

TABLE OF CONTENTS

Welcome	1
Conference Personnel	3
URC Conference Schedule	4
Presentation Schedule	5
Anthropology	5
Art History	6
Biochemistry & Molecular Biology.....	7
Biology.....	8
Chemistry.....	10
Classical Studies	12
Communication & Media Studies.....	12
Dance	13
Education	13
English Literature & Creative Writing	14
Exercise Science andPerformance	16
Gender, Women & Sexuality Studies	17
History.....	18
International Studies	19
Mathematics and Computer Science.....	20
Modern Foreign Language.....	20
Music.....	21
Pharmacy & Health Sciences.....	22
Philosophy and Religion	27
Physics	28
Political Science.....	29
Psychology.....	29
Sociology	35
Art Exhibition	38
Poster Presentations Session 1	39
Poster Presentations Session 2.....	41
Poster Presentations Session 3.....	43
Poster Presentations Session 4.....	46
Index of Presenters.....	47

CONFERENCE TEAM

Conference Director

Dr. Mariangela Maguire

Conference Coordinator

Cathy Holland

Special Events Advisors

Megan Theophilus

Information Technology Advisors

David Alder, Whitney Bryan, Jay Moore & Brian Wilson

AREA COORDINATORS

Anthropology

Dr. Sholeh Sharokhi

Art History

Dr. Elizabeth Mix

Biochemistry & Molecular Biology

Dr. Jeremy Johnson

Biology

Dr. Rebecca Dolan

Chemistry

Dr. Geoffrey Hoops

Classical Studies

Dr. Chris Bungard

Communication & Media Studies

Dr. Casey Kelly

Dance

Ms. Cynthia Pratt

Education

Drs. Susan Adams & Brandie Oliver

English Literature & Creative Writing

Dr. Joseph Colavito

Exercise Science & Human Performance

Dr. Lisa Farley

Gender, Women & Sexuality Studies

Dr. Brooke Beloso

History

Dr. Vivian Deno

International Studies

Dr. Montgomery Broaded

Mathematics & Computer Science

Dr. Becky Wahl

Modern Foreign Languages

Dr. Alex Quintanilla

Music

Dr. James Briscoe

Pharmacy & Health Sciences

Dr. Chad Knoderer & Ms. Dawn Kidd

Philosophy & Religion

Dr. Tiberiu Popa

Physics

Dr. Xianming Han

Political Science

Dr. Robin Turner

Psychology

Dr. Joel Martin

Sociology

Dr. Antonio Menéndez-Alarcón

Sustainability, Urban Ecology, & Environmental Studies

Dr. Travis Ryan

Art Exhibition

Dr. Elizabeth Mix

URC CONFERENCE SCHEDULE

7:30 a.m.	Conference Check-in 2nd Floor Atherton Union
7:30 a.m. – 10:00 a.m.	Continental Breakfast, Reilly Room, Atherton Union
8:45 a.m. – 9:00 a.m.	Welcome to the Conference from Conference Director Mariangela Maguire
9:00 a.m. – 4:00 p.m.	Concurrent Oral Presentation Sessions. See pages 5-37 for specific session times
9:30 a.m. – 10:30 a.m.	Poster Session 1
11:00 a.m. – 12:00 p.m.	Poster Session 2
12:30 p.m. – 1:30 p.m.	Poster Session 3
2:00 p.m. – 3:00 p.m.	Poster Session 4
All Posters Sessions are on the first floor of Irwin Library See pages 39 – 46 for specific poster presentations	
10:00 a.m. – 3:00 p.m.	Art Exhibition Irwin Library Atrium
11:30 a.m. – 1:30 p.m.	Box Lunches Available in Reilly Room, Atherton Union
12:00 p.m. - 12:30 p.m.	“Celebrating 25 Years of Undergraduate Research” Associate Provost Mary Macmanus Ramsbottom & Presentation of Outstanding Mentor Recognition Reilly Room, Atherton Union
1:30 p.m. – 3:00 p.m.	Happy 25 th Birthday Butler URC (with cupcakes & lemonade) Star Fountain (in front of Irwin Library or Irwin Library lobby in case of inclement weather)

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.

Staff & Faculty From Academic Affairs: Melody Adkins, Amy Aldridge, Connie Anders, Julie Barrett, Susan Berger, Laura Brandenburg, Regan Bright, Pam Crea, Jamie Duvall, Rena Duerksen, Liz Freedman, Susan Greenfield, Anne Minnich-Beck, Carol Montgomery, Lori Moore, Chris Price, Mary Proffitt, and Teresa Williams.

Student Workers: Brittany Babbitt, Julia Gresik, Leana Massimini, Lauren Neifert, Alec Thompson, Andrew Wray, Kyle Werner, and Katie Youngen.

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: Social Movement Latin America

Moderator: Maria Brockmann

09:00 AM – 10:00 AM Jordan Hall 276

09:00 AM – Activist Anthropology: Ethics, Methods, and Indigenous Social Movements in Latin America

Rachel Gerwig *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

09:15 AM – *Buscando la Cultura Peruana*: The Complexities of Inter-Ethnic Relations in Peru

Lea Levy *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

09:30 AM – Andean Folklore: The Expression of Racial and Sexual Anxieties Through Oral Traditions

Jake Huyette *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

Anthropology Session 2: Imagining 'the Other' America

Moderator: Maria Brockmann

10:45 AM – 12:00 PM Jordan Hall 276

10:45 AM – Liminal Dreaming: Latino Immigrants in Madison, IN and the Barriers That Block Them from Citizenship

Paige Spalding *Hanover College*. Faculty Sponsor: David Buchman *Hanover College*

11:00 AM – *¡Ahora es cuando!* Los Cococaleros and the War on Drugs

Mary Pennington *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

11:15 AM – Noble Savages, Dams, and Authenticity: the Benefits and Drawbacks of the Orientalization of the Kayapo Identity

Anne Vierser *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

11:30 AM – Indigenous Social Movements: A Call for Recognition

Martha Leuthner *Butler University*. Faculty Sponsor: Maria Brockmann *Butler University*

Anthropology Session 3: Social Life on College Campus

Moderator: Sholeh Shahrokhi

12:30 PM – 01:45 PM Jordan Hall 276

12:30 PM – Imagined Social Interactions

Ance Simanovica *Earlham College*. Faculty Sponsor: Deborah Jackson *Earlham College*

12:45 PM – Tilting at a Windmill

David Aristizabal *Earlham College*. Faculty Sponsor: Deborah Jackson *Earlham College*

01:00 PM – Connecting to Campus: Personalization of College Dorm Rooms

Kelsey Daly *Hanover College*. Faculty Sponsor: David Buchman *Hanover College*

01:15 PM – Cyphering Confusion: Self-Identity amongst Members of a Gay-Straight Alliance

Patrick Blaker *Hanover College*. Faculty Sponsor: David Buchman *Hanover College*

01:30 PM – The Values of Sisterly Love: Values and Gender Roles Creating a Shared Experience in Sorority Life

Alex Taylor *Hanover College*. Faculty Sponsor: David Buchman *Hanover College*

Anthropology Session 4: Body Mind and Medicine

Moderator: Sholeh Shahrokhi

02:15 PM – 03:30 PM Jordan Hall 276

02:15 PM – Personal Interviews in a Mixed-Methods Study on Psychostimulant Misuse at IU-Bloomington

Samuel Ibarra *Indiana University-Bloomington*. Faculty Sponsor: Sarah Phillips *Indiana University-Bloomington*

02:30 PM – "Why Should I Take Meds for Being Who I Am?": The Moral Careers of College Students with ADHD

Oto Alves da Silva *Earlham College*. Faculty Sponsor: Deborah Jackson *Earlham College*

02:45 PM – Psychostimulant Misuse at Indiana University Bloomington: A Look into the Results of an Online Survey

Stephanie Battoe *Indiana University-Bloomington*. Faculty Sponsor: Sarah Phillips *Indiana University-Bloomington*

03:00 PM – Green-Skinned: How Organ Trafficking Benefits from the Exploitation of the Impoverished

George Kane *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Nicholas Rattray *Butler University*

ART HISTORY

Art History: Art, Art History, and Visual Culture

Moderator: Elizabeth Mix

02:15 PM – 03:30 PM Jordan Hall 201

02:15 PM – "Project Sherwood," a Screenplay: Are We Too Cynical for 'Robin Hood'?

