record Implementation

Natalie Schwarber *Butler University*, Alicia Dethloff *Butler University*, Joseph Tucker *Butler University*, Katherine Kielts *Butler University*. Faculty Sponsors: David Reeves *Butler University*, Lindsay Saum *Butler University*

10:30 AM – Achievement of Desired Peak to MIC Ratios in Pediatric Aminoglycoside Dosing Regimens in Children: a Retrospective Cohort Study

Jennifer Tassell *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

10:45 AM – The Effect of Cold Versus Hot Water Immersion on Lower Extremity Balance

Kelsey Wagner *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*, Molly Winke *Hanover College*

11:00 AM – Development and Assessment of a Medicinal Chemistry Ancillary Workbook for the RX318: Introduction to Principles of Drug Action Course

Selma Mitiche *Butler University*. Faculty Sponsors: Kimberly Beck *Butler University*

11:15 AM – That's Not My Medicine!

Chelsea Hutchison *Butler University*. Faculty Sponsors: Dennis Gardner *Butler University*

11:30 AM – Testing the Effects of “Blind” Weight Lifting on Collegiate Football Players

Matt McConnell *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

Pharmacy/Health Sciences Session 2B

Moderator: Jarrett Amsden

10:15 AM – 12:00 PM Pharmacy & Health Sciences 103

10:15 AM – Retrospective Comparative Cohort of Concomitant Piperacillin-Tazobactam and Vancomycin Use in Acute Kidney Injury

Sarah Cocke *Butler University*, Jessica Tyson *Butler University*. Faculty Sponsors: Jarrett Amsden *Butler University*, Kelsey Lyon *Butler University*

10:30 AM – Snappy FACTs

Sarah Cox *Butler University*, Emily Gillman *Butler University*. Faculty Sponsors: Jane Gervasio *Butler University*

10:45 AM – Assessing Pharmacists' Knowledge and Perception on the Safety and Efficacy of Medication Use During Lactation

Courtney Morse *Butler University*, Kelly Saha *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*

11:00 AM – Butler University Pharmacy Immersion Camp 2013

Linh Nguyen *Butler University*, Sara Wright *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*

11:15 AM – Development of an Asthma Care Clinic for Underserved Patients

Germaine Williams *Butler University*. Faculty Sponsors: Jeanne VanTyle *Butler University*

11:30 AM – Impact of Barcode Scanning on Safety in the Centralized Breast Milk Lab

Andrew Teare *Butler University*. Faculty Sponsors: Jane Gervasio *Butler University*

Pharmacy/Health Sciences Session 2C

Moderator: Cathy Ramey

10:15 AM – 12:00 PM Pharmacy & Health Sciences 150

10:15 AM – Nafcillin Continuous Infusion Versus Intermittent Infusion Therapy in Pediatric Patients

Lindsey House *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

10:30 AM – Determining an Initial Dosing Recommendation for Vancomycin in Obese Patients

Lauren Haberkorn *Butler University*, Jacob Latham *Butler University*, Andrew Houck *Butler University*, Meagan Doolin *Butler University*. Faculty Sponsors: Kendra Atkinson *Butler University*

10:45 AM – Evaluation of Sensory Impairment Activities in the Pharmacy Curriculum

Ashley Holmes *Butler University*. Faculty Sponsors: Cathy Ramey *Butler University*

11:00 AM – Preconception Health: Do Women Receive Care Too Late?

Katelyn Felt *Butler University*, Allison Bresler *Butler University*. Faculty Sponsors: Jeanne VanTyle *Butler University*

11:15 AM – Evaluation of Student Responses to a Hypoglycemic Event During the Diabetes Simulation at Butler University

Colleen Sayer *Butler University*. Faculty Sponsors: Cathy Ramey *Butler University*

11:30 AM – Impact of a Periodized Resistance Training Program on Salivary Testosterone Levels in a Male with Moderate Chronic Obstructive Pulmonary Disease (COPD)

Aaron Kuzel *Bellarmino University*. Faculty Sponsors: Mark Kaelin *Bellarmino University*

Pharmacy/Health Sciences Session 2D

Moderator: Carrie Maffeo

10:15 AM – 12:00 PM Pharmacy & Health Sciences 156

10:15 AM – Effect of Generation Rx Programming on Knowledge and Attitudes Surrounding Prescription Drug Misuse Among Butler Students

Katie Jane Blum *Butler University*, Andrew Gonzales *Butler University*, Kelly Kyrouac *Butler University*, Sora Lyu *Butler University*. Faculty Sponsors: Tracy Sprunger *Butler University*, Samuel Gurevitz *Butler University*

10:30 AM – A Study of Differences in Exam Preparation of Butler University Pre-Professional and Professional Pharmacy Students

Mit Patel *Butler University*. Faculty Sponsors: Laurie Pylitt *Butler University*

10:45 AM – Long-Term Safety Outcomes in Pediatric Patients with Early Acute Kidney Injury After Vancomycin Treatment

Samantha Christie *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

11:00 AM – Assessment of Weight Loss Tools Available Online

Eric Garst *Butler University*, Brad Kuhns *Butler University*, Will Armstrong *Butler University*, Austin Weaver *Butler University*. Faculty Sponsors: Carrie Maffeo *Butler University*

11:15 AM – The Effect of Color Stimuli on Physical Performance

Kathleen Brinegar *Hanover College*. Faculty Sponsors: Molly Winke *Hanover College*

11:30 AM – Determining an Initial Dosing Recommendation for Vancomycin in Obese Patients

Lauren Haberkorn *Butler University*, Jacob Latham *Butler University*, Andrew Houck *Butler University*, Meagan Doolin *Butler University*. Faculty Sponsors: Kendra Atkinson *Butler University*

Pharmacy/Health Sciences Session 2E

Moderator: Alex Isaacs

10:15 AM – 12:00 PM Pharmacy & Health Sciences 204

10:15 AM – Utilization of Web-Based Modules Prior to Ambulatory Care Advanced Pharmacy Practice Experiences

Rebecca Taylor *Butler University*, Bethany Peshel *Butler University*. Faculty Sponsors: Alex Isaacs *Butler University*, Alison Walton *Butler University*

10:30 AM – A National Survey of Antimicrobial Dosing Strategies at Pediatric Institutions

Bonnie Kaminsky *Butler University*, Jaclyn Hubbard *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

10:45 AM – Appropriate Use of Bivalirudin in Catheterization Procedures

Kristin Howard *Butler University*. Faculty Sponsors: Kena Lanham *Butler University*

11:00 AM – Correlation of Treatment Dose Enoxaparin with Anti-Xa Concentrations In Adult Hemodialysis Inpatients

Miroslav Anguelov *Butler University*, Paul Brumley *Butler University*, Jason Hecht *Butler University*. Faculty Sponsors: Dane Shiltz *Butler University*

11:15 AM – Globalization and Human Infectious Disease

Jocelyne Hanquier *Marian University*. Faculty Sponsors: Pierre Atlas *Marian University*

11:30 AM – The Effect of Body Composition, Strength, and Fitness on Glucose Clearance
Ethan Waltz *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*

Pharmacy/Health Sciences Session 2F

Moderator: Sheel Patel

10:15 AM – 12:00 PM Pharmacy & Health Sciences 205

10:15 AM – Assessing Learning Styles of Pharmacy Students Using the VARK Questionnaire

Blaire Bell *Butler University*, Joshua Koch *Butler University*, Brandon Green *Butler University*. Faculty Sponsors: Sheel Patel *Butler University*

10:30 AM – Stimulation of ERK Phosphorylation by Isoproterenol and Select β -Blockers at the β -2 Adrenergic Receptor is Dependent on Receptor Internalization

Nathan Watson *Butler University*. Faculty Sponsors: Medhane Cumbay *Butler University*

10:45 AM – Impact of Pharmacist Assessment of Influenza and Pneumococcal Vaccination Status with Intervention on Vaccination Rates for Patients Admitted to the Internal Medicine Service

Rachel Weber *Butler University*, Kathryn Hauenstein *Butler University*. Faculty Sponsors: Carrie Jung *Butler University*

11:00 AM – Medication Therapy Management: Congestive Heart Failure

Brooke Watson *Butler University*. Faculty Sponsors: Joseph Jordan *Butler University*

11:15 AM – Role of Simulation in Changing Students' Attitudes and Approaches to Poverty

Brandon Selvia *Butler University*. Faculty Sponsors: Carriann Smith *Butler University*

Pharmacy/Health Sciences Session 2G

Moderator: Darin Ramsey

10:15 AM – 12:00 PM Pharmacy & Health Sciences 212

10:15 AM – Assessment of Knowledge and Perceptions of Prescription and Over-the-Counter Drug Use and Safety Among Indiana Elementary School Students and Parents

Cathryn Williamson *Butler University*, Maggie Criss *Butler University*, MyLe Dao *Butler University*, Alicia Wojciechowski *Butler University*. Faculty Sponsors: Darin Ramsey *Butler University*

10:30 AM – Evaluation of an Interactive Puzzle-Based Approach to Reinforcing Steroid Structure-Activity Relationships

Christian Krenk *Butler University*. Faculty Sponsors: Kimberly Beck *Butler University*

10:45 AM – Assessment of Knowledge and Perceptions of Prescription and Over-the-Counter Drug Use and Safety Among Indiana Elementary School Students and Parents

Cathryn Williamson *Butler University*, Maggie Criss *Butler University*, MyLe Dao *Butler University*, Alicia Wojciechowski *Butler University*. Faculty Sponsors: Darin Ramsey *Butler University*

11:00 AM – The Impact of Exercise on Glucose Clearance

Antonio Ehrlich *Hanover College*. Faculty Sponsors: Bryant Stamford *Hanover College*

11:15 AM – Assessment of Prescription Stimulant Abuse in Medical School Students

Jared Stratman *Butler University*, Daniel Zinn *Butler University*. Faculty Sponsors: Darin Ramsey *Butler University*

11:30 AM – Creation and Initial Implementation of a Pharmacy Inventory Management System for Free Clinics

Troy Gulden *Butler University*, Josiah Smith *Butler University*. Faculty Sponsors: Jeanne VanTyle *Butler University*

PHILOSOPHY AND RELIGION

Philosophy and Religion Session 1

Moderator: Tiberiu Popa

09:30 AM – 10:30 AM Jordan Hall 340

09:30 AM – Window on Eternity: A Study in the Unique Characteristics of Orthodox Christian Iconography

Moira Frazier *Butler University*. Faculty Sponsors: Paul Valliere *Butler University*

09:45 AM – Killing God (An Exploration of the Presence and Role of God During the Holocaust)

Ryan Eller *Butler University*. Faculty Sponsors: Brent Hege *Butler University*

10:00 AM – Theology in a Silent World

Emma Engdahl *Butler University*. Faculty Sponsors: Brent Hege *Butler University*

10:15 AM – War Insurance: A New Concept in the Ethics of Warfare

Maddison Harner *Millikin University*. Faculty Sponsors: Eric Roark *Millikin University*

PHYSICS, MATHEMATICS & COMPUTER SCIENCE

Physics, Mathematics & Computer Science Session 1

Moderator: Rebecca Wahl

09:30 AM – 10:30 AM Gallahue Hall 348

09:30 AM – Generalized Mandelbrot Sets

Aaron Schlenker *Butler University*. Faculty Sponsors: Bill Johnston *Butler University*

09:45 AM – Implementation of Near-Optimal Online Multiselection

James Martin *Butler University*. Faculty Sponsors: Ankur Gupta *Butler University*

10:00 AM – Lyapunov's Direct Method for Non-strict Minima

Alec Hamaker *Hanover College*. Faculty Sponsors: Leonidas Pantelidis *Hanover College*

10:15 AM – Immigration Can Destabilize Tri-Trophic Interactions: Implications for Conservation of Top Predators

Jesse Suter *Bethel College*. Faculty Sponsors: Kevin Drury *Bethel College*

Physics, Mathematics & Computer Science Session 2

Moderator: Xianming Han

10:45 AM – 12:00 PM Gallahue Hall 348

10:45 AM – Searching for Variable Stars in Globular Star Clusters

John Vondersaar *Butler University*. Faculty Sponsors: Brian Murphy *Butler University*

11:00 AM – Characterization of MDM Optical Filters Using Ellipsometry

Christopher Gewirtz *Rose-Hulman Institute of Technology*. Faculty Sponsors: Maarij Syed *Rose-Hulman Institute of Technology*

11:15 AM – Using Top Quark Decay to Search for New Physics

Jordan Melendez *Taylor University*, Samuel Judge *Taylor University*. Faculty Sponsors: Ken Kiers *Taylor University*

11:30 AM – Particle Detection using Photomultipliers and Plastic Scintillators

Emily Ehlerding *Manchester University*. Faculty Sponsors: Christer Watson *Manchester University*, Henry Frisch *University of Chicago*

11:45 AM – The Extraordinary Features and Capabilities of Metamaterials

Dewan Woods *Boston College*. Faculty Sponsors: Willie Padilla *Boston College*

Physics, Mathematics & Computer Science Session 3

Moderator: Gonzalo Ordonez

01:00 PM – 03:00 PM Gallahue Hall 348

01:00 PM – Quantum Searches of Fitness Landscapes

Samuel Smith *Butler University*. Faculty Sponsors: Gonzalo Ordonez *Butler University*

01:15 PM – Analyzing Nanoparticle Magnetization with a Novel Pulsed Magnetic Field Faraday Rotation Experimental Setup

Thomas Foulkes *Rose-Hulman Institute of Technology*. Faculty Sponsors: Maarij Syed *Rose-Hulman Institute of Technology*

01:30 PM – Disorder-Induced States within an Adatom-Quantum Wire System

Bradley Magnetta *Butler University*. Faculty Sponsors: Gonzalo Ordonez *Butler University*

01:45 PM – Electron-Wave Interaction in a Planar Sputtering Magnetron

Jon Drobny *Rose-Hulman Institute of Technology*. Faculty Sponsors: Scott Kirkpatrick *Rose-Hulman Institute of Technology*

02:00 PM – Interaction of Model Lipid Vesicles with Alveolar Macrophages

Robinah Maasa *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Horia Petrache *Indiana University/Purdue University at Indianapolis*

02:15 PM – Quantum Theory of Light Experiment Measuring $g_2(0)$ Values and Bell's Inequalities

Chandler Chapman *Taylor University*. Faculty Sponsors: Ken Kiers *Taylor University*

02:30 PM – Radiowave Activation of Nanoparticles for Cancer Treatment

Alla Letfullina *Rose-Hulman Institute of Technology*. Faculty Sponsors: Renat Letfullin *Rose-Hulman Institute of Technology*

02:45 PM – Wave Propagation in Crystal Lattices and N Coupled Harmonic Oscillators

Ziyi Wu *Hanover College*, Yuding Ai *Hanover College*. Faculty Sponsors: Leonidas Pantelidis *Hanover College*

POLITICAL SCIENCE

Political Science Session 1: Politics: Public policy, campaigns, & conflict in the USA and Mali

Moderator: Margaret Brabant

09:00 AM – 10:30 AM Jordan Hall 238

09:00 AM – Mali: Restoring Peace to a Peaceful Nation

Olivia Covington *Franklin College*. Faculty Sponsors: Karen Burgard *Franklin College*

09:15 AM – The Dichotomy of Fusion Energy and America's Role in the Process

Grey Harris *Ball State University*. Faculty Sponsors: Donald Gilman *Ball State University*

09:30 AM – Blowing the Whistle on Whistleblower Protection Laws

Jacqui Rogers *Millikin University*. Faculty Sponsors: Bobbi Gentry *Millikin University*

09:45 AM – Comprehensive Service Integration as a Method to Improve Indiana's Workforce

Brittanie Redd *Butler University*. Faculty Sponsors: Robin Turner *Butler University*

10:00 AM – The Evolution of American Microtargeting: An Examination of Trends in Political Messaging

Luke Bunting *Butler University*. Faculty Sponsors: Margaret Brabant *Butler University*

10:15 AM – Lockean Privacy and the Courts: An Avenue for LGBT Rights in America

Jesse Doggendorf *Saint Louis University*. Faculty Sponsors: Wynne Moskop *Saint Louis University*

PSYCHOLOGY

Psychology Session 1: Developmental I

Moderator: Robert Padgett

08:30 AM – 10:00 AM Pharmacy & Health Sciences 106A

08:30 AM – Take It But Don't Fake It: Using Self-Awareness to Reduce Fabrications on Personality Tests

Rebekah Hale *Butler University*. Faculty Sponsors: Robert Padgett *Butler University*

08:45 AM – Attachment in International Adoption

Tabitha Jones *Indiana Wesleyan University, Marion*, Laura McGarvey *Indiana Wesleyan University, Marion*, Hollie Semlow *Indiana Wesleyan University, Marion*. Faculty Sponsors: Katti Sneed *Indiana Wesleyan University, Marion*

09:00 AM – Differences in Cognitive Biases, Health Behaviors, and Hypochondriacal Tendencies in Adult Adoptees and Non-Adoptees

Kimberly Linder *Marian University*. Faculty Sponsors: Laurel Camp *Marian University*

09:15 AM – Differences in Perception of Childhood and Adult Depression Based on Parental Divorce

Molly Schoberg *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

09:30 AM – Self-Efficacy, Academic Achievement, and Homework Assistance

Megan Scherzer *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

09:45 AM – Stigma of People with Developmental Disabilities

Sarah Tanselle *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

Psychology Session 2: Health & Social I

Moderator: R. Brian Giesler

08:30 AM – 10:00 AM Pharmacy & Health Sciences 106B

08:30 AM – Affective State During Goal Adoption: Does it Matter?

Courtney Hittepole *Butler University*, Jordan Ludwig *Butler University*. Faculty Sponsors:
Raymond Giesler *Butler University*

08:45 AM – Can Mindfulness Based Stress Reduction Meditation Affect Cancer-Related Fatigue?

Paige Poure *Butler University*, Natalie Nusinow *Butler University*. Faculty Sponsors:
Raymond Giesler *Butler University*

09:00 AM – Can Snack Choice be Influenced by Non-Conscious Priming?

Rachel Soberman *Butler University*, Alessandra Rabellino *Butler University*, Miranda Stover *Butler University*. Faculty Sponsors: Raymond Giesler *Butler University*

09:15 AM – Self-Regulation in the Face of Temptation: The Impact of Religiosity

Kristen Haeberlein *Butler University*, Timothy Burks *Butler University*, Kelly Valladares *Butler University*. Faculty Sponsors: Raymond Giesler *Butler University*

09:30 AM – Effects of God Concept Primes on Prosocial Behavior after an Ego-Depletion Task

Gabrielle Tatara *Butler University*. Faculty Sponsors: Kathryn Morris *Butler University*

09:45 AM – Evaluating Agentic Female Job Candidates: The Effects of Gender and Qualification of Comparison Candidates

Sara Kern *Butler University*. Faculty Sponsors: Kathryn Morris *Butler University*

Psychology Session 3: Cognitive & Social I

Moderator: Andrew Butler

08:30 AM – 10:00 AM Pharmacy & Health Sciences 202

08:30 AM – Computer Testing in a Paper World: The Role of Encoding Specificity and Computer Self-Efficacy in Recall Accuracy

Myles Chandler *Marian University*. Faculty Sponsors: Faye Plascak-Craig *Marian University*

08:45 AM – Competition and the Effects on Interpersonal Interactions

Francisco Huerta *Wabash College*. Faculty Sponsors: Bobby Horton *Wabash College*

09:00 AM – How the Number of Competitors Moderates Performance Between Avoidant and Approach Motivated Individuals

Shane Brown *Wabash College*, James LaRowe *Wabash College*. Faculty Sponsors: Bobby Horton *Wabash College*

09:15 AM – Narcissism and the Moderating Effect on Performance and Competition

Alex Hirsch *Wabash College*. Faculty Sponsors: Bobby Horton *Wabash College*

09:30 AM – Effect of Media Bias on Jury Decision Making

Stephen Otte *Hanover College*. Faculty Sponsors: John Krantz *Hanover College*

09:45 AM – Emotional Response of Study Abroad Students Upon Reentry

Lindsey Dever *Valparaiso University*, Amanda Jonikaitis *Valparaiso University*, Maleni Angon *Valparaiso University*, Patty Carrillo *Valparaiso University*. Faculty Sponsors: Kendre Israel *Valparaiso University*

Psychology Session 4: Developmental II

Moderator: Robert Padgett

10:15 AM – 12:00 PM Pharmacy & Health Sciences 106A

10:15 AM – Adult Attachments in Kinetic Relationship Drawings

Laura Isernhagen *Hanover College*, Rachel Massie *Hanover College*. Faculty Sponsors: Ellen Altermatt *Hanover College*

10:30 AM – The Effects of Alcohol Consumption During Pregnancy: Exploring a Possible Link with Autism Spectrum Disorder

Holly Brun *Hanover College*. Faculty Sponsors: Alexis Green *Hanover College*

10:45 AM – The Influence of a Model's Gender on Children's Toy Choice

Victoria Miller *Franklin College*, Caitlyn Farris *Franklin College*, Tiana Babb *Franklin College*, Chelsey Russell *Franklin College*. Faculty Sponsors: Amy Bracken *Franklin College*

11:00 AM – Dwell Time in Preschoolers During Nonverbal Theory of Mind Tasks

Andy Walsh *Wabash College*. Faculty Sponsors: Eric Olofson *Wabash College*

11:15 AM – Maternal Mind Mindedness, a Predictor of Theory of Mind

Robert Thompson *Wabash College*. Faculty Sponsors: Eric Olofson *Wabash College*

11:30 AM – The Effects of Scaffolding on Children's Dwell Time in an Implicit False Belief Locations Task

Connor O'Rear *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

11:45 AM – Validation of Self-Paced Slide Shows as an Implicit Measure of Theory of Mind

Kenton Armbruster *Wabash College*, Patrick Marlatt *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

Psychology Session 5: Health & Social II

Moderator: R. Brian Giesler

10:15 AM – 12:00 PM Pharmacy & Health Sciences 106B

10:15 AM – Implicit Gender Stereotypes and Their Impact on Men vs Women Who Choose to Remain Child Free

Jessica Thomas *Indiana University/Purdue University at Indianapolis*, Megan Dumka *Indiana University/Purdue University at Indianapolis*, Kassi Rains *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Leslie Ashburn-Nardo *Indiana University/Purdue University at Indianapolis*

10:30 AM – Impressions of Childfree Women

Stacy Slavings *Indiana University/Purdue University at Indianapolis*, Scott Hall *Indiana University/Purdue University at Indianapolis*, Haley Kolp *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Leslie Ashburn-Nardo *Indiana University/Purdue University at Indianapolis*

10:45 AM – The Effects of Double Jeopardy in Organizations

Logan Wikoff *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors:
Leslie Ashburn-Nardo *Indiana University/Purdue University at Indianapolis*, Jane
Williams *Indiana University/Purdue University at Indianapolis*

11:00 AM – The Role of Belonging in Non-Traditional College Students' Academic Success and Psychological Well-Being

Brandon Millsbaugh *Indiana University/Purdue University at Indianapolis*. Faculty
Sponsors: Leslie Ashburn-Nardo *Indiana University/Purdue University at Indianapolis*

11:15 AM – Motivating a Healthy Lifestyle

Haley Beer *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

11:30 AM – Public v. Private: Morality and Stereotypes Concerning Homosexuality

Rene Bushman *Indiana Wesleyan University, Marion*, Jess Bruni *Indiana Wesleyan
University, Marion*, Lexie Easton *Indiana Wesleyan University, Marion*, Kelsey Conrad
Indiana Wesleyan University, Marion. Faculty Sponsors: Katti Sneed *Indiana Wesleyan
University, Marion*

11:45 AM – The Influence of Profile Name on Person Perception

CJ Haynes *Franklin College*, Brooke Burton *Franklin College*, Zach King *Franklin
College*. Faculty Sponsors: Kristin Flora *Franklin College*