Bridgette Richards *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

02:30 PM – Paracosm

Abby Hart *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

02:45 PM – Flowers or Flags: Sense and Meaning through Flower Identification in the Unicorn Tapestries in the Paris Musée de Cluny

Amy Anderson *Ball State University*. Faculty Sponsor: Ellen Thorington *Ball State University*

03:00 PM – Women, Craft and the Feminine Stereotype: How Women Artists Expanded the Definition of Art

Allie Brandt *Purdue University*. Faculty Sponsor: Catherine Dossin *Purdue University*

03:15 PM – The Menagerie

Ben Fox *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

BIOCHEMISTRY & MOLECULAR BIOLOGY

Biochemistry & Molecular Biology Session 1

Moderator: Jennifer Kowalski

09:30 AM – 10:30 AM Gallahue Hall 105

09:30 AM – Delivery and Activation of an Ester-Masked Fluorophore in *C. elegans* Neuronal Cells

Hitesh Dube *Butler University*. Faculty Sponsors: Jeremy Johnson *Butler University*, Jennifer Kowalski *Butler University*

09:45 AM – Visualizing Amp-Activated Protein Kinase (AMPK) and Cellular Energy Stress

John Ochung *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Jeffrey Elmendorf *Indiana University/Purdue University at Indianapolis*

10:00 AM – A Pseudo Study of a Putative Benzoylformate Decarboxylase Isolated from *Polynucleobacter necessarius*

Matthew Logsdon *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Michael McLeish *Indiana University/Purdue University at Indianapolis*

10:15 AM – Estrogen Signaling in Breast Cancer

Katherine Moravec *Rose-Hulman Institute of Technology*. Faculty Sponsor: Ross Weatherman *Rose-Hulman Institute of Technology*

Biochemistry & Molecular Biology Session 2

Moderator: Jeremy Johnson

10:45 AM – 12:00 PM Gallahue Hall 105

10:45 AM – Investigation of Cell Types where the Anaphase Promoting Complex is Necessary for Normal Organismal Neuronal Functioning in *C. elegans*

Rachael Essig *Butler University*. Faculty Sponsor: Jennifer Kowalski *Butler University*

11:00 AM – Substrate Specificity of Rv0045c, a Bacterial Esterase from *Mycobacterium tuberculosis*

Chris Savas *Butler University*. Faculty Sponsors: Geoffrey Hoops *Butler University*, Jeremy Johnson *Butler University*

11:15 AM – Characterization of Grape L-Idonate Dehydrogenase

Kristen Moore *Hanover College*, Anna Selby *Hanover College*. Faculty Sponsor: Steve Steiner *Hanover College*

11:30 AM – Disruption of Peroxisomal β -Oxidation in *Yarrowia lipolytica* to Increase Accumulation of Triacylglycerols

Paola Fernandez *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Brenda Blacklock *Indiana University/Purdue University at Indianapolis*

11:45 AM – Evolution of the Nitrogen Cycle over the Formation of a Saltwater Marsh Ecosystem

Matthew Logsdon *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Behzad Mortazavi *University of Alabama - Tuscaloosa*

Biochemistry & Molecular Biology Session 3

Moderator: Geoff Hoops

01:00 PM – 02:00 PM Gallahue Hall 105

01:00 PM – Mandibular and Neural Crest Cell Deficits Seen in Ts65Dn Down Syndrome Mouse Model Rescued by Green Tea Polyphenol, EGCG

Rachel Novack, Gracelyn Bose *Indiana University/Purdue University at Indianapolis*.

Faculty Sponsor: Randall Roper *Indiana University/Purdue University at Indianapolis*

01:15 PM – Sub-cloning of the Estrogen Receptor Beta

Bianca Maled *Rose-Hulman Institute of Technology*. Faculty Sponsor: Mark Brandt *Rose-Hulman Institute of Technology*

01:30 PM – Novel Synthesis of Ester Protected Ethambutol

Dominique Stephens *Butler University*. Faculty Sponsor: Jeremy Johnson *Butler University*

01:45 PM – Refining the Annotations of Malaria Genomes

Ashley Chabot, Victoria Makuru *Earlham College*. Faculty Sponsor: Peter Blair *Earlham College*

BIOLOGY

Biology Session 1

Moderator: Erin Gerecke

09:00 AM – 10:30 AM Gallahue Hall 101

09:00 AM – A cpDNA Phylogeny of the Adder's Tongue Ferns (*Ophioglossum* s.s.: *Ophioglossaceae*)

Nicole Lee *Denison University*. Faculty Sponsor: Warren Hauk *Denison University*

09:15 AM – An Analysis of the Relationship between Floral Color, Pollinator Behavior, and Fitness in the Protandrous Weed *Saponaria officinalis*

Jenna Nawrocki *University of Indianapolis*. Faculty Sponsor: Sandra Davis *University of Indianapolis*, Dana Dudle *DePauw University*

09:30 AM – Determination of Biochemical Defense Mechanisms in Non-vascular Plants

Jonathan Webster *Butler University*. Faculty Sponsor: Philip Villani *Butler University*

09:45 AM – Does Floral Herbivory Induce Defense Chemicals in Petals?

Evan Pugh *Denison University*. Faculty Sponsor: Andrew McCall *Denison University*

10:00 AM – Does Leaf Mining Deter Other Herbivores in the *Ageratina altissima*?

Leeann Kuehn *Denison University*. Faculty Sponsor: Andrew McCall *Denison University*

10:15 AM – Minimal Impacts of Garlic Mustard on a Forest Floor Invertebrate Community

Johanna Harmon *Denison University*. Faculty Sponsor: Geoffrey Smith *Denison University*

Biology Session 2

Moderator: Jennifer Kowalski

09:00 AM – 10:30 AM Gallahue Hall 106

09:00 AM – Abnormal Migration of Adult-Born Neurons in the Hippocampus Due To Traumatic Brain Injury

Sara Ibrahim *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Jinhui Chen *Indiana University/Purdue University at Indianapolis*

09:15 AM – Identification of Pathogenic and Non-pathogenic Skin Flora on Equipment Used by the Manchester University Football Team in the Fall of 2012

Audrey Deitrich *Manchester College*. Faculty Sponsor: Rachel Polando *Manchester College*

09:30 AM – Identifying Suppressors of Copper Toxicity in PRE9Δ *Saccharomyces Cerevisiae*

Damilola Awonusi *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Andrew Kusmierczyk *Indiana University/Purdue University at Indianapolis*

09:45 AM – Investigation of SUMO Enzymes at the Neuromuscular Junction in *C. elegans*

Kristen Rush *Butler University*. Faculty Sponsor: Jennifer Kowalski *Butler University*

10:00 AM – Molecular Mechanisms Altering Embryonic Bone Development in a Down Syndrome Mouse Model

Joshua Blazek, Ahmed M. Malik *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Randall Roper *Indiana University/Purdue University at Indianapolis*

10:15 AM – Optimization of *Eosinophil Peroxidase* Assay

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

Biology Session 3

Moderator: Erin Gerecke

10:45 AM – 012:15 PM Gallahue Hall 101

10:45 AM – Ant Species Distribution among and within *Acacia drepanolobium* Populations of Varying Density and Habitat Type

Justin Garlitz, Jonathan (Yoni) Glogower Barbara Dale, Adrienne Peters *Earlham College*. Faculty Sponsor: Brent Smith *Earlham College*

11:00 AM – A Bioassessment of the Ohio River near Zimmer Power Plant Moscow, Ohio (RM444)

John Scheben *Thomas More College*. Faculty Sponsor: Christopher Lorentz *Thomas More College*

11:15 AM – Changing Tide Pool Community Composition Due to Temporal and Pool Size Factors

Laura Corichi, Michael Warner *Earlham College*. Faculty Sponsor: Brent Smith *Earlham College*

11:30 AM – Detection of Ranavirus in Ohio Ponds, and its Effects on *Anaxyrus americanus* Larvae

Justina Bartling *Denison University*. Faculty Sponsor: Rebecca Homan *Denison University*

11:45 AM – Factors Affecting Nesting Times in the Western Painted Turtle (*Chrysemys picta bellii*) in Western Nebraska

Kate Hardy *Earlham College*. Faculty Sponsor: John Iverson *Earlham College*

12:00 PM – Using Socio-Ecological Criteria for Classification and Analysis of Land Most Suitable for Urban Agriculture in Indianapolis

Ryan Anderson *Butler University*. Faculty Sponsor: Tim Carter *Butler University*

Biology Session 4

Moderator: Jennifer Kowalski

10:45 AM – 12:30 PM Gallahue Hall 106

10:45 AM – Fat Content as a Determinant of Division of Labor in the Florida Harvester Ant

Emmanuel Akita, George Bouchard, Delaney Gibbs, Julia Constable *Earlham College*.