Psychology Session 6: Cognitive & Social II

Moderator: Andrew Butler

10:15 AM – 12:00 PM Pharmacy & Health Sciences 202

10:15 AM – Peer vs. Expert: The Effects of Influence Source on Conformity

Nardeen Turjman *Hanover College*, Caroline Henderzahs *Hanover College*. Faculty
Sponsors: Bill Altermatt *Hanover College*

10:30 AM – Influence of Cognitive Performance on Social Rejection

Daisy Zepeda *Franklin College*, Natalie Miller *Franklin College*, Jamie Scribner *Franklin
College*. Faculty Sponsors: Amy Bracken *Franklin College*

10:45 AM – The Effect of Women's Presence on Men's Opinions of Gender Discrimination

Kayla Moss *Franklin College*, Gabe Robertson *Franklin College*. Faculty Sponsors: Amy
Bracken *Franklin College*

11:00 AM – The Effects of Singing in Groups on Perceptions

Julz Quiroz *Goshen College*, Sandrine Sandrali *Goshen College*. Faculty Sponsors:
Christine Noria *Goshen College*

11:15 AM – Memory for Specific Sounds: Modulation by Audiovisual Learning

Elizabeth Davis *Butler University*, Kelly Bryant *Butler University*. Faculty Sponsors:
Andrew Butler *Butler University*

11:30 AM – The Effects of Unisensory vs. Multisensory Stimuli on Memory for Specific Visual Details

Elizabeth Davis *Butler University*, Katie Cahill *Butler University*, Kathryn Kirkham
Butler University. Faculty Sponsors: Andrew Butler *Butler University*

Psychology Session 7: Memory I

Moderator: Tara Lineweaver

01:00 PM – 02:15 PM Pharmacy & Health Sciences 150

01:00 PM – It’s a “Draw:” Art and Puzzles Both Improve Mood in Grieving Children

Kaylin Beckwith *Butler University*, Alaina Rodriguez *Butler University*. Faculty

Sponsors: Tara Lineweaver *Butler University*

01:15 PM – I’ll Only Say This Once—Will You Remember? Young Adults’ Self-Reported Language and Memory Abilities

Addie Allen *Butler University*, Mack Reed *Butler University*. Faculty Sponsors: Tara Lineweaver *Butler University*

01:30 PM – Walking on Sunshine Versus Vivir Sin Tu Cariño: Emotional Memory in English/Spanish Bilinguals

Alix McLaughlin *Butler University*, Madison Horth *Butler University*. Faculty Sponsors: Tara Lineweaver *Butler University*

01:45 PM – Too Tired to Care: A Study on Compassion Fatigue and Self-Care among Child Family Service Facility Workers

Jenna Davitt *Indiana Wesleyan University, Marion*, Brittany Hobson *Indiana Wesleyan University, Marion*, Olivia Kaplan *Indiana Wesleyan University, Marion*, Mike Joseph *Indiana Wesleyan University, Marion*, Becca Cronk *Indiana Wesleyan University, Marion*. Faculty Sponsors: Katti Sneed *Indiana Wesleyan University, Marion*

02:00 PM – What Almost Kills You Makes Your Memory Stronger: Cancer Diagnosis Memories

Angeline Modesti *Butler University*, Renato Puga *Butler University*. Faculty Sponsors: John Bohannon III *Butler University*

Psychology Session 8: Clinical & Personality I

Moderator: Joel Martin

01:00 PM – 02:15 PM Pharmacy & Health Sciences 156

01:00 PM – Client Perception: A Comparison of Adult Sex Offender and Batterers Groups

Lindsey Griggs *Indiana Wesleyan University, Marion*, Lauren Johnson *Indiana Wesleyan University, Marion*, Jessica Girard *Indiana Wesleyan University, Marion*, Summayya James *Indiana Wesleyan University, Marion*. Faculty Sponsors: Katti Sneed *Indiana Wesleyan University, Marion*

01:15 PM – Effectiveness of Modality in Treatment at Family Service Society

Allison Musselman *Indiana Wesleyan University, Marion*, Kristen Perkins *Indiana Wesleyan University, Marion*, Kristen McLaughlin *Indiana Wesleyan University, Marion*, Tyrone Martin *Indiana Wesleyan University, Marion*. Faculty Sponsors: Katti Sneed *Indiana Wesleyan University, Marion*

01:30 PM – The Effects of a Prewriting Intervention on Test Anxiety

Louise Magiera *Manchester University*, Alivia Benbow *Manchester University*, Ashley Landrum *Manchester University*. Faculty Sponsors: Russell Coulter-Kern *Manchester University*

01:45 PM – The Effect of Expressive Writing on Social Anxiety

Kathleen Chaney *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

02:00 PM – The Relationship between an Individual’s Loneliness, Self-Esteem and Social Anxiety

James Pixey *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

Psychology Session 9: Biological & Animal Models I

Moderator: Robert Dale

01:00 PM – 02:15 PM Pharmacy & Health Sciences 202

01:00 PM – Speech Recognition and Listening Effort for Adults with Aphasia

Kristyn Stanfield *Butler University*. Faculty Sponsors: Carrie Richie *Butler University*

01:15 PM – The Effect of Lateral Temporal Gestures on Recall

Melody Stewart *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

01:30 PM – The Effect of Visual Experience with Other-Race Faces on Cross-Racial Facial Identification

Xiduo Peng *Hanover College*. Faculty Sponsors: Bill Altermatt *Hanover College*

01:45 PM – The Effects of Pet Interaction on Human Peer Interactions

Ashley Walker *Hanover College*. Faculty Sponsors: Stephen Dine Young *Hanover College*

02:00 PM – The Effects of Ethanol on Spatial Memory in cHAP Mice

Jessie Barton *Hanover College*, Kelly Bednar *Hanover College*. Faculty Sponsors: Alexis Green *Hanover College*

Psychology Session 10: Positive & Industrial-Organizational I

Moderator: Alison O'Malley

01:00 PM – 02:15 PM Pharmacy & Health Sciences 204

01:00 PM – Gratitude Intervention EMA/I

Ellen Steinke *Indiana Wesleyan University, Marion*, Amy Sloan *Indiana Wesleyan University, Marion*. Faculty Sponsors: Jason Runyan *Indiana Wesleyan University, Marion*

01:15 PM – Beyond Task Performance: What Predicts Counterproductive Workplace Behavior and Organizational Citizenship Behavior Across University Members?

Alaina Rodriguez *Butler University*. Faculty Sponsors: Alison O'Malley *Butler University*

01:30 PM – Ecological Momentary Gratitude Intervention Produces Immediate Mood Effects

Emily Ragsdale *Indiana Wesleyan University, Marion*, Sarah Ringenberg *Indiana Wesleyan University, Marion*. Faculty Sponsors: Jason Runyan *Indiana Wesleyan University, Marion*, Tim Steenbergh *Indiana Wesleyan University, Marion*, Doug Daugherty *Indiana Wesleyan University, Marion*

01:45 PM – Thankful for My SmartPhone: Results of an iPhone-delivered Gratitude Intervention

Hannah Woodard *Indiana Wesleyan University, Marion*, Justin Ridenour *Indiana Wesleyan University, Marion*, Kelsey Evey *Indiana Wesleyan University, Marion*. Faculty Sponsors: Tim Steenbergh *Indiana Wesleyan University, Marion*

02:00 PM – Gratitude and Neuroticism are Predictors of Engagement with an Ecological Momentary Gratitude Intervention

Jonathan Shrader *Indiana Wesleyan University, Marion*, Ellen Steinke *Indiana Wesleyan University, Marion*, Carmen Kumpula *Indiana Wesleyan University, Marion*, Cassidy Deaver *Indiana Wesleyan University, Marion*. Faculty Sponsors: Jason Runyan *Indiana Wesleyan University, Marion*

Psychology Session 11: Cognitive & Social III

Moderator: Amanda Gingerich

01:00 PM – 02:15 PM Pharmacy & Health Sciences 212

01:00 PM – Employee Performance: What's Your Evaluation?

Michelle Miller *Butler University*. Faculty Sponsors: Mandy Gingerich *Butler University*

01:15 PM – Multitasking: The Impact of Divided Attention on a Reading Comprehension Task

Jordan Cutler *Franklin College*, Elizabeth Sickels *Franklin College*, Jessica Mahan *Franklin College*, Lauren Mowrey *Franklin College*. Faculty Sponsors: Amy Bracken *Franklin College*

01:30 PM – The Impact of Morality on Likelihood to Conform

Kayla Keith *Franklin College*, Ashley Borja *Franklin College*, Brooke Stamper *Franklin College*, Briana Jurrema *Franklin College*. Faculty Sponsors: Amy Bracken *Franklin College*

01:45 PM – Problem Solving with Decoding, Repurposing, and Language Tasks in College Students: A Study in Creativity Priming

Allison Krawiec *Goshen College*, Lauren Slone *Goshen College*, Madeleine Ruth *Goshen College*. Faculty Sponsors: Christine Noria *Goshen College*, Julie Reese *Goshen College*

02:00 PM – The Effects of Rivalry on Competitive Performance

Spencer Burk *Wabash College*. Faculty Sponsors: Bobby Horton *Wabash College*

Psychology Session 12: Memory I

Moderator: Tara Lineweaver

02:30 PM – 04:30 PM Pharmacy & Health Sciences 150

02:30 PM – The Effects of Tylenol in Non-Social Emotional Memory Effects

Trevor Spelman *Butler University*, Renato Puga *Butler University*. Faculty Sponsors: John Bohannon III *Butler University*

02:45 PM – “Siri, Write This Down.” Or “Where Did I Leave That Post-It Note?” Young Versus Older Adults’ Perceptions of Memory Strategies

Jacqueline Juett *Butler University*, Catherine Geanon *Butler University*. Faculty Sponsors: Tara Lineweaver *Butler University*

03:00 PM – Flex Your Mind! The Relationship Between Cognitive Flexibility and Academic Achievement in College Students With or Without ADHD

Colleen Frank *Butler University*, Erik Fromm *Butler University*. Faculty Sponsors: Tara Lineweaver *Butler University*, Suneeta Kercood *Butler University*

03:15 PM – Memory on Ice: Retrograde Enhancement of Thematic Information

Alexandra Robinson-Norris *Butler University*, Anna Sutter *Butler University*, Elizabeth McGlone *Butler University*, Ashley Asuncion *Butler University*, Kara Huster *Butler University*. Faculty Sponsors: John Bohannon III *Butler University*

03:30 PM – Remembering the One that Got Away; Tylenol Might Help!

Elizabeth McGlone *Butler University*, Karina Hamamouche *Butler University*, Emily Lauth *Butler University*, Trevor Spelman *Butler University*. Faculty Sponsors: John Bohannon III *Butler University*

03:45 PM – My Memory’s Not What It Used to Be, But It’s Still Better Than Yours: Older Adults’ Memory Self-Perceptions

Sarah McRoberts *Butler University*, Megan Fishbaugh *Butler University*. Faculty Sponsors: Tara Lineweaver *Butler University*

04:00 PM – The Effect of Sexualized Commercials on Self-Objectification

Emilee Roberts *Hanover College*, Rachel Jones *Hanover College*. Faculty Sponsors: Ellen Altermatt *Hanover College*

Psychology Session 13: Clinical & Personality II

Moderator: Joel Martin

02:30 PM – 04:30 PM Pharmacy & Health Sciences 156

02:30 PM – Interpersonal Training, Assertiveness, and Social Anxiety

Hannah Boggs *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

02:45 PM – The Relationship between Internalized Stigma and Self-Esteem in College Students with Mental Health Conditions

Kari Smalley *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

03:00 PM – Alcohol and Impulsivity

Spencer Peters *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

03:15 PM – An Investigation into the Effects of Hangover on Memory

Joel Beier *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

03:30 PM – Mental Health Stigmas and Counseling Services Utilization

Johannah Facer *Valparaiso University*, Christina Crawley *Valparaiso University*, Simone Ingram *Valparaiso University*, Caroline Odom *Valparaiso University*, Sara Watts *Valparaiso University*. Faculty Sponsors: Kendre Israel *Valparaiso University*

03:45 PM – Substance Use and Subclinical Psychosis Symptoms

Kelsey Hurm *Butler University*. Faculty Sponsors: Joel Martin *Butler University*

04:00 PM – The Big Five and Academic Performance: Exploring Associations between Neuroticism and GPA

Alicia Aldridge *Hanover College*, Amber Metalla *Hanover College*. Faculty Sponsors: Ellen Altermatt *Hanover College*

04:15 PM – The Effects of Humor and Personality on Willingness to Self-Disclose

Mathew Winters *Marian University*. Faculty Sponsors: Faye Plascak-Craig *Marian University*

Psychology Session 14: Biological & Animal Models II

Moderator: Robert Dale

02:30 PM – 04:30 PM Pharmacy & Health Sciences 202

02:30 PM – The Effects of Social Housing and Social Withdrawal on Operantly Trained Behaviors

Natalie Kent *Hanover College*, Megan McGowan *Hanover College*. Faculty Sponsors: Alexis Green *Hanover College*

02:45 PM – Can BDNF Administered to the Medial-Prefrontal Cortex of Cocaine Habituated Rats Facilitate a Return to Goal-Directed Behavior?

Joshua Stowers *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

03:00 PM – The Effects of Video Games on Stress Through Testosterone and Cortisol Activation

Fidel Ojimba *Wabash College*. Faculty Sponsors: Teresa Aubele-Futch *Wabash College*

03:15 PM – Effects of PHA-543613 on the Rodent Anterior Cingulate Cortex: a Study in Rodent Schizophrenia

Trevor Young *Wabash College*. Faculty Sponsors: Teresa Aubele-Futch *Wabash College*

03:30 PM – How Changing the Contrast of a Visual Stimulus Affects Neuronal Responses in Humans

Jacob Owens *Wabash College*. Faculty Sponsors: Karen Gunther *Wabash College*

03:45 PM – The Effects of Local Administration of Flutamide and Fulvestrant in the Right Orbitofrontal Cortex on Impulsive Decision-Making in Male Rats

Andrew Fulton *Wabash College*. Faculty Sponsors: Teresa Aubele-Futch *Wabash College*

04:00 PM – The Effects of the Serotonin Agonist Sumatriptan on Aggression in a Neutral Cage in Adult Male Rats

Nathan Bryant *Wabash College*. Faculty Sponsors: Neil Schmitzer-Torbert *Wabash College*

04:15 PM – The Impact of Estrogen on Risky Decision-Making in Female Rats

Bradley Wise *Wabash College*. Faculty Sponsors: Teresa Aubele-Futch *Wabash College*

Psychology Session 15: Positive & Industrial-Organizational II

Moderator: Alison O'Malley

02:30 PM – 04:30 PM Pharmacy & Health Sciences 204

02:30 PM – Information and Climate Change Policy Support: A Meta-Analytic Test of Self-Determination Theory

David Harting *Butler University*. Faculty Sponsors: Alison O'Malley *Butler University*

02:45 PM – Virtue and the Natural Environment: The Outcomes of Demonstrating Pro-Environmental Behaviors

Leah Gerber *Butler University*. Faculty Sponsors: Alison O'Malley *Butler University*

03:00 PM – An Analysis of the Effect of Perceived Support and Fit on the Relationship Between Organizational Cynicism and Workplace Behaviors

Chelsea Steele *Marian University*. Faculty Sponsors: David Rusbasan *Marian University*

03:15 PM – Feedback Orientation and Employee Development: Broadening the Scope

Karlee Pierce *Butler University*, Noah Share *Butler University*. Faculty Sponsors: Alison O'Malley *Butler University*

03:30 PM – Psychological Well-Being in College Students: The Roles of Social Support and Dysfunctional Coping

Chelly Neuwander *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

03:45 PM – The Ebb and Flow of Performance Feedback

Chris Thompson *Butler University*. Faculty Sponsors: Alison O'Malley *Butler University*

04:00 PM – The Effects of Positive Comments Through Social Media on Happiness
Megan Keller *Hanover College*, Bruce Thompson *Hanover College*. Faculty Sponsors:
John Krantz *Hanover College*

04:15 PM – The Relationship between Political Views and Moral Judgments
Jacob Forbes *Hanover College*. Faculty Sponsors: Bill Altermatt *Hanover College*

Psychology Session 16: Cognitive & Social IV

Moderator: Amanda Gingerich

02:30 PM – 04:30 PM Pharmacy & Health Sciences 212

02:30 PM – The Impact of Touch on Interpersonal Interactions

Angela Fleck *Hanover College*. Faculty Sponsors: Stephen Dine Young *Hanover College*

02:45 PM – The Relationship between Mimic Behavior, Personal Engagement and Anxiety

Lilian Tucker *Hanover College*. Faculty Sponsors: Stephen Dine Young *Hanover College*

03:00 PM – Verbal Overshadowing Effect in Eyewitness Testimony: Does it Matter Whose Voice is Verbalized?

Jack Buckley *Butler University*. Faculty Sponsors: Mandy Gingerich *Butler University*

03:15 PM – Peer Mentors and the College Experience

Christopher Benjamin *Anderson University*. Faculty Sponsors: Laura Stull *Anderson University*

03:30 PM – Prominent Stressors among Each of the Four Class Standings at Manchester University

Hannah Glenn *Manchester University*. Faculty Sponsors: Marcie Coulter-Kern *Manchester University*

03:45 PM – The Influence of Mood on Feeling of Knowing: Would You Like Some TOTS With That?

Lindsay Higginbotham *Butler University*, Daniel Evans *Butler University*. Faculty Sponsors: Mandy Gingerich *Butler University*

04:00 PM – The Main Classroom Stressors of College Students

Kailah Glock *Manchester University*. Faculty Sponsors: Marcie Coulter-Kern *Manchester University*

04:15 PM – Top 10 Events that Detract from Students' Overall College Experience

Kyle Knepp *Manchester University*, Joseph Hunter *Manchester University*. Faculty Sponsors: Marcie Coulter-Kern *Manchester University*

SOCIOLOGY

Sociology Session 1: Students' Lifeworld

Moderator: Dr. Katherine Novak

08:30 AM – 10:30 AM Jordan Hall 201

08:30 AM – College Students' Knowledge of Domestic Violence

Elizabeth Durland *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

08:45 AM – Examining the Relationship between College Students’ Drinking and Cheating and Academic Performance

Darrell McClarin *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:00 AM – The Effects of Social Relations and Place Attachment on College Students Academic Motivation

Aaron Breidert *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:15 AM – Understanding College Student’s Perceptions of Cuba: Is Knowledge of the Cuban Missile Crisis Relevant?

Katherine Memsic *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:30 AM – Role Overload and Prescription Stimulant Use among College Students

Haley Cook *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:45 AM – The Effect of Exercise Identity on Levels of Depression among College Students

Phillip Powell *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

10:00 AM – The Effect of Greek Society Chapter Involvement on Academic Achievement

Alex Buchman *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

10:15 AM – Does Religion Have an Effect on Drug Use Among College Students?

Mitchell Markel *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

Sociology Session 2: Social Interactions

Moderator: Dr. Marvin Scott

08:30 AM – 10:30 AM Jordan Hall 203

08:30 AM – Customer Explanations of Tipping Behavior and the Relationship between Customer Characteristics and Tip

Nicholas Willits *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

08:45 AM – Perception of Social Status and Impact of Alien Immigrants in the United States

Zachary Hembree *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:00 AM – Religion’s Effect on the Need to Belong and Body Image in Adolescent Girls

Madison Teskey *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:15 AM – The Education Equation: Gifted, Talented, and Tracked

Maggie Smith *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:30 AM – The Effect of the Parent-Child Relationship on Delinquency

Julia Harris *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

09:45 AM – The Perpetuation of Graffiti Art Subculture in American Society

Camille Lannert *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

10:00 AM – The Newtown Community’s Reaction to the Unconscionable Tragedy on 12/14

Ellen Tabler *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

10:15 AM – Understanding the Relationship between Involvement in Student Organizations and Motivation to Volunteer During the College Years

Alex Pittard *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

Sociology Session 3: The Difference and the Norm

Moderator: Dr. Krista Cline

10:45 AM – 12:30 PM Jordan Hall 201

10:45 AM – “Acting White;” A Transformation of Animosity to Admiration in Black Peer Groups

Angel Mills *Howard University*. Faculty Sponsors: Kehbuma Langmia *Howard University*

11:00 AM – Factors Associated with Students' Motivation to Participate in Social Smoking and to Identify as a Social Smoker

Samantha Selden *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

11:15 AM – Gendered Role Portrayal and Marvel Superheros

Addam Wade *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

11:30 AM – The Ethic of Care: How We View Moral and Ethical Virtues Between Genders

Daniel Oepkes *Butler University*. Faculty Sponsors: Richard McGowan *Butler University*

11:45 AM – The Influence of Peers and Non-Peers on Adolescent Postsecondary Education Plans

Abigail Miller *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

12:00 PM – Student and Faculty Perceptions of Conceal Carry Law on Campus

Justin Rullman *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

12:15 PM – Through Their Eyes: How Do Burmese Residents In Indianapolis Perceive the Criminal Justice System?

Sociology Session 4: Media and Society

Moderator: Dr. Kenneth Colburn

10:45 AM – 12:30 PM Jordan Hall 203

10:45 AM – Effects of News Station Political Affiliation on Individuals' Views of Violent Crime in America

Jessika Denny *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

11:00 AM – The Space between Human and Machine in Film

Gregory Maher *Valparaiso University*. Faculty Sponsors: David Western *Valparaiso University*

11:15 AM – An Exploration of Relationships in Female Prisons- Content Analysis from the Original TV Series "Orange Is the New Black"

Megan Oskins *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

11:30 AM – Does Spongebob Squarepants Promote Homosexuality?

Gregory Leist *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

11:45 AM – Video Game Addiction

Sam Hellinger *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

12:00 PM – Facebook Addiction

Megan Gibson *Bellarmino University*. Faculty Sponsors: Curt Bergstrand *Bellarmino University*

Drake Spears *Butler University*. Faculty Sponsors: Katherine Novak *Butler University*

ART EXHIBITION

8:30-A.M.-9:30 A.M. IRWIN LIBRARY

I Spy

Ashleigh Schneckenberger *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

Metathesiophobia

Taylor Sitorius *Butler University*. Faculty Sponsors: Elizabeth Mix *Butler University*

Peering In

Amber Mills *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

Pieces

Morgan McFarland *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

Seeing Thru the Stigma

Kaylin Beckwith *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

Tiny Snippets: A Series of Relational Artworks

Olivia Toriumi *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

Through the Eyes of Imagination

Erin Drennan *Butler University*. Faculty Sponsors: Steve Nyktas *Butler University*

POSTER PRESENTATIONS

SESSION 1

8:30-A.M.-9:30 A.M. IRWIN LIBRARY

IRWIN LIBRARY LOWER LEVEL

BIOLOGY & SUSTAINABILITY

Gene Expression During Systemic Acquired Resistance in the Moss *Amblystegium serpens*

Blaine Harlan *Butler University*. Faculty Sponsors: Nat Hauck *Butler University*

Expanding Distribution into the Midwest by the Lone Star Tick is Facilitated by Recognizing Excreta of Previously Established Ticks

Leighanne Main *Wittenberg University*, Blake Nelson *Wittenberg University*, Brent Whitehead *Wittenberg University*, Andrew Jajack *Wittenberg University*, Andrew Rosselot *Wittenberg University*. Faculty Sponsors: Jay Yoder *Wittenberg University*

Lunar Phobia in Temperate Vespertilionid Bats: Modeling Moonlight's Impact on Bat Activity

Aaron Cross *Ball State University*. Faculty Sponsors: Timothy Carter *Ball State University*

Spermatid Ultrastructure within the Testis of the Softshell Turtle, *Apalone mutica*

Michelle Brumm *Wittenberg University*. Faculty Sponsors: Kevin Gribbins *Wittenberg University*

Investigation of the Expression and Localization of the Receptor FSHR-1 in *C. elegans* Neurons

Kyle Cherry *Butler University*. Faculty Sponsors: Jennifer Kowalski *Butler University*

Uptake and Distribution of Cu, Pb, and Zn in Dandelions (*Taraxacum officinale*; Asteraceae) Sampled from Polluted and Non-Polluted Soils

Mallory Dameron *Wittenberg University*, Sarah Boughter *Wittenberg University*. Faculty Sponsors: Matthew Collier *Wittenberg University*, Kevin Gribbins *Wittenberg University*

The Development of a Novel Fluorophore-Based Method to Investigate Regulatory Neuronal Proteins in *Caenorhabditis elegans*

Shataakshi Dube *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*, Jennifer Kowalski *Butler University*

Three-Dimensional Analyses of Craniofacial and Oronasal Phenotypes in Ts65Dn Down Syndrome Mice Treated with EGCG, a Dyrk1a Inhibitor.