Faculty Sponsor: Chris Smith *Earlham College*

11:00 AM – Validation of Imprinted Genes on Human Chromosome 6 Expressed in the Placenta

Anna Brenneman *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor:

Jill Reiter *Indiana University/Purdue University at Indianapolis*

11:15 AM – Grooming and Aggressive Behaviors in Vervet Monkeys

Sean Gelwick, Martin Moon, Abby Primack, Kate Hardy, Anicka Meyers *Earlham*

College. Faculty Sponsor: Brent Smith *Earlham College*

11:30 AM – Grooming, Mating, and Dominance Behaviors in Olive Savanna Baboons (*Papio eynocephalus anubis*)

Hanna Klondaris, Anna Plotkin-Swing *Earlham College*. Faculty Sponsor: Brent Smith *Earlham College*

11:45 AM – Investigation of How the Biomedical Ethics Literature Has Expanded in Comparison to Scientific Advancements in Genetic Therapy

Mira McKary *Butler University*. Faculty Sponsors: Nathanael Hauck, Richard McGowan *Butler University*

12:00 PM – The Effect of Intraspecific Competition on Dung Beetle Behavior

Frances Hall *Earlham College*, Andrew Hood *Earlham College*. Faculty Sponsor: Brent Smith *Earlham College*

CHEMISTRY

Chemistry Session 1

Moderator: Shannon Lieb

09:30 AM – 10:30 AM Gallahue Hall 108

09:30 AM – Infrared Investigations of the Interactions of Urea, Glycine, and DMF with Fullerene C₆₀ in Toluene Solutions

Jordan Kanter *Butler University*. Faculty Sponsor: Joe Kirsch *Butler University*

09:45 AM – Faraday Rotation and Raman Spectroscopy of Aqueous Solutions of Ferric Salts

Max Verkamp *Rose-Hulman Institute of Technology*. Faculty Sponsors: Daniel Morris,

Maarij Syed *Rose-Hulman Institute of Technology*

10:00 AM – Experimental and Theoretical Investigation of Keto-Enol Tautomerism in Biochemical Processes

Sophia Lee *Butler University*. Faculty Sponsor: Shannon Lieb *Butler University*

10:15 AM – Investigation of the Controlled Vectorial Growth of Single-Walled Carbon Nanotubes: The "Lab on a Chip" Approach

Emily Yedinak *Rose-Hulman Institute of Technology*. Faculty Sponsor: Scott Kirkpatrick *Rose-Hulman Institute of Technology*

Chemistry Session 2

Moderator: Todd Hopkins

10:45 AM – 12:00 PM Gallahue Hall 108

10:45 AM – Quantification for Six Polycyclic Aromatic Hydrocarbons Using Carbon Cryogels

Alex Bledsoe *Rose-Hulman Institute of Technology*. Faculty Sponsor: Justin Shearer *Rose-Hulman Institute of Technology*

11:00 AM – Carbon Microspheres through the Pyrolysis of Electrospayed Carbon Cryogel

Ethan Post *Rose-Hulman Institute of Technology*. Faculty Sponsor: Justin Shearer *Rose-Hulman Institute of Technology*

11:15 AM – Durability of an Antimicrobial Polymer in Material Applications

J. Alex Karel *Anderson University*. Faculty Sponsor: Scott Kennedy *Anderson University*

11:30 AM – Electrochemical Detection in a Microfluidic Device Using a Carbon Cryogel Electrode

Michael Ehrstein *Rose-Hulman Institute of Technology*. Faculty Sponsor: Daniel Morris *Rose-Hulman Institute of Technology*

11:45 AM – Synthesis and Application of Heterogeneous Catalyzed Resorcinol: Formaldehyde Mesoporous Carbon

Caitlin Anderson *Rose-Hulman Institute of Technology*. Faculty Sponsor: Justin Shearer *Rose-Hulman Institute of Technology*

Chemistry Session 3

Moderator: Adam Azman

01:00 PM – 02:00 PM Gallahue Hall 108

01:00 PM – Catalytic Transfer Hydrogenation of 1,3-diphenyl-2-propen-1-one with Palladium on Carbon and Formate Salts

Joshua Piltz *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Ryan Denton *Indiana University/Purdue University at Indianapolis*

01:15 PM – Optimized Microwave Assisted Organic Synthesis using Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling Reactions

Kaitlin Schneider *Rose-Hulman Institute of Technology*. Faculty Sponsor: Rebecca DeVasher *Rose-Hulman Institute of Technology*

01:30 PM – Demonstrations of Unimolecular Substitution Reactions and the Effects of the Leaving Group, Solvent, Structure, and Temperature on the Rate of Reaction

Joshua Ostrander *Indiana Wesleyan University, Marion*. Faculty Sponsor: Steven Tripp *Indiana Wesleyan University, Marion*

CLASSICAL STUDIES

Classical Studies: The Lessons of Greek Mythology

Moderator: Chris Bungard

12:30 PM – 01:30 PM Jordan Hall 201

12:30 PM – The Importance of True Love

Berkley Conner *Ball State University*. Faculty Sponsor: Donald Gilman *Ball State University*

12:45 PM – The Individual, Society, and the Enactment of Justice in Aeschylus' *Oresteia*

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

01:00 PM – Greek Gods in Today's Society

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

COMMUNICATION & MEDIA STUDIES

Communication & Media Studies Session 1: Religion, Hegemony, and the Public Sphere

Moderator: Casey Kelly

09:00 AM – 10:00 AM Fairbanks 246

09:00 AM – Religion and Politics: How the Public Sphere is Eroding

Kyle Faulkner *Butler University*. Faculty Sponsor: Casey Kelly *Butler University*

09:15 AM – Christ-like and Like Christ: The Rhetorical Vision of the Incarnational Mission Movement

Caitlin Black *Taylor University*. Faculty Sponsor: Jessica Rousselow-Winquist *Taylor University*

09:30 AM – Freedom From to Freedom Come

Brittany Jacob *Taylor University*. Faculty Sponsor: Jessica Rousselow-Winquist *Taylor University*

Communication & Media Studies Session 2: Communication, Corporations, and Globalization

Moderator: Casey Kelly

10:45 AM – 12:00 PM Fairbanks 246

10:45 AM – Globalization as Americanization: The Worldwide Rise of American Corporations and Culture

B. R. Werge *Butler University*. Faculty Sponsor: Margaretha Geertsema-Sligh *Butler University*

11:00 AM – Problems in a Pink World: Selling Breast Cancer

Makenna Imholte *Butler University*. Faculty Sponsor: Casey Kelly *Butler University*

11:15 AM – Zombies and Bath Salts: Exaggeration in the Media

Lindsay Byers *Butler University*. Faculty Sponsor: Allison Harthcock *Butler University*

11:30 AM – A Coordinated Management of Meaning Approach to Study Abroad
Michelle Wickham *Indiana University/Purdue University at Indianapolis*. Faculty
Sponsor: John Parrish-Sprowl *Indiana University/Purdue University at Indianapolis*

Communication & Media Studies Session 3: Critical Media Studies: Resistance and Social Change

Moderator: Kristen Hoerl

12:30 PM – 01:30 PM Fairbanks 246

12:30 PM – When She Talks, I Hear the Revolutions: A Critical Media Analysis of the Riot Grrrl Movement

Kate Siegfried *Butler University*. Faculty Sponsor: Kristen Hoerl *Butler University*