Emily Harrington *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Randall Roper *Indiana University/Purdue University at Indianapolis*, John Starbuck *Indiana University/Purdue University at Indianapolis*

Spermatid Morphology Within the Germinal Epithelium of the Southern Bunchgrass Lizard, *Sceloporus aeneus*

Cady Gannon *Wittenberg University*, Lauren Arona *Wittenberg University*. Faculty Sponsors: Kevin Gribbins *Wittenberg University*

Role of 12-oxo-phytodienoic Acid (OPDA) in Defense Mechanism of *Mnium cuspidatum*

Robert Spiller *Butler University*. Faculty Sponsors: Philip Villani *Butler University*

Short-Term Effects of PIT Tags on Variable Kingsnakes

Maggie Ruppel *Wittenberg University*, Carrie Schmaus *Wittenberg University*, Adam Brown *Wittenberg University*. Faculty Sponsors: Richard Phillips *Wittenberg University*

Detection of *Wolbachia* in Numerous Orders of Insects in Central Indiana

Hope Seibert *Franklin College*, Eleni Mitchell *Franklin College*, Dhruv Patel *Franklin College*, Paige Reisinger *Franklin College*. Faculty Sponsors: Lawrence Mordan *Franklin College*

Tobacco Dependence Education in Accredited U.S. Dental Assisting Program Curricula

Emily Svetanoff *Butler University*. Faculty Sponsors: James Shellhaas *Butler University*

A Bioassessment of the Fish Populations in the Ohio River Near Zimmer and Beckjord

Power Plants

Margaret Waller *Thomas More College*, Jacqueline Levey *Thomas More College*, Caitlyn Lutz *Thomas More College*, Christina Miresse *Thomas More College*, Zak Reinhart *Thomas More College*, John Scheben III *Thomas More College*. Faculty Sponsors: Chris Lorentz *Thomas More College*

Spermiogenesis Within the Testicular Tissues of the Spiny Lizard, *Sceloporus grammicus*

Allison Dunn *Wittenberg University*, Keri Good *Wittenberg University*. Faculty Sponsors: Kevin Gribbins *Wittenberg University*

Analyzing the Effects of Jasmonic Acid and Chemicals in the JA Pathway on the Systemic Acquired Resistance of Moss and Pathogen Related Genes

Allison Shanks *Butler University*. Faculty Sponsors: Nat Hauck *Butler University*

Distribution Patterns of Three Invasive Plant Species in Licking County Forest Ecosystems

Monica Edgerton *Denison University*. Faculty Sponsors: Doug Spieles *Denison University*

Chalkbrood Fungal Infection as a Signal of Health-Related Problems, Poor Nutrition, and Distress in Honey Bee Colonies

Leighanne Main *Wittenberg University*, Blake Nelson *Wittenberg University*, Brent Whitehead *Wittenberg University*, Andrew Jajack *Wittenberg University*, Andrew Rosselot *Wittenberg University*. Faculty Sponsors: Jay Yoder *Wittenberg University*

Decreased Sodium Channel Expression During Spinal Cord Regeneration in Lamprey

Avalokiteswari Kurup *Earlham College*, Elizabeth Richards *Earlham College*, Anna Juras *Earlham College*, Ruth Lewis *Earlham College*, Yim Rodriguez *Earlham College*, Rebecca Claire Palmarini *Earlham College*. Faculty Sponsors: Robert Rosenberg *Earlham College*

Gunpowder and Woolper Creek Watershed Initiative

Christian Mock *Thomas More College*, Erin Rowekamp *Thomas More College*. Faculty Sponsors: Shannon Galbraith-Kent *Thomas More College*

Feeding on Different Types of Pollen Enhances Suitability for Release of the Red Mite as a Biological Control Agent Against a Variety of Plant Pests

Leighanne Main *Wittenberg University*, Blake Nelson *Wittenberg University*, Brent Whitehead *Wittenberg University*, Andrew Jajack *Wittenberg University*, Andrew Rosselot *Wittenberg University*. Faculty Sponsors: Jay Yoder *Wittenberg University*

Effects of Methionine Sulfoxide Reductase (Msr) in Drosophila

Nirthieca Suthakaran *Florida Atlantic University*. Faculty Sponsors: Dr. David Binninger *Florida Atlantic University*

Cave Crickets Have No Evidence of Carrying the Fungus That Causes White-Nose Syndrome in Bats from Small Caves in the Cumberland Plateau

Leighanne Main *Wittenberg University*, Blake Nelson *Wittenberg University*, Brent Whitehead *Wittenberg University*, Andrew Jajack *Wittenberg University*, Andrew Rosselot *Wittenberg University*. Faculty Sponsors: Jay Yoder *Wittenberg University*

3D and Active-Learning Modules in Biology Education

Nikka Abaricia *Purdue University Calumet*, Steven Dubec *Purdue University Calumet*, John Moreland *Purdue University Calumet*. Faculty Sponsors: Radmila Sarac *Purdue University Calumet*

The Effects of Epigallocatechin gallate (EGCG) on Cellular and Molecular Craniofacial Precursors

Mariyamou Diallo *Indiana University/Purdue University at Indianapolis*, Emily Haley *Indiana University/Purdue University at Indianapolis*, Danika Tumbleson *Indiana University/Purdue University at Indianapolis*. Faculty Sponsors: Randall Roper *Indiana University/Purdue University at Indianapolis*

Investigation of SYD-2 Protein as a Substrate of the Anaphase-Promoting Complex Enzyme at the C.elegans Neuromuscular Junction

Daniel Lester *Butler University*. Faculty Sponsors: Jennifer Kowalski *Butler University*

Secondary Seed Dispersal of Neotropical Tree Species

Abigail Robison *Butler University*. Faculty Sponsors: Paula Trillo *Butler University*

The Grand Canyon as an Undergraduate Geology Field Laboratory

Alexis Litz *Hanover College*. Faculty Sponsors: Ken Bevis *Hanover College*

Investigation of the Function of Mammalian Trisomy 21 Gene Dyrk1A on Neuromuscular Signaling and the Restorative Effects of Polyphenol EGCG in C. elegans

JoAnne Babula *Butler University*. Faculty Sponsors: Jennifer Kowalski *Butler University*

Assessment of Protein Expression Influenced by TAL1 in T-Cell Acute Lymphoblastic Leukemia

Luke Schmid *Ball State University*, Sarah Mahl *Ball State University*. Faculty Sponsors: James Olesen *Ball State University*

Control Measures For Reducing Amount of Allergenic Molds Carried by Seed Beetles in a Science Classroom Setting

Leighanne Main *Wittenberg University*, Blake Nelson *Wittenberg University*, Brent Whitehead *Wittenberg University*, Andrew Jajack *Wittenberg University*, Andrew Rosselot *Wittenberg University*. Faculty Sponsors: Jay Yoder *Wittenberg University*

Manipulation of Anthocyanin Production in Saponaria officinalis Using Sun Screen

Harleen Athwal *University of Indianapolis*. Faculty Sponsors: Sandra Davis *University of Indianapolis*

IRWIN LIBRARY FIRST FLOOR

BIOCHEMISTRY & MOLECULAR BIOLOGY

Serine Hydrolases in *M. smegmatis*

Braden Bassett *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*

The Role of Histone H3K79 Methylation and Histone H4 Acetylation in the *Saccharomyces cerevisiae* UV-Induced DNA Damage Response

Andrea Karl *Denison University*. Faculty Sponsors: Jeff Thompson *Denison University*

Intersubunit Mutational Effect on GIRK1 and GIRK4 Subunits

Cody Stewart *Purdue University Calumet*. Faculty Sponsors: Radmila Sarac *Purdue University Calumet*

Methods for Palmitoylation Detection in Bacteria

Arielle Russell *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*

Defective Vasoactive Intestinal Peptide Expression in Experimental Congenital Diaphragmatic Hernia: Effects on Airway Branching

Han (Eddie) Shin *University of Pittsburgh*, Julie Rhoad *University of Pittsburgh*. Faculty Sponsors: Douglas Potoka *University of Pittsburgh*

Activation of Apoptotic Proteins by Epigallocatechin-3-gallate in Human Non-Small Cell Lung Cancer Cells

Ryan Pierce *Bellarmino University*. Faculty Sponsors: Mary Huff *Bellarmino University*

Saccharomyces Cerevisiae

Heather Hansen *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*

Protein Sculptures: Bridging the Gap Between Art and Science

Evan Zelesnik *DePauw University*. Faculty Sponsors: Dan Gurnon *DePauw University*

Characterization of Enzyme Activity and Substrate Specificity of LipW, a Lipase Linked to Tuberculosis

Magy McKary *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*

Determining Concentration Levels of Inorganic Arsenic in Potatoes

Beau Ramirez *Bellarmino University*. Faculty Sponsors: Mary Huff *Bellarmino University*, Wendy Burns *Bellarmino University*

Mutagenesis and Purification of Bacterial Carboxylesterase from *Francisella tularensis*

Jessica Bun *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*

PHARMACY, HEALTH SCIENCES & EXERCISE SCIENCE

The Effects of Acute and Chronic Exercise on Cognitive Functioning

Chris Reader *Bellarmino University*, Andrew D. Selk *Bellarmino University*, Seth Sigler *Bellarmino University*. Faculty Sponsors: Christy Kane *Bellarmino University*, Paul Loprinzi *Bellarmino University*

Ready, Set, Jump: Sensation Seekers, Alcohol and GPA Within College Students

Katie Swartz *Miami University of Ohio*. Faculty Sponsors: Rose Marie Ward *Miami University of Ohio*

Examining Gender Differences in Hangover Symptoms Among College Students

Scarlett Shader *Miami University of Ohio*. Faculty Sponsors: Rose Marie Ward *Miami University of Ohio*

Paul Farmer

Lauren Haltom *Ball State University*. Faculty Sponsors: Gerry Waite *Ball State University*

Dynamics in Community Health Project Timeline

Maurine Kingori *Ball State University*. Faculty Sponsors: Clare Chatot *Ball State University*

PHYSICS, MATHEMATICS & COMPUTER SCIENCE

Star Formation as a Result of Triggering in the Region of N90

Miranda DeHart *Manchester University*. Faculty Sponsors: Christer Watson *Manchester University*

Quantum Theory of Light Experiment Measuring $g_2(0)$ Values and Bell's Inequalities

Chandler Chapman *Taylor University*. Faculty Sponsors: Ken Kiers *Taylor University*

Equilibrium Position Predictions for Fluids Education Experiment

Kris Wiedenheft *North Carolina A&T State University*, Harry Bryant *North Carolina A&T State University*, Jade Mantell *North Carolina A&T State University*, Tyler Carter *North Carolina A&T State University*, Jason Cornatzer *North Carolina A&T State University*, Scott Johnson *North Carolina A&T State University*. Faculty Sponsors: John Kizito *North Carolina A&T State University*

Triggered Star Formation in Bubble N56

Paula Rodriguez *Manchester University*. Faculty Sponsors: Christer Watson *Manchester University*