12:45 PM – Accepting the Unaccepted: The Increased Awareness of Mental Illnesses in *One Flew Over the Cuckoo's Nest*

Taylor Cox *Butler University*. Faculty Sponsor: Kristen Hoerl *Butler University*

01:00 PM – The Internet Killed Television: Internet Communities and Communication

Jordan Kriebel *Butler University*. Faculty Sponsor: Casey Kelly *Butler University*

DANCE

Dance: Sources of Inspiration

Moderator: Cynthia Pratt

09:00 AM – 10:00 AM Lilly Hall 120

09:00 AM – An Exploration of Self-Empowerment through Movement and Rudolf Laban's Theory of Effort

Morgan Sicklick *Butler University*. Faculty Sponsor: Cynthia Pratt *Butler University*

09:15 AM – The Preservation of Cultural Heritage and National Identity through Folkloric Dance in Mexico

Danielle Morano *Butler University*. Faculty Sponsor: Derek Reid *Butler University*

09:30 AM – The Versatility of Cuban Dances

Lauren Reed *Butler University*. Faculty Sponsor: Cynthia Pratt *Butler University*

EDUCATION

Education: Diverse Questions, Methods, and Settings with One Objective-- Excellence in Teaching and Learning

Moderator: Susan Adams & Brandie Oliver

09:00 AM – 10:15 PM Jordan Hall 174

09:00 AM – What Fairy Tales Mean to People from Diverse Backgrounds

Amy Gaisser *Butler University*. Faculty Sponsor: Mindy Dunn *Butler University*

09:15 AM – Creating Engaging Gameplay about the Middle Mississippians for the Indiana State Museum

Paige Rodeghero *Ball State University*, Daniel Johnson *Ball State University*. Faculty Sponsor: Paul Gestwicki *Ball State University*

09:30 AM – The Money Project: How Can I Improve My Ability to Facilitate Mathematical Inquiry among Elementary-Level Students through the Project Approach?

Amy Gaisser *Butler University*. Faculty Sponsors: Ryan Flessner *Butler University*, John Gaisser *Butler University*

9:45 AM – The Perceived Key Concepts in Biology, Geology, and Chemistry Across Educational Levels

Chelsy Calhoun, Josh Long *University of Southern Indiana*. Faculty Sponsor: Jeff Thomas *University of Southern Indiana*

10:00 AM – Video Creation: The Effect of Self-Explanation on Learning

Allie Alayan, Eric Carmichael, Chilton Garretson, Judie Keen, Cody Reaves *Indiana Wesleyan University, Marion*. Faculty Sponsors: Erin Devers, Christopher Devers *Indiana Wesleyan University, Marion*

ENGLISH LITERATURE & CREATIVE WRITING

English & Creative Writing Session 1: Literature around the World

Moderator: Tom Luckie

09:00 AM – 10:15 AM Jordan Hall 303

09:00 AM – Dog-Face: Exploring Monstrosity in Osamu Tezuka

Andrew Neylon *Ball State University*. Faculty Sponsor: Amit Baishya *Ball State University*

09:15 AM – American Ghosts: Nostalgia and Noir in *The Great Gatsby* and *Vertigo*

Tricia Johnson *Ball State University*. Faculty Sponsor: Amit Baishya *Ball State University*

09:30 AM – The Power of Words: How Words Show the Life of Nazi Germany through the Eyes of Death in *The Book Thief*

Katie Graham *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

09:45 AM – Christian Imagery and Symbolism in *The Sun Also Rises*

Katie Larson *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

English & Creative Writing Session 2: Women, Warriors, and Faith

Moderator: Joseph Colavito

09:00 AM – 10:15 AM Jordan Hall 301

09:00 AM – A Paper Thin Facade: The Illusion of Weakness in Passivity

Paige Newman *Butler University*. Faculty Sponsor: Joseph Colavito *Butler University*

09:15 AM – Marcela: A Literary Representation of a Woman's Refusal of Chivalric Stereotypes

Alexa Smith *Butler University*. Faculty Sponsor: Terri Carney *Butler University*

09:30 AM – Reason, Faith and the Fall in *Paradise Lost*

Amy Howard *Purdue University North Central*. Faculty Sponsor: Heather Fielding *Purdue University North Central*

09:45 AM – Role Reversals of Power in Sex by The Wife of Bath in Geoffrey Chaucer's *The Canterbury Tales*

Alexa Smith *Butler University*. Faculty Sponsor: Joseph Colavito *Butler University*

10:00 AM – Ferthu Hál: The Rohirrim and the Anglo-Saxons

Hillary Burgardt *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

English & Creative Writing Session 3: New Perspectives on Mark Twain's Adventures of Huckleberry Finn I--A Roundtable Discussion

Moderator: Andy Levy

10:45 AM – 12:00 PM Jordan Hall 303

Mark Spiegel, Jennifer Wetzell, Derrick Brown, Caitlin Holden, Bridgette Richards *Butler University*. Faculty Sponsor: Andrew Levy *Butler University*

English & Creative Writing Session 4: Creative Writing

Moderator: Luke Wortley

10:45 AM – 12:00 PM Jordan Hall 301

10:45 AM – Excerpt from *The Company Door - A Novel*

Connor Park *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

11:00 AM – *Iron Night: The Day My Black Sister was Raped*

Tyler Griffin *Wabash College*. Faculty Sponsor: Eric Freeze *Wabash College*

11:15 AM – Poetry in Various Forms by Dan McCormick

Dan McCormick *Hanover College*. Faculty Sponsor: Kay Stokes *Hanover College*

11:30 AM – *Us and Our Creations: A Creative Examination of Humanity's Struggle with Technology and Self-Definition*

Andrew Erlandson *Butler University*. Faculty Sponsor: Jason Goldsmith *Butler University*

English & Creative Writing Session 5: A Literary Cornucopia

Moderator: Bill Walsh

12:30 PM – 01:30 PM Jordan Hall 303

12:30 PM – The Roles of Magic in *The Tempest* and *Doctor Faustus*

Tara Olivero *Ball State University*. Faculty Sponsor: Frank Felsenstein *Ball State University*

12:45 PM – The World Myth

Joy Martin *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

01:00 PM – Joyce's Narrative Construction in *Ulysses*

Alan Myszkowski *Purdue University North Central*. Faculty Sponsors: Heather Fielding, Jerry Holt *Purdue University North Central*

01:15 PM – Christopher Robin Milne

Rachel Scoles *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

English & Creative Writing Session 6: Popular Culture Debates

Moderator: Joseph Colavito

12:30 PM – 01:30 PM Jordan Hall 301

12:30 PM – The New Comic Spirit: Style over Substance

Dan McCormick *Hanover College*. Faculty Sponsor: Jon Smith *Hanover College*

12:45 PM – Realism through Genre in *Scream* and *The Dark Tower*

Amanda Kelly *Purdue University North Central*. Faculty Sponsor: Heather Fielding *Purdue University North Central*

01:00 PM – Rustler, Small Scale Rancher or Cowboy? *The Virginian* and the Ecological Degradation and Labor Exploitation Conducted by Corporate Cattle Ranches in the American West

John Kauffman *Earlham College*. Faculty Sponsor: Scott Hess *Earlham College*
01:15 PM – The Better Book
Haley Bradfield *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

**English & Creative Writing Session 7: New Perspectives on Mark Twain's
Adventures of Huckleberry Finn II--A Roundtable Discussion**

Moderator: Andy Levy

02:15 PM – 03:30 PM Jordan Hall 303

Jason McCalley, Chloe Richardson, Jessica Kilcoyne, Michelle Trainor, Joel Zimmerly
Butler University. Faculty Sponsor: Andrew Levy *Butler University*

English & Creative Writing Session 8: Theory and Literature

Moderator: Joseph Colavito

02:15 PM – 03:30 PM Jordan Hall 301

02:15 PM – *Being There* for Adorno and Jameson

Ryan Prince *Augusta State University*. Faculty Sponsor: Todd Hoffman *Augusta State University*

**02:30 PM – “Yet There is Method In’t”: The Evolutionary Theory of Creativity, Madness,
and Literature**

Emelia Abbe *Butler University*. Faculty Sponsor: Susan Neville *Butler University*

02:45 PM – A Derridean Critique of Identity in Thomas Pynchon’s *The Crying of Lot 49*

Amy Buck *Augusta State University*. Faculty Sponsor: Todd Hoffman *Augusta State University*

03:00 PM – Postcolonial Oppression: the Women of Salman Rushdie’s *Shame*

Michelle Harbich *Purdue University North Central*. Faculty Sponsor: Heather Fielding
Purdue University North Central

EXERCISE SCIENCE AND HUMAN PERFORMANCE

Exercise Science: The Limits of Human Performance

Moderator: Lisa Farley

12:30 PM – 02:45 PM Jordan Hall 174

12:30 PM – Effects of Caffeine Supplementation on Moderate Exercise in the Heat

Alexis Vincz *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

12:45 PM – Effects of Stride Length on Walking Efficiency

Shannon Grueter *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

**01:00 PM – Impact of Acute Arginine Supplementation on Muscular Endurance in
Trained Females**

Christina Kapsalis *Bellarmino University*, Derek Storc *Bellarmino University*. Faculty
Sponsor: Mark Kaelin *Bellarmino University*

01:15 PM – Impact of Fiber on Blood Glucose Spike Following Glucose Ingestion

Andrew Dalton *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

01:30 PM – Injury Risk of Female Soccer Players vs. Volleyball Players

Amanda Wolski *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

01:45 PM – Lateral Preference in Athletes and Risk of Injury

Ian Ragains *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

02:00 PM – The Effect of Overspeed Training on Throwing Velocity and Accuracy

Robert Wohlschlaeger *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

02:15 PM – The Metabolic Cost of Intermittent versus Steady State Exercise at the Same Exercise Volume

Nikki Cohn-Byrd *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

GENDER, WOMEN & SEXUALITY STUDIES

Gender, Women, & Sexuality Studies Session 1

Moderator: Brooke Beloso

09:00 AM – 10:00 AM Jordan Hall 207

09:00 AM – Transformative and Intentional CommUNITIES: My Experience at Butler University and the Indianapolis Catholic Worker

Colleen Quilty *Butler University*. Faculty Sponsor: Terri Jett *Butler University*

09:15 AM – A Prison for both Our Bodies and Our Minds: A Critical Examination into the Politics of Domination and the Authoritative Gaze in American Public School Systems

Tia Osborne *Butler University*. Faculty Sponsor: Robin Turner *Butler University*

09:30 AM – The Epistemology of the Down Low: A Conversation on the Black "Closet"

Tyler Griffin *Wabash College*. Faculty Sponsor: Crystal Benedicks *Wabash College*

Gender, Women, & Sexuality Studies Session 2

Moderator: Brooke Beloso

10:45 AM – 11:45 PM Jordan Hall 207

10:45 AM – Out of the Shadows of the Domestic Sphere: Women Dismember Bodies in Reaction to New Form of Patriarchy in Japan

Stephanie Poloney *Augusta State University*. Faculty Sponsor: Todd Hoffman *Augusta State University*

11:00 AM – Gender Equality: A Comparison between the Nordic Countries and the United States

Aubrey Schrader *Marian University*. Faculty Sponsor: Pierre Atlas *Marian University*

11:15 AM – Abuse of a Lifetime: A Study Forming Links between Child Abuse & Domestic Violence in Later Adulthood

Tuesdae Johns, Katelyn Smith, Jordan Wainwright, Hannah Henderson *Indiana Wesleyan University, Marion*. Faculty Sponsor: Katti Sneed *Indiana Wesleyan University, Marion*

HISTORY

History Session 1

Moderator: Vivian Deno

09:00 AM – 10:15 AM Jordan Hall 201

09:00 AM – Portraying the Painful: Public History and the Pequot War

Breaden Belcher *Taylor University*. Faculty Sponsor: Steve Messer *Taylor University*

09:15 AM – A Different Kind of Activism: How Women Orchestras Challenged Gender Inequality and the Indoctrinated Hierarchy in Art Music

Donald Bradley *Butler University*. Faculty Sponsor: Vivian Deno *Butler University*

09:30 AM – Impressions Immersed in Blood: Discourses of Violence on the Cuban Revolution, 1953-1959

Lynsey Sharp *Butler University*. Faculty Sponsor: Vivian Deno *Butler University*

09:45 AM – The Mental Outlook of the Men of Unit 731

Sarah Crane *Earlham College*. Faculty Sponsor: Charles Yates *Earlham College*

10:00 AM – The ‘Motivation Hierarchy:’ Japan’s Motivations for Imperialism in Late Meiji

Tyler McGinnis *Earlham College*. Faculty Sponsor: Charles Yates *Earlham College*

History Session 2

Moderator: Vivian Deno

10:45 AM – 12:00 PM Jordan Hall 201

10:45 AM – Selling the Studebaker: The Rise of the Female Consumer from 1920 to 1950

Kahlyn Barcevic *Butler University*. Faculty Sponsors: John Cornell *Butler University*, Vivian Deno *Butler University*

11:00 AM – Promulgation of Empire: Class, Race, Boys’ Papers and the War in South Africa

Hugh Schmidt *Earlham College*. Faculty Sponsor: Charles Yates *Earlham College*

11:15 AM – Bad Men and the Borderlands: “Brother Culture” and Railroad Banditry

Megan Cullen *Butler University*. Faculty Sponsor: Vivian Deno *Butler University*

11:30 AM – From “Sin City” to Family Fun: Transforming Newport, Kentucky in the Late 20th Century, 1957-2001

Colin Reenan *Butler University*. Faculty Sponsor: Vivian Deno *Butler University*

11:45 AM – Hoosier Hysteria: The Eugenic Repression of Indiana Women through Institutionalization, 1920-1940

Janelle Jordan *Butler University*. Faculty Sponsor: Vivian Deno *Butler University*

INTERNATIONAL STUDIES

International Studies Session 1

Moderator: Eloise Sureau-Hale

09:00 AM – 10:15 AM Jordan Hall 336C

09:00 AM – Intoxicants as a Colonizing Agent and Its Role in Modern Life and Alcohol Markets

Maddie Silverstein *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

09:15 AM – Gun Control in the United States: A Comparative Analysis of Gun Control

Nicholas Seefeldt *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

09:30 AM – The Impact of Self-Interest on Climate Change

Emily Rosenfeld *Marian University*. Faculty Sponsor: Pierre Atlas *Marian University*

09:45 AM – Liberation Theology: Why Should the Nations Rejoice?

Marianne Richardson *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

10:00 AM – Perpetuating Authoritarian Regimes in Africa

Jessica Abbinett *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

International Studies Session 2

Moderator: Monte Broaded

10:45 AM – 12:00 PM Jordan Hall 336C

10:45 AM – Who Killed the Argentine Dream?

Charles Hintz *Wabash College*. Faculty Sponsor: Rick Warner *Wabash College*

11:00 AM – Bretton Woods and USAID's Impact on Global Poverty: Fact or Facade

Rachel Bergsieker *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

11:15 AM – Norway in Nicaragua: Global Perception and Building Sustainable Development

B. R. Werge *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

11:30 AM – Public Health & Peacebuilding in Africa

Christiana Thompson *Eastern Kentucky University*. Faculty Sponsor: Gyan Pradhan *Eastern Kentucky University*

International Studies Session 3

Moderator: Elisa Lucchi-Riester

12:30 PM – 01:45 PM Jordan Hall 336C

12:30 PM – A Posthumanist Perspective to See if Social Media will be a Catalyst to Reduce Global Violence

Needa Malik *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

12:45 PM – High Heels: A Global Lexicon of Socioeconomic Climate

Lindsey Weiss *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

01:00 PM – "STFU" An Examination of the Use of Language in Rebellion

Kate Trinkle *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

01:15 PM – Music's Ability to Uphold or Destroy Traditions

Eric Becker *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

01:30 PM – Soundtrack of the Revolution

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

International Studies Session 4

Moderator: Harry van der Linden

02:15 PM – 03:30 PM Jordan Hall 336C

02:15 PM – A Digital Way to Progress

Cole Collins *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

02:30 PM – Climate of Change

Kelly Hamman *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

02:45 PM – Perceptions of International Terrorism: Then and Now

Paige Haas *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

03:00 PM – The Essence of Humanity: Heroism vs. Villainy

Christen Schwarz *Butler University*. Faculty Sponsor: Robert Oprisko *Butler University*