Computational Thinking and Narrative Storytelling

Alex Hoffman *Ball State University*. Faculty Sponsors: Paul Gestwicki *Ball State University*

IRWIN LIBRARY SECOND FLOOR

CHEMISTRY

Observing Possible Cobalt Oxidation State Change in 15th Century Paintings

Stephen Roberts *Butler University*. Faculty Sponsors: Stacy O'Reilly *Butler University*

Inverse Demand-Diels-Alder Reactions of 3-Formylchromones

Aaron Sullivan *Ohio Northern University*, Daniel Steigerwald *Ohio Northern University*, Olivia Johnntony *Ohio Northern University*, Ben Kasting *Ohio Northern University*

Iron-Catalyzed Synthesis of 3-Arylindoles: Annulation of Polymer Encapsulated Aryl Hydroxylamines with Alkynes

Kevin Schlenker *Hanover College*. Faculty Sponsors: Angus Lamar *Hanover College*

Development of a Green Method for the Production of Dihydropyrimidinones Through a Biginelli Reaction

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Hall, Scott	Psychology Session 5: Health & Social II
Haltom, Lauren	Poster Session 1
Hamaker, Alec	Physics, Mathematics & Computer Science Session 1
Hamamouche, Karina	Psychology Session 12: Memory I

Hamilton, Elizabeth ...	Communication & Media Studies Session 3: Narrative, Ideology, and Framing in Contemporary Politics
Hancock, Erin	Poster Session 1
Handshy, Kameron	Poster Session 2
Hanquier, Jocelyne	Pharmacy/Health Sciences Session 2E
Hansen, Heather	Poster Session 1
Hansen, Paisley	Poster Session 2
Harlan, Blaine	Biology and Sustainability Session 7: Cell and Molecular Biology III; Poster Session 1
Harner, Maddison	Philosophy and Religion Session 1
Harp, Brittany	Poster Session 2
Harrington, Emily	Poster Session 1
Harris, Grey	Biology and Sustainability Session 8: General Biology; Political Science Session 1: Politics: Public policy, campaigns, & conflict in the USA and Mali
Harris, John Albert	Music and Dance IV
Harris, Julia	Sociology Session 2: Social Interactions
Harting, David	Psychology Session 15: Positive & Industrial-Organizational II
Harvey, Lauren	Communication & Media Studies Session 3: Narrative, Ideology, and Framing in Contemporary Politics
Hastings, James	English Literature & Creative Writing Session 6: Early American Literature
Hauenstein, Kathryn	Pharmacy/Health Sciences Session 2F
Hauff, Stacey .	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective
Haworth, Tara	Pharmacy/Health Sciences Session 1E
Haynes, CJ	Psychology Session 5: Health & Social II
Heath, Cara	Poster Session 2
Hecht, Jason	Pharmacy/Health Sciences Session 2E
Heinsen, Matt	Pharmacy/Health Sciences Session 1B
Hellinger, Sam	Sociology Session 4: Media and Society
Hembree, Zachary	Sociology Session 2: Social Interactions
Henderzahs, Caroline	Psychology Session 6: Cognitive & Social II
Hendricks, Leilah-Olivia	Music and Dance IV
Hernandez, Jessica	Poster Session 2
Hesser, Jack ..	Biology and Sustainability Session 8: General Biology; Anthropology Session 2: Millennials in Vietnam: Lock and Load, Rock and Roll
Higginbotham, Lindsay	Psychology Session 16: Cognitive & Social IV
Higginbottom, Esther	Poster Session 2
Hillman, Ethan	Chemistry 2
Hirsch, Alex	Psychology Session 3: Cognitive & Social I
Hittepole, Courtney	Psychology Session 2: Health & Social I
Hobson, Brittany	Psychology Session 7: Memory I
Hoffman, Alex	Poster Session 1
Holmes, Ashley	Pharmacy/Health Sciences Session 2C
Holt, Nathaniel	Biology and Sustainability Session 7: Cell and Molecular Biology III
Hood, Andrew	Biology and Sustainability Session 8: General Biology

Hooker, Lainey	Education II
Horth, Madison	Psychology Session 7: Memory I
Hosack, Megan	Modern Languages 1
Hostetler, Elizabeth	Poster Session 2
Houck, Andrew .	Pharmacy/Health Sciences Session 2C; Pharmacy/Health Sciences Session 2D
House, Lindsey	Pharmacy/Health Sciences Session 2C
Howard, Kristin	Pharmacy/Health Sciences Session 2E
Hubbard, Jaclyn	Pharmacy/Health Sciences Session 2E
Hudak, Shawn	Communication & Media Studies Session 2: Communicative Perspectives on Gender and the Body
Huerta, Francisco	Psychology Session 3: Cognitive & Social I
Hunter, Clarissa	Communication & Media Studies Session 4: Communication and Interpersonal Relationships
Hunter, Evan	Biology and Sustainability Session 4: Cell and Molecular Biology II
Hunter, Joseph	Psychology Session 16: Cognitive & Social IV
Hurley, KaLeigh	Gender, Women & Sexuality Studies Session 1
Hurm, Kelsey	Psychology Session 13: Clinical & Personality II
Hussein, Amelia	International Studies Session 1: Civil Conflicts: Domestic and International Influences
Huster, Kara	Psychology Session 12: Memory I
Hutchinson, Chloe	Pharmacy/Health Sciences Session 1D
Hutchison, Chelsea	Pharmacy/Health Sciences Session 2A
Huyette, Noah	Anthropology Session 1: Transforming Identities in Argentina, Vietnam, Japan, and Indianapolis, Indiana
I	
Ingram, Simone	Psychology Session 13: Clinical & Personality II
Isernhagen, Laura	Psychology Session 4: Developmental II
Ispas, Grace	Poster Session 2
J	
Jajack, Andrew	Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1
James, Summayya	Psychology Session 8: Clinical & Personality I
Janetsian, Sarine	Poster Session 2
Jansen, Maria	Pharmacy/Health Sciences Session 1F
Jennings, Akeira	Poster Session 2
Johnson, Daniel	Education I
Johnson, Lauren	Psychology Session 8: Clinical & Personality I
Johnson, Scott	Poster Session 1
Johntony, Olivia	Poster Session 1
Jones, Paige	Poster Session 2
Jones, Rachel	Psychology Session 12: Memory I
Jones, Tabitha	Psychology Session 1: Developmental I
Jonikaitis, Amanda	Psychology Session 3: Cognitive & Social I
Joseph, Mike	Psychology Session 7: Memory I
Judge, Samuel	Physics, Mathematics & Computer Science Session 2

Juett, Jacqueline **Psychology Session 12: Memory I**

Juras, Anna **Poster Session 1**

Jurrema, Briana **Psychology Session 11: Cognitive & Social III; Modern Languages 2**

K

Kahlenbeck, Erika **Education II**

Kaiser, Alexis **Biology and Sustainability Session 8: General Biology**

Kaliher, Kristopher **Modern Languages 3; International Studies Session 2: Culture and State in International Relations Theory**

Kaminsky, Bonnie **Pharmacy/Health Sciences Session 2E**

Kaplan, Olivia **Psychology Session 7: Memory I**

Karl, Andrea **Poster Session 1**

Kasting, Ben **Poster Session 1**

Keith, Kayla **Psychology Session 11: Cognitive & Social III**

Keller, Evan **Pharmacy/Health Sciences Session 1G**

Keller, Megan **Psychology Session 15: Positive & Industrial-Organizational II**

Keller, Michael **Biology and Sustainability Session 6: Ecology, Evolution, Behavior III**

Kent, Natalie **Psychology Session 14: Biological & Animal Models II**

Kern, Sara **Psychology Session 2: Health & Social I**

Kielts, Katherine **Pharmacy/Health Sciences Session 1A; Pharmacy/Health Sciences Session 2A**

Kile, Emily . **English Literature & Creative Writing Session 5: Rhetoric, Film, and Trauma Literature**

Kimble, Shane **Biology and Sustainability Session 8: General Biology; Biology and Sustainability Session 8: General Biology**

King, Zach **Psychology Session 5: Health & Social II**

Kingori, Maurine **Poster Session 1**

Kingston, Garret **Biology and Sustainability Session 3: Sustainability, Urban Ecology, Environmental Studies**

Kinlow, Miah **Poster Session 2**

Kirkham, Kathryn **Psychology Session 6: Cognitive & Social II**

Kline, Elise **Poster Session 2**

Kline, Keith **Business and Economics Session 1**

Klondaris, Hanna **Biology and Sustainability Session 5: Ecology, Evolution, Behavior II**

Knepp, Kyle **Psychology Session 16: Cognitive & Social IV**

Koch, Joshua **Pharmacy/Health Sciences Session 2F**

Koelper, Becca **Poster Session 2**

Kolnik, Julie **Biology and Sustainability Session 4: Cell and Molecular Biology II**

Kolp, Haley **Psychology Session 5: Health & Social II**

Komjathy, Courtney **Biology and Sustainability Session 3: Sustainability, Urban Ecology, Environmental Studies**

Krawiec, Allison **Psychology Session 11: Cognitive & Social III**

Krenk, Christian **Pharmacy/Health Sciences Session 2G**

Krueger, Thomas **Poster Session 2**

Kuhn, Hannah **Pharmacy/Health Sciences Session 1A**

Kuhns, Brad **Pharmacy/Health Sciences Session 1C; Pharmacy/Health Sciences Session 2D**

Kumpula, Carmen **Psychology Session 10: Positive & Industrial-Organizational I**

Kurup, Avalokiteswari **Poster Session 1**

Kuzel, Aaron **Pharmacy/Health Sciences Session 2C**

Kyrouac , Kelly . **Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 2D**

L

Ladwig, Matthew **Poster Session 2**

Landrum, Ashley **Psychology Session 8: Clinical & Personality I**

Lannert, Camille **Sociology Session 2: Social Interactions**

LaRowe, James **Psychology Session 3: Cognitive & Social I**

Latham, Jacob ... **Pharmacy/Health Sciences Session 2C; Pharmacy/Health Sciences Session 2D**

Lauth, Emily **Psychology Session 12: Memory I**

Lavender-Stott, John **History and Classics Session 1: International Conflict and Cross-cultural Interaction**

Le, Khanh **Art History Session 1: History of Art and Design**

Lee, Jordan . **History and Classics Session 2: Race, Civil Rights and Religion in U.S. History**

Leist, Gregory **Sociology Session 4: Media and Society**

Lester, Daniel **Poster Session 1**

Letfullina, Alla **Physics, Mathematics & Computer Science Session 3**

Leuthner, Martha .. **Anthropology Session 1: Transforming Identities in Argentina, Vietnam, Japan, and Indianapolis, Indiana**

Levey, Jacqueline **Poster Session 1**

Lewis, Ruth **Poster Session 1**

Li, Man Chun **Biology and Sustainability Session 7: Cell and Molecular Biology III**

Linder, Kimberly **Psychology Session 1: Developmental I**

Litz, Alexis **Poster Session 1**

Livingstone, Veronica **Poster Session 1**

Lohe, Greta **History and Classics Session 2: Race, Civil Rights and Religion in U.S. History**

Lovko, Brittany **Pharmacy/Health Sciences Session 1A**

Ludwig, Jordan **Psychology Session 2: Health & Social I**

Luigs, Sarah **Pharmacy/Health Sciences Session 1F**

Lukowski, Jessica **Chemistry 3**

Lutz, Caitlyn **Poster Session 1**

Lyons, Kaley **Poster Session 2**

Lyu, Sora **Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 2D**

M

Ma, Veronica **Pharmacy/Health Sciences Session 1F**

Maasa, Robinah **Physics, Mathematics & Computer Science Session 3**

Mackey, Rebekah **Music and Dance I**

Magiera, Louise **Psychology Session 8: Clinical & Personality I**

Magnetta, Bradley **Physics, Mathematics & Computer Science Session 3**

Mahan, Jessica **Psychology Session 11: Cognitive & Social III**

Maher, Gregory . **Sociology Session 4: Media and Society; Art History Session 2: Literature, Visual Culture and Theory**