MATHEMATICS AND COMPUTER SCIENCE

Mathematics & Computer Science

Moderator: Rebecca Wahl

09:00 AM – 10:15 AM Jordan Hall 205

09:00 AM – Immigration Destabilizes Tri-trophic Interactions

Jacob Rendall *Bethel College*. Faculty Sponsor: Kevin Drury *Bethel College*

09:15 AM – Adding Artificial Intelligence to Combinatorial Games

Tyler Radley, Colin Clayton *Wittenberg University*. Faculty Sponsor: Steven Bogaerts *Wittenberg University*

09:30 AM – Enumerating Unlabeled Trees

Erica Gilliland *Butler University*. Faculty Sponsor: Prem Sharma *Butler University*

09:45 AM – Exploitation and Prevention of Buffer Overflow in C

Ernest Heydar, Brandon Nesiba *Wittenberg University*. Faculty Sponsor: Steven Bogaerts *Wittenberg University*

MODERN FOREIGN LANGUAGES

Modern Foreign Languages Session 1: Spanish

Moderator: Álex Quintanilla

09:00 AM – 10:15 AM Jordan Hall 278

09:00 AM – Los Lugares Misteriosos en las Artes Americanas

Anta Sanon *Butler University*. Faculty Sponsor: Gabriela Muniz *Butler University*

09:15 AM – Nuestra Verdad e Identidad a Través de La Parábola de Pablo Escobar, el Patrón del Mal

Jeffrey Bohorquez *Wabash College*. Faculty Sponsor: Dan Rogers *Wabash College*

09:30 AM – La Inmigración Indocumentada: Perspectivas Mexicanas y Estadounidenses

Steven Gilliam *Hanover College*. Faculty Sponsor: Eduardo Santa Cruz *Hanover College*

09:45 AM – Una Investigación Comparativa del Sistema Educativo Universitario

Español/A Comparative Exploration of the Spanish University Educational System
Sofia Secord *Hanover College*. Faculty Sponsor: Celia Dollmeyer *Hanover College*

Modern Foreign Languages Session 2: Modern Languages

Moderator: Álex Quintanilla

10:45 AM – 11:45 PM Jordan Hall 278

10:45 AM – Translations from the French Revolution

Emily Atkinson *Ball State University*. Faculty Sponsor: Dorothy Stegman *Ball State University*

11:00 AM – Creole Formation and African American Vernacular English

Cheryl Spencer *Grace College*. Faculty Sponsor: Paulette Sauders *Grace College*

11:15 AM – Diversifying Perspectives on Japanese Environmental Culture: The Satoyama Approach

Samantha Roderick *Ball State University*. Faculty Sponsor: Kazumi Matsumoto *Ball State University*

MUSIC

Music Session 1: The Sense of Theater in Music

Moderator: James R. Briscoe

09:00 AM – 10:30 AM Lilly Hall 110

09:00 AM – Figaro: an Expression of Shifting Class Structure

Kelly Cassady *Butler University*. Faculty Sponsor: James Briscoe *Butler University*

09:15 AM – Donna Giovanni: An Exploration of the Female Characters in Mozart's *Don Giovanni*

Nicholas Roman *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

09:30 AM – Honor and Rebellion in the Theater: Beaumarchais, Mozart and *Figaro*

Robert Fenton *Butler University*. Faculty Sponsors: Sarah Eyerly *Butler University*, Robert Oprisko *Butler University*

09:45 AM – Poppea and Sex: Love, Lust, or Power?

Alaina Bartkowiak *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

10:00 AM – Physical and Sonic Cross-Dressing in Monteverdi's *L'incoronazione di Poppea*

Katie Burns *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

10:15 AM – Rhetoric of Sonata Form: Culminating Structural Objectives

Timothy Mastic *Butler University*. Faculty Sponsor: Rusty Jones *Butler University*

Music Session 2: Inspirations

Moderator: Rusty Jones

10:45 AM – 12:00 PM Lilly Hall 110

10:45 AM – The Naptown Sound

Eli Uttal-Veroff *Butler University*. Faculty Sponsor: Matt Pivec *Butler University*

11:00 AM – Cross-Cultural Exchange and Musical Practices in the Seventeenth-Century Vietnamese Jesuit Missions

Donald Bradley *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

11:15 AM – Louis Armstrong: Early life, Beginning Innovations, and Weather Bird

Abbey Springer *Butler University*. Faculty Sponsor: James Briscoe *Butler University*

11:30 AM – Stadler, the Basset Clarinet, and the Inspired Concerto

Dan Klipper *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

11:45 AM – The Bartók Viola Concerto: Revisions and Changes

Marcella Columbus *Butler University*. Faculty Sponsor: Richard Clark *Butler University*

Music Session 3: Heights

Moderator: Sarah Eyerly

12:30 PM – 01:45 PM Lilly Hall 110

12:30 PM – Brahms' *Violin Concerto in D Major: A Comprehensive Interpretation*

David Platt *Butler University*. Faculty Sponsor: James Briscoe *Butler University*

12:45 PM – *University* Powerful Performance: Women, Power, and the Frame Drum in the Middle East

Rachel Gerwig *Butler University*. Faculty Sponsor: James Briscoe *Butler University*

01:00 PM – Changes in Sonata Form and the Response of Theorist

Marcella Columbus *Butler University*. Faculty Sponsor: Rusty Jones *Butler University*

01:15 PM – Theological Implications of Hyperchromaticization in Five Iterations of J.S. Bach's Setting of "O Haupt voll Blut un Wunden," from the *St. Matthew Passion*

Gabrielle Cerberville Kalt *Butler University*. Faculty Sponsor: Sarah Eyerly *Butler University*

01:30 PM – A Singer's History of Castrati: the Controversies that Surround Them, and the Dilemma of Approaching Their Repertoire

Morgan Ulyat *Ball State University*. Faculty Sponsor: Leonard Atherton *Ball State*

PHARMACY & HEALTH SCIENCES

Pharmacy & Health Sciences Session 1

Moderator: Kevin Tuohy

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

08:30 AM – Effects of Educational Intervention on Prescribers' Knowledge of Drug Bioavailability

Hannah Morgan, Brittany Moser, *Butler University*. Faculty Sponsors: Chad Knoderer, Kristen Nichols *Butler University*

08:45 AM – Evaluation of the Use of Nitazoxanide at Indiana University Health

Eric Myers *Butler University*. Faculty Sponsor: Joseph Jordan *Butler University*

09:00 AM – Outcomes of Extended-Infusion Piperacillin/Tazobactam in Pediatric Patients

Laura Mountel *Butler University*. Faculty Sponsors: Chad Knoderer, Kristen Nichols *Butler University*

09:15 AM – Retrospective Review of Compliance with National Guidelines for Hospitalized Patients with Community-Acquired Pneumonia at Methodist Hospital

Kristen Liberatore, Alyssa Meyer, Rachel Nealis *Butler University*. Faculty Sponsor: Kevin Tuohy *Butler University*

09:30 AM – Effects of Educational Intervention on Prescribing Patterns of Highly Bioavailable Anti-infective Drugs

Brittany Moser, Hannah Morgan *Butler University*. Faculty Sponsors: Chad Knoderer *Butler University*, Kristen Nichols *Butler University*

09:45 AM – National Survey of Introductory Pharmacy Practice Experience Programs

Bethany Stuckemeyer *Butler University*. Faculty Sponsor: Trish Devine *Butler University*

Pharmacy & Health Sciences Session 2

Moderator: Laurie Pylitt

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

08:30 AM – Interprofessional Education in the Pharmacy Curriculum: A Comparison between Butler University and Other Accredited Pharmacy Schools in the U.S.

Joshua Brown, Jake Lemon, Aalap Modi *Butler University*. Faculty Sponsor: Laurie Pylitt *Butler University*

08:45 AM – Appropriateness of PICC Placement in Pediatric Patients

Lauren Phelps *Butler University*. Faculty Sponsor: Kristen Nichols *Butler University*

09:00 AM – The Butler University Adverse Drug-reaction Causality Assessment Tool (BADCAT) vs. the Naranjo Scale

Destiny Hughes *Butler University*. Faculty Sponsor: Amy Peak *Butler University*

09:15 AM – Cost-Effectiveness of Medications Prescribed to Uninsured Patients Upon Discharge From Community Hospital East

Louis Kamo, Amanda Steele, Michael Werres *Butler University*. Faculty Sponsor: Tracy Costello *Butler University*

09:30 AM – Evaluation of the Safety and Efficacy of Compounded Bioidentical Hormone Therapy

Caitlin Miller, Jennifer Reid, Janae Schum *Butler University*. Faculty Sponsor: Jeanne VanTyle *Butler University*

09:45 AM – *Pseudomonas aeruginosa* and *Streptococcus pneumoniae* Minimum Inhibitory Concentration (MIC) Distribution at Two Indianapolis Hospitals

Kelsey Lyon, Megan Veverka *Butler University*. Faculty Sponsors: Kendra Atkinson, Kristen Nichols *Butler University*

Pharmacy & Health Sciences Session 3

Moderator: Jessica Wilhoite

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

08:30 AM – Assessing the Health Literacy within a Pre-Pharmacy Class

Katie Kramer, Miranda Moriarity *Butler University*. Faculty Sponsor: Jessica Wilhoite *Butler University*

08:45 AM – Changes in Student Perceptions toward the Elderly Following a Health Education Series

Shefali Patel, David Martin *Butler University*. Faculty Sponsor: Sarah Nisly *Butler University*

09:00 AM – Evaluation of Pharmacy Students' Empathy Following a Simulated Meal Planning Experience

Sarah Gott, Jared Grubbs, Samantha Harpenau *Butler University*. Faculty Sponsors: Sheel Patel, Cathy Ramey *Butler University*

09:15 AM – The Impact of Plantar Sensitivity on Balance in Adults over 50

Paige Petty *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

09:30 AM – A Resource for Healthcare Professionals Benefiting Medication Selection in Individuals with Gluten or Lactose Intolerance

Dana Carter, Brittany Clements *Butler University*. Faculty Sponsor: Jane Gervasio *Butler University*

09:45 AM – Assessment of Illicit and Prescription Drug Abuse, Specifically Stimulants, in Professional Phase Pharmacy Students

Kirstin Keck, Kate Sheets *Butler University*. Faculty Sponsor: Darin Ramsey *Butler University*

Pharmacy & Health Sciences Session 4

Moderator: Emily Papineau

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

08:30 AM – Use of IVR System in Diabetes Management to Prompt Pharmacy Intervention

Andrew Ruuska, Thien Than *Butler University*. Faculty Sponsor: Emily Papineau *Butler University*

08:45 AM – An Analysis of Pharmacy Claims Data for the Purposes of Formulary Modifications and Potential Cost Savings within a Self-Insured University Setting

James Hyatte *Butler University*. Faculty Sponsors: Carrie Maffeo *Butler University*, Jason Range *Butler University*

09:00 AM – An Evaluation of *Clostridium difficile* Infection Treatment at Wishard Health Services

Albert Chen, Emily Pflaum *Butler University*. Faculty Sponsor: Kendra Atkinson *Butler University*

09:15 AM – Assessing the Safety of Tolvaptan Administration

Adam Arnold, Janelle Kummick, Lisa Tomes *Butler University*. Faculty Sponsor: Kena Lanham *Butler University*

09:30 AM – Changes in Student Perceptions toward the Elderly Following a Health Education Series

David Martin, Shefali Patel *Butler University*. Faculty Sponsor: Sarah Nisly *Butler University*

09:45 AM – The Effects of Precooling in a Thermohostile Environment

Brock Harkness *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

Pharmacy & Health Sciences Session 5

Moderator: Deborah Zeitlin

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

08:30 AM – Enoxaparin Anti-Xa Monitoring Study

Erik Angelotti, Lauren Levine, Nicole Pallme *Butler University*. Faculty Sponsor: Dane Shiltz *Butler University*

08:45 AM – Evaluation of the Reliability of a Newly Implemented Rubric for Care Plan Grading in a Team Taught Pharmacy Therapeutics Case Course

Katee Lira, Kelsey Schultz, Stephanie Smith *Butler University*. Faculty Sponsors: Cathy Ramey, Tracy Sprunger *Butler University*

09:00 AM – Linezolid-Associated Thrombocytopenia in Children with Renal Impairment

Heather DeYoung, Sara Jones *Butler University*. Faculty Sponsors: Chad Knoderer, Kristen Nichols *Butler University*

09:15 AM – Prevalence of Oral Supplementation to Injectable Paliperidone

Farhan Hasan, John LeHew, Ashley Tewksbury *Butler University*. Faculty Sponsor: Laura Ruekert *Butler University*

09:30 AM – Active and Passive Cigarette Smoke and Exercise

Becky Roberts *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

09:45 AM – Heparin USP Changes and the Corresponding Effect on Time to Therapeutic aPTT Levels: A Retrospective Chart Review

Craig Mathews, John Venable *Butler University*. Faculty Sponsors: Carolyn Jung, Christie Mock *Butler University*

Pharmacy & Health Sciences Session 6

Moderator: Carrie Jung

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

10:15 AM – Assessing the Health Literacy within a Pre-Pharmacy Class

Sterling Bigler, Elizabeth Mullenex *Butler University*. Faculty Sponsor: Jessica Wilhoite *Butler University*

10:30 AM – Effects of Forced Convection on Thermoregulation

Sarah Shaw *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

10:45 AM – Pharmacy Students' Perceptions of Their Future Role in Community Health

Sarah McCullough *Butler University*. Faculty Sponsor: Carriann Smith *Butler University*

11:00 AM – Daptomycin Treatment for Patients with Spondylodiscitis: A Retrospective Case Series

David Blunk, Marcus Fields, Kyle Keith *Butler University*. Faculty Sponsor: Jarrett Amsden *Butler University*

11:15 AM – Evaluation of Cell Phone Based Software for the Control of Diabetes Mellitus

Greg Miller, Nick Peters *Butler University*. Faculty Sponsor: Kristal Williams *Butler University*

11:30 AM – Impact of a Pharmacy-Led Drug-Interaction Screening Program for Patients Receiving Triple Therapy for Hepatitis C Virus Infection and Assessment of Adverse Effects of Triple Therapy Use in the General Population

Kathleen Shannon, Shelby Neff *Butler University*. Faculty Sponsor: Carolyn Jung *Butler University*

Pharmacy & Health Sciences Session 7

Moderator: Annette McFarland

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

10:15 AM – Impacting the Youth: Assessing and Educating the Youth on Skin Protection and Skin Cancer Prevention

Veronica Hui *Butler University*. Faculty Sponsor: Jane Gervasio *Butler University*

10:30 AM – Medical Insurance Coverage for Diabetes Camp

Emily Dubord *Butler University*. Faculty Sponsor: Chad Knoderer *Butler University*

10:45 AM – Proper Medication Disposal: Organizing a Medication Collection Event

Jamie Getty, Scott Keillor, Jessica Morris *Butler University*. Faculty Sponsor: Annette McFarland *Butler University*

11:00 AM – Asthma: An Educational Children's Book

Kelsey Bauman, Megan Granger. Faculty Sponsors: Erin Albert, Stephenie Fernhaber, Kathryn King, Julia Koehler, Angela Lupton, Gautum Rao *Butler University*

11:15 AM – Awareness of Disease Mongering amongst Pharmacists and Pharmacy Students

Sarah Flaherty *Butler University*. Faculty Sponsor: Michael Vance *Butler University*

11:30 AM – Effects of Compression Garments in Thermoneutral and Thermohostile Environments

Shane Bielko *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

11:45 AM – Everyone Comes to the Pharmacy for Something: Community Pharmacist Perceptions about Rapid HIV Testing

Kelsey Coy *Butler University*. Faculty Sponsor: Priscilla Ryder *Butler University*

Pharmacy & Health Sciences Session 8

Moderator: Dennis Gardner

10:15 AM – 11:45 PM Pharmacy & Health Sciences 106

10:15 AM – Assessing the Incidence of Overutilization of PPIs in Hematologic Patients