Mahl, Sarah **Poster Session 1**

Main, Leighanne **Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1**
 Malik, Ahmed **Biochemistry and Molecular Biology Session 1**
 Mankin, Jacob ... **Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 1E**
 Mann, Janice **Poster Session 2**
 Mannarino, Anna **English Literature & Creative Writing Session 2: Literature and Creative Writing**
 Manning, Jessa **Pharmacy/Health Sciences Session 1G**
 Mantell, Jade **Poster Session 1**
 Mantovano, Alberto **Music and Dance II**
 Markel, Mitchell **Sociology Session 1: Students' Lifeworld**
 Marlatt, Patrick **Psychology Session 4: Developmental II**
 Martin, James **Physics, Mathematics & Computer Science Session 1**
 Martin, Tyrone **Psychology Session 8: Clinical & Personality I**
 Masleid , Alexander **Poster Session 1**
 Massie, Rachel **Psychology Session 4: Developmental II**
 McAninch, Duana **Poster Session 2**
 McCarthy, Claire **Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 1E**
 McClarin, Darrell **Sociology Session 1: Students' Lifeworld**
 McConnell, Matt **Pharmacy/Health Sciences Session 2A**
 McCracken, Evan **Poster Session 2**
 McDillon, Grace **English Literature & Creative Writing Session 4: Drama Cornucopia**
 McDonald, Sara **Poster Session 2**
 McDonald, Tiffany **Pharmacy/Health Sciences Session 1G**
 McFarland, Morgan **Art History Session 3: Visual Art**
 McGarvey, Laura **Psychology Session 1: Developmental I**
 McGlone, Elizabeth **Psychology Session 12: Memory I; Psychology Session 12: Memory I**
 McGowan , Megan **Psychology Session 14: Biological & Animal Models II**
 McKary, Magy **Poster Session 1**
 McLaughlin, Alix **Psychology Session 7: Memory I**
 McLaughlin, Kristen **Psychology Session 8: Clinical & Personality I**
 McQuiston, Derrick **Poster Session 2**
 McRoberts, Sarah **Psychology Session 12: Memory I**
 Mead, Michael **English Literature & Creative Writing Session 4: Drama Cornucopia**
 Melendez, Jordan **Physics, Mathematics & Computer Science Session 2**
 Melton, Jenna **Pharmacy/Health Sciences Session 1C**
 Memsic, Katherine **Sociology Session 1: Students' Lifeworld**
 Metalla, Amber **Psychology Session 13: Clinical & Personality II**
 Metz, Emma **Communication & Media Studies Session 4: Communication and Interpersonal Relationships; Communication & Media Studies Session 3: Narrative, Ideology, and Framing in Contemporary Politics**
 Metzler, Matt **English Literature & Creative Writing Session 4: Drama Cornucopia**
 Meyers, Nicholas **Pharmacy/Health Sciences Session 1G**
 Miller, Abigail **Sociology Session 3: The Difference and the Norm**

Miller, Amanda	Pharmacy/Health Sciences Session 1E
Miller, Michelle	Psychology Session 11: Cognitive & Social III
Miller, Natalie	Psychology Session 6: Cognitive & Social II
Miller, Victoria	Psychology Session 4: Developmental II
Mills, Amber	Art History Session 3: Visual Art
Mills, Angel	Sociology Session 3: The Difference and the Norm
Mills, David ..	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective; History and Classics Session 3: Gods, Faith and Witches in History and Literature
Millsbaugh, Brandon	Psychology Session 5: Health & Social II
Miresse, Christina	Poster Session 1
Mitchell, Eleni	Poster Session 1
Mitiche, Selma	Pharmacy/Health Sciences Session 2A
Mock, Christian	Poster Session 1
Modesti, Angeline	Psychology Session 7: Memory I
Moreland, John	Poster Session 1
Morse, Courtney	Pharmacy/Health Sciences Session 2B
Moss, Kayla	Psychology Session 6: Cognitive & Social II
Motanya, Judy	Pharmacy/Health Sciences Session 1C
Mote, Ryan	Chemistry 2
Mowrey, Lauren	Psychology Session 11: Cognitive & Social III
Muller, Travis	Anthropology Session 1: Transforming Identities in Argentina, Vietnam, Japan, and Indianapolis, Indiana
Musselman, Allison	Psychology Session 8: Clinical & Personality I
N	
Navarro, Victor	Pharmacy/Health Sciences Session 1G
Navotnaya, Polina	Chemistry 3
Nebiolo, Molly	Poster Session 2
Nelson, Blake ..	Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1
Nelson, Quinn ..	Anthropology Session 2: Millennials in Vietnam: Lock and Load, Rock and Roll
Neuenschwander, Chelly	Psychology Session 15: Positive & Industrial-Organizational II
Neuhouser, Jeffrey	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective
Neuman, Abby	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective
Nguyen, Linh	Pharmacy/Health Sciences Session 2B
Nienhaus, Kayla	Modern Languages 3
Nikodym, Katherine	Education I
Nocera, Dana	Poster Session 2
Nusinow, Natalie	Psychology Session 2: Health & Social I
O	
Oberst, Garrett	Music and Dance II
O'Brien, Mary	Education II
O'Dell, Anna	Poster Session 2

Oden, Kelly **Music and Dance II; English Literature & Creative Writing Session 3: Film Studies**

Odom, Caroline **Psychology Session 13: Clinical & Personality II**

Oepkes, Daniel **Sociology Session 3: The Difference and the Norm**

Ojimba, Fidel **Psychology Session 14: Biological & Animal Models II**

Olson, Cassidy **English Literature & Creative Writing Session 5: Rhetoric, Film, and Trauma Literature**

Olson, Courtney **Poster Session 1**

Olson, Matthew **Pharmacy/Health Sciences Session 1G**

O'Neal, Jessie **Pharmacy/Health Sciences Session 1E**

O'Rear, Connor **Psychology Session 4: Developmental II**

Oskins, Megan **Sociology Session 4: Media and Society**

Otte, Stephen **Psychology Session 3: Cognitive & Social I**

Owen, Amanda **Modern Languages 4**

Owens, Jacob **Psychology Session 14: Biological & Animal Models II**

P

Palmarini, Rebecca Claire **Poster Session 1**

Parnell, Chase **Poster Session 2**

Parobek, Alexander **Chemistry 3**

Patel, Dhruv **Poster Session 1**

Patel, Jay **Chemistry 3**

Patel, Mit **Pharmacy/Health Sciences Session 2D**

Patterson, Tiera **Modern Languages 2**

Patton, Brianna **Pharmacy/Health Sciences Session 1D**

Paul, Ella **English Literature & Creative Writing Session 5: Rhetoric, Film, and Trauma Literature**

Pauszek, Joseph **Poster Session 2**

Payne, Kirstin **Poster Session 2**

Pendry, Rachel **Pharmacy/Health Sciences Session 1C**

Peng, Xiduo **Psychology Session 9: Biological & Animal Models I**

Pensing, Austin **Poster Session 2**

Perdew, Audrey **Poster Session 2**

Perfors, Lisa **Poster Session 2**

Perkins, Kristen **Psychology Session 8: Clinical & Personality I**

Peshel, Bethany **Pharmacy/Health Sciences Session 2E**

Peterman, Samantha **Pharmacy/Health Sciences Session 1C**

Peters, Spencer **Psychology Session 13: Clinical & Personality II**

Peterson, Patrick **Music and Dance III**

Petrilli, Rebecca **Art History Session 1: History of Art and Design**

Pfau, Hannah **Communication & Media Studies Session 1: Globalization, (Post)Racial Rhetoric, and the American Dream**

Pierce, Joshua **Poster Session 2**

Pierce, Karlee **Psychology Session 15: Positive & Industrial-Organizational II**

Pierce, Ryan **Poster Session 1**

Pieri, Katrina ... **Anthropology Session 2: Millennials in Vietnam: Lock and Load, Rock and Roll**

Pijut , Lauren	Pharmacy/Health Sciences Session 1E
Pittard, Alex	Sociology Session 2: Social Interactions
Pixey, James	Psychology Session 8: Clinical & Personality I
Plogher, Tyler	Poster Session 2
Poortenga, Jordan	Poster Session 2
Potts, Michael	Poster Session 2
Poure, Paige	Psychology Session 2: Health & Social I
Powell, Phillip	Sociology Session 1: Students' Lifeworld
Primack, Abby	Biology and Sustainability Session 8: General Biology
Pritchett, Rachel	Pharmacy/Health Sciences Session 1D
Puga, Renato	Psychology Session 7: Memory I; Psychology Session 12: Memory I
Q	
Qin, Angelina	Biology and Sustainability Session 3: Sustainability, Urban Ecology, Environmental Studies
Quintero, Zachary	Business and Economics Session 1
Quiroz, Julz	Psychology Session 6: Cognitive & Social II
R	
Rabellino, Alessandra	Psychology Session 2: Health & Social I
Rabin, Perry	Poster Session 1
Ragsdale, Emily	Psychology Session 10: Positive & Industrial-Organizational I
Rains, Kassi	Psychology Session 5: Health & Social II
Ramirez, Beau	Poster Session 1
Ramirez, Carla	Biology and Sustainability Session 2: Ecology, Evolution, Behavior I
Rankin, Melissa	Biology and Sustainability Session 1: Cell and Molecular Biology I
Rapp, Heather	Poster Session 2
Reader, Chris	Poster Session 1
Reas, David	International Studies Session 1: Civil Conflicts: Domestic and International Influences
Redd, Brittanie .	Political Science Session 1: Politics: Public policy, campaigns, & conflict in the USA and Mali
Reed, Mack	Psychology Session 7: Memory I
Reinhart, Zak	Poster Session 1
Reisinger, Paige	Poster Session 1
Revolt, Seth	Poster Session 1
Rhoad, Julie	Poster Session 1
Rhodus, Carrie	Art History Session 1: History of Art and Design
Richards, Elizabeth	Poster Session 1
Richardson, Marianne	International Studies Session 1: Civil Conflicts: Domestic and International Influences
Ridenour, Justin	Psychology Session 10: Positive & Industrial-Organizational I
Ridner, Andrew	Pharmacy/Health Sciences Session 1E
Rimstidt , Abbey	Modern Languages 4
Ringenberg, Sarah	Psychology Session 10: Positive & Industrial-Organizational I
Roberts, Emilee	Psychology Session 12: Memory I
Roberts, Stephen	Poster Session 1
Robertson, Gabe	Psychology Session 6: Cognitive & Social II

Robey, Kevin	Poster Session 2
Robinson, Jessica	Music and Dance II
Robinson-Norris, Alexandra	Psychology Session 12: Memory I
Robison, Abigail	Poster Session 2; Poster Session 1
Rodriguez, Alaina	Psychology Session 7: Memory I; Psychology Session 10: Positive & Industrial-Organizational I
Rodriguez, Paula	Poster Session 1
Rodriguez, Veronica	Poster Session 1
Rodriguez, Yim	Poster Session 1
Rogers, Jacqui ..	Political Science Session 1: Politics: Public policy, campaigns, & conflict in the USA and Mali
Rogers, Kaitlin	Biology and Sustainability Session 6: Ecology, Evolution, Behavior III
Romesser, Adam	Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 1E
Rosselot , Andrew	Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1
Rowekamp, Erin	Poster Session 1
Rowlett, Robert	Poster Session 2
Rozzo, Mike	Poster Session 1
Rullman, Justin	Sociology Session 3: The Difference and the Norm
Ruppel, Maggie	Poster Session 1
Russell, Arielle	Poster Session 1
Russell, Chelsey	Psychology Session 4: Developmental II
Russell, Samuel	Art History Session 2: Literature, Visual Culture and Theory
Ruth, Madeleine	Psychology Session 11: Cognitive & Social III
S	
Saajasto, Kegan	Business and Economics Session 1
Sabinske, Spencer ..	Anthropology Session 2: Millennials in Vietnam: Lock and Load, Rock and Roll
Saha, Kelly	Pharmacy/Health Sciences Session 2B
Samuels, Stephanie	Pharmacy/Health Sciences Session 1B
Sander, Leah	English Literature & Creative Writing Session 1: Studies in the Novel
Sandralli , Sandrine	Psychology Session 6: Cognitive & Social II
Sayer, Colleen	Pharmacy/Health Sciences Session 2C
Scheben III , John	Poster Session 1
Scherzer, Megan	Psychology Session 1: Developmental I
Schiess, Justin	History and Classics Session 3: Gods, Faith and Witches in History and Literature
Schlenker, Aaron	Physics, Mathematics & Computer Science Session 1
Schlenker, Kevin	Poster Session 1
Schmaus, Carrie	Poster Session 1
Schmid, Luke	Poster Session 1
Schneckenberger, Ashleigh	Art History Session 3: Visual Art
Schoberg, Molly	Psychology Session 1: Developmental I
Schwandt, Amelia	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective

Schwarber, Natalie	Pharmacy/Health Sciences Session 1A; Pharmacy/Health Sciences Session 2A
Schwendler, Teresa	Poster Session 2
Schwob, Jeremy	Poster Session 2
Scott, Sarah	Biology and Sustainability Session 4: Cell and Molecular Biology II
Scribner, Jamie	Psychology Session 6: Cognitive & Social II
Scupham, William	History and Classics Session 1: International Conflict and Cross-cultural Interaction
Sehr, Evanna	Biology and Sustainability Session 3: Sustainability, Urban Ecology, Environmental Studies
Seibert, Hope	Poster Session 1
Seiwert, Courtney	Communication & Media Studies Session 4: Communication and Interpersonal Relationships
Selden, Samantha	Sociology Session 3: The Difference and the Norm
Selk, Andrew D.	Poster Session 1
Selvia, Brandon	Pharmacy/Health Sciences Session 2F
Semlow, Hollie	Psychology Session 1: Developmental I
Shader, Scarlett	Poster Session 1; Poster Session 2
Shanks, Allison	Poster Session 1
Share, Noah	Psychology Session 15: Positive & Industrial-Organizational II
Shilts, Kent	Chemistry 2
Shin, Han (Eddie)	Poster Session 1
Shrader, Jonathan	Psychology Session 10: Positive & Industrial-Organizational I
Shuford, Nellie	Music and Dance III
Sickels, Elizabeth	Psychology Session 11: Cognitive & Social III
Siemer, Lee	Chemistry 1
Sigler, Seth	Poster Session 1
Silberberg, Zara	Biology and Sustainability Session 5: Ecology, Evolution, Behavior II
Sklepinski, Stacey	Poster Session 2
Slavings, Stacy	Psychology Session 5: Health & Social II
Sloan, Amy	Psychology Session 10: Positive & Industrial-Organizational I
Slone, Lauren	Psychology Session 11: Cognitive & Social III
Smalley, Kari	Psychology Session 13: Clinical & Personality II
Smith, Amelia	Modern Languages 2
Smith, Josiah	Pharmacy/Health Sciences Session 2G
Smith, Maggie	Sociology Session 2: Social Interactions
Smith, Nathan	Music and Dance III
Smith, Samuel	Physics, Mathematics & Computer Science Session 3
Snyder, Megan	English Literature & Creative Writing Session 1: Studies in the Novel
Soberman, Rachel	Psychology Session 2: Health & Social I
Sowers, Lauren	Poster Session 2
Sparks, Kelsey	Poster Session 1
Spears, Drake	Sociology Session 3: The Difference and the Norm
Spelman, Trevor	Psychology Session 12: Memory I; Psychology Session 12: Memory I
Spiller, Robert	Poster Session 1
Stamper, Brooke	Psychology Session 11: Cognitive & Social III

Stanfield, Kristyn	Psychology Session 9: Biological & Animal Models I
Stark, Lauren	Modern Languages 1
Steele, Chelsea	Psychology Session 15: Positive & Industrial-Organizational II
Steenkiste, Elizabeth	Biochemistry and Molecular Biology Session 1
Steigerwald, Daniel	Poster Session 1
Steinke, Ellen	Psychology Session 10: Positive & Industrial-Organizational I; Psychology Session 10: Positive & Industrial-Organizational I
Stephens, Michael	Biology and Sustainability Session 7: Cell and Molecular Biology III
Stevens, Brooke	Pharmacy/Health Sciences Session 1G
Stewart, Cody	Poster Session 1
Stewart, Melody	Psychology Session 9: Biological & Animal Models I
Stitt, Bree	Poster Session 2
Stover, Miranda	Psychology Session 2: Health & Social I
Stowers, Joshua	Psychology Session 14: Biological & Animal Models II
Strahla, Annie	Pharmacy/Health Sciences Session 1C
Stratman, Jared	Pharmacy/Health Sciences Session 2G
Straub, John	Poster Session 2
Stricker, Kirsten	Art History Session 2: Literature, Visual Culture and Theory
Stroud, Patrick	Modern Languages 1
Strzok, Natalie	Poster Session 2; Poster Session 2
Stuligross, Clara	Biology and Sustainability Session 2: Ecology, Evolution, Behavior I; Biology and Sustainability Session 6: Ecology, Evolution, Behavior III
Sullivan, Aaron	Poster Session 1
Sumner, Emily	English Literature & Creative Writing Session 1: Studies in the Novel
Suter, Jesse	Physics, Mathematics & Computer Science Session 1
Suthakaran, Nirthieca ..	Biology and Sustainability Session 4: Cell and Molecular Biology II; Poster Session 1
Sutter, Anna	Psychology Session 12: Memory I
Svetanoff, Emily	Poster Session 1
Swanson, Maia	History and Classics Session 3: Gods, Faith and Witches in History and Literature
Swartz, Katie	Poster Session 1
T	
Tabler, Ellen	Sociology Session 2: Social Interactions
Tanselle, Sarah	Psychology Session 1: Developmental I
Tassell, Jennifer	Pharmacy/Health Sciences Session 2A
Tatara, Gabrielle	Psychology Session 2: Health & Social I
Taylor, Rebecca	Pharmacy/Health Sciences Session 2E
Teare, Andrew	Pharmacy/Health Sciences Session 2B
Teskey, Madison	Sociology Session 2: Social Interactions
Thayer, Allison	English Literature & Creative Writing Session 4: Drama Cornucopia
Thomas, Caitlin	Pharmacy/Health Sciences Session 1G
Thomas, Jessica	Psychology Session 5: Health & Social II
Thomas, Joseph	Biology and Sustainability Session 7: Cell and Molecular Biology III
Thomas, Melissa	Pharmacy/Health Sciences Session 1B
Thompson, Andy	Poster Session 2

Thompson, Bruce	Psychology Session 15: Positive & Industrial-Organizational II
Thompson, Chris	Psychology Session 15: Positive & Industrial-Organizational II
Thompson, Robert	Psychology Session 4: Developmental II
Tiwana, Punam	Poster Session 1
Todd, Christine	Communication & Media Studies Session 3: Narrative, Ideology, and Framing in Contemporary Politics
Toriumi, Olivia	Art History Session 3: Visual Art
Tracey, Morgan	Poster Session 2
Trainer, Caitlin ...	Communication & Media Studies Session 2: Communicative Perspectives on Gender and the Body
Trainor, Michelle	Education I
Traylor, John	International Studies Session 3: The Global in the Local
Trout, Audrey	Communication & Media Studies Session 2: Communicative Perspectives on Gender and the Body
Trout, Rebekah	Poster Session 2
Tucker, Joseph ..	Pharmacy/Health Sciences Session 1A; Pharmacy/Health Sciences Session 2A
Tucker, Lilian	Psychology Session 16: Cognitive & Social IV
Tumbleson, Danika	Poster Session 1
Turjman, Nardeen	Psychology Session 6: Cognitive & Social II
Tyson, Jessica	Pharmacy/Health Sciences Session 2B
U	
Urbina, McKenzie	Poster Session 2
V	
Valladares, Kelly	Psychology Session 2: Health & Social I
VanWinkle, Lindsey	English Literature & Creative Writing Session 3: Film Studies
Vasconi, Nicole	Music and Dance IV
Vega, Zachary	Modern Languages 2
Verner, Lauren	Pharmacy/Health Sciences Session 1B
Vierse, Anne .	History and Classics Session 4: Gender, Sexuality, Sleep and Death in Cross-cultural Perspective
Vondersaar, John	Physics, Mathematics & Computer Science Session 2
W	
Wade, Addam	Sociology Session 3: The Difference and the Norm
Wagner, Kelsey	Pharmacy/Health Sciences Session 2A
Walcott, Rachel	Modern Languages 2
Walker, Ashley	Psychology Session 9: Biological & Animal Models I
Walker, Esther M.	Biology and Sustainability Session 7: Cell and Molecular Biology III
Waller, Margaret	Poster Session 1
Walsh, Andy	Psychology Session 4: Developmental II
Waltz, Ethan	Pharmacy/Health Sciences Session 2E
Wang, Mick	International Studies Session 3: The Global in the Local
Washington, Dashiauna	Education II
Watson, Brooke	Pharmacy/Health Sciences Session 2F
Watson, Nathan	Pharmacy/Health Sciences Session 2F
Watts, Sara	Psychology Session 13: Clinical & Personality II

Weatherford, Laura	Pharmacy/Health Sciences Session 1E
Weaver, Austin	Pharmacy/Health Sciences Session 1C; Pharmacy/Health Sciences Session 2D
Weber, Rachel	Pharmacy/Health Sciences Session 2F
Weddle, Elyse	Pharmacy/Health Sciences Session 1B
Weichelt, Caitlin	Modern Languages 1
Weigle, Hannah	International Studies Session 3: The Global in the Local
White, Hannah	Communication & Media Studies Session 1: Globalization, (Post)Racial Rhetoric, and the American Dream
Whitehead, Brent	Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1; Poster Session 1
Wiedenheft, Kris	Poster Session 1
Wikoff, Logan	Psychology Session 5: Health & Social II
Wilber, Nicole	Poster Session 2
Wilimczyk, Jessica	Pharmacy/Health Sciences Session 1D; Pharmacy/Health Sciences Session 1E
Williams, Germaine	Pharmacy/Health Sciences Session 2B
Williamson, Cathryn	Pharmacy/Health Sciences Session 2G; Pharmacy/Health Sciences Session 2G
Willits, Nicholas	Sociology Session 2: Social Interactions
Winters, Mathew	Psychology Session 13: Clinical & Personality II
Wise, Bradley	Psychology Session 14: Biological & Animal Models II
Wiswasser, Cody ..	Anthropology Session 1: Transforming Identities in Argentina, Vietnam, Japan, and Indianapolis, Indiana
Wojciechowski, Alicia	Pharmacy/Health Sciences Session 2G; Pharmacy/Health Sciences Session 2G
Wolf, Lauren	Pharmacy/Health Sciences Session 1A
Wolfe, Olivia Grace	International Studies Session 1: Civil Conflicts: Domestic and International Influences; Modern Languages 3
Woodard, Hannah	Psychology Session 10: Positive & Industrial-Organizational I
Woods, Dewan	Physics, Mathematics & Computer Science Session 2
Wright, Sara	Pharmacy/Health Sciences Session 2B
Wu, You	Poster Session 2
Wu, Ziyi	Physics, Mathematics & Computer Science Session 3
X	
Xue, Yuan	Chemistry 1
Y	
Yang, Ka	Pharmacy/Health Sciences Session 1B
Yazel, Ethan	Poster Session 2
Yoder, Stephanie	Communication & Media Studies Session 4: Communication and Interpersonal Relationships
Young, Trevor	Psychology Session 14: Biological & Animal Models II
Z	
Zamboti, Stephannie	Gender, Women & Sexuality Studies Session 1
Zelesnik, Evan	Poster Session 1

Zeller, Anna **English Literature & Creative Writing Session 5: Rhetoric, Film, and Trauma Literature**
Zepeda, Daisy **Psychology Session 6: Cognitive & Social II**
Zimay, Amber **Education I**
Zinn, Daniel **Pharmacy/Health Sciences Session 2G**