Dana D'Urso, Ashley Goehler, Kelsey Young *Butler University*. Faculty Sponsor: Jill Leslie *Butler University*

10:30 AM – The Use of Intravenous Immune Globulin (IVIG) for Treatment of *Clostridium difficile*

Pamela Gesellchen, Katie Wilson *Butler University*. Faculty Sponsor: Jarrett Amsden *Butler University*

10:45 AM – Contributions of Community Pharmacists to Medication Use in K-12 Schools

Morgan Pepmeier *Butler University*. Faculty Sponsor: Carriann Smith *Butler University*

11:00 AM – Effects of Hydration Practices During Exercise in a Thermohostile Environment

Caitlyn Bowman *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

11:15 AM – Recipes, Tips, and Tricks for Healthy Eating

Ryan Cash, Ali Leick *Butler University*. Faculty Sponsor: Carrie Maffeo *Butler University*

11:30 AM – Student-Pharmacist Facilitation of Group-Based Diabetes Self-Management Education

Claire Lesko, Steven Swank *Butler University*. Faculty Sponsors: Alison Walton, Jessica Wilhoite, Kristal Williams *Butler University*

Pharmacy & Health Sciences Session 9

Moderator: Lindsay Saum

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

10:15 AM – Recipes, Tips, and Tricks for Healthy Eating

Annie Collins, Erin Latta *Butler University*. Faculty Sponsor: Carrie Maffeo *Butler University*

10:30 AM – Assessment of Inappropriate Prescribing of Proton Pump Inhibitors at Discharge and Associated Adverse Outcomes

Kristen Cheek, Amanda Coomer, Amanda Williams *Butler University*. Faculty Sponsor: Lindsay Saum *Butler University*

10:45 AM – Establishing a Pharmacy Presence within a Hispanic Community in an Outpatient Primary Care Center

Lindsey Andres, Kristen Backe *Butler University*. Faculty Sponsor: Chad Knoderer *Butler University*

11:00 AM – Evaluating the Effectiveness of a Community Health Screening: A Retrospective Observational Study

Bill Burke, Tyler Hensley, Anthony Liszewski *Butler University*. Faculty Sponsors: Allen Antworth, Carrie Maffeo *Butler University*

11:15 AM – Evaluation and Comparison of Butler University Students' Knowledge of Substance Abuse

Courtney Albers, Kirstin Furlong *Butler University*. Faculty Sponsor: Kevin Tuohy *Butler University*

11:30 AM – Internal Cooling During Exercise in the Heat

Elizabeth Sparks *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

11:45 AM – Pharmacist Licensing Requirements and Procedures: Creating a Reference Guide for Graduating Pharmacy Students

Inderjit Ajimal, Jacquelyn Proffitt *Butler University*. Faculty Sponsor: Erin Albert *Butler University*

Pharmacy & Health Sciences Session 10

Moderator: Dane Shiltz

10:15 AM – 11:45 PM Pharmacy & Health Sciences 156

10:15 AM – Evaluation of Cell Phone-Based Software for the Control of Diabetes Mellitus

Jay Dorsch, Ryan Mitchell *Butler University*. Faculty Sponsor: Kristal Williams *Butler University*

10:30 AM – Evaluation of Prothrombin Complex Concentrate Following Cardiac Surgery

Michael Carter, Vishal Ooka *Butler University*. Faculty Sponsor: Kena Lanham *Butler University*

10:45 AM – *Pseudomonas aeruginosa* and *Streptococcus pneumoniae* Minimum Inhibitory Concentration (MIC) Distribution at Two Indianapolis Hospitals

Colleen Linsenmayer, Stacy Smoler *Butler University*. Faculty Sponsors: Kendra Atkinson, Kristen Nichols *Butler University*

11:00 AM – Efficacy of Vitamin C Supplements in the Prevention of Cancer: A Meta Analysis of Randomized Controlled Trials

Bobae Lee *Huntington University*. Faculty Sponsors: Bruce Evans, Seung-Kwon Myung *Huntington University*

11:15 AM – Evaluation of a Primary Care Clinic-Based Medication Therapy Management (MTM) Program

Anne Nelson *Butler University*. Faculty Sponsors: Amanda Place, Jessica Wilhoite *Butler University*

11:30 AM – Retrospective Evaluation of Methotrexate Elimination when Co-Administered with Proton Pump Inhibitors

Devon Bascom, Brandon Rensing *Butler University*. Faculty Sponsor: David Reeves *Butler University*

11:45 AM – Pharmacy Immersion Camp 2012

Melissa Locke *Butler University*. Faculty Sponsor: Kristal Williams *Butler University*

PHILOSOPHY AND RELIGION

Philosophy & Religion: Nature, Culture, and the Good

Moderator: Tiberius Popa

12:30 PM – 02:00 PM Jordan Hall 207

12:30 PM – The Efficacy of Mapuche Medicinal Herbs from a Religious Perspective

Kala Ghooray *Butler University*. Faculty Sponsor: John Esteb *Butler University*

12:45 PM – Being, Becoming, Tao

Zachary Gittrich *DePaul University*. Faculty Sponsor: William McNeil *DePaul University*

01:00 PM – The Ethics of Inter-Cultural Feminist Intervention

Kirsten Boles *Butler University*. Faculty Sponsor: Chad Bauman *Butler University*

01:15 PM – Environmental Ethics and Urban Agriculture

Kate Langdon *Butler University*. Faculty Sponsor: Harry van der Linden *Butler University*

01:30 PM – Virtue in Society

Adam Hilgenkamp *Butler University*. Faculty Sponsor: Richard McGowan *Butler University*

PHYSICS

Physics Session 1

Moderator: Xianming Han

09:00 AM – 10:30 AM Gallahue Hall 348

09:00 AM – Emissivity of β -Cloth Covered Orbital Replacement Units after 8.6 Years Exposure to Low Earth Orbit

Alyssa Loos *Manchester College*. Faculty Sponsors: Gregory Clark *Manchester College*, Jim Gaier *NASA*

09:15 AM – Extremal Black Hole Entropy in Higher Derivative Gravity

Mark Klehfoth *Indiana University-South Bend*. Faculty Sponsor: Rolf Schimmrigk *Indiana University-South Bend*

09:30 AM – Search for Very High Energy Radiation in Black-Widow Type Millisecond Pulsar Systems

Cameron Gray, Tyler Williamson *Anderson University*. Faculty Sponsor: John Millis *Anderson University*

09:45 AM – Faraday Rotation and Magnetic Response of Magnetite Nanoparticles

John Moore *Rose-Hulman Institute of Technology*. Faculty Sponsor: Maarij Syed *Rose-Hulman Institute of Technology*

10:00 AM – Laser Optogalvanic Investigations of the Argon 696.5nm and 706.7nm Transitions

Frederick Rastede *Butler University*. Faculty Sponsor: Xianming Han *Butler University*

Physics Session 2

Moderator: Gonzalo Ordonez

10:45 AM – 12:00 PM Gallahue Hall 348

10:45 AM – Pulsed Magnetic Field Optimization, Implementation, and Verification For Faraday Rotation Experimental Setup

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

11:00 AM – RF Activation of Gold Nanoparticles for Applications in Cancer Therapies

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

11:15 AM – Simulation of a 2-electron Coupled State in a Quantum Wire

Adam Kidd *Butler University*. Faculty Sponsor: Gonzalo Ordonez *Butler University*

11:30 AM – Water Splitting in Photosystem II

Emily Ehlerding *Manchester College*. Faculty Sponsors: Gregory Clark, Christer Watson *Manchester College*

POLITICAL SCIENCE

Political Science: Contradictions and Tensions in Contemporary American Politics

Moderator: Robin L. Turner

01:30 AM – 03:00 AM Jordan Hall 348

01:30 PM – Recent Trends in the Status of Religious Freedom in the United States

Aaron Johnson, Suzanne Neefus *Taylor University*. Faculty Sponsor: Nicholas Kerton-Johnson *Taylor University*

01:45 PM – Shifting Focus of Development: Historical Lineage of Criticism Leading to Change

Stephen Battiato *Marian University*. Faculty Sponsor: Pierre Atlas *Marian University*

02:00 PM – Comparing Neoliberal Reforms in Chile and the United States

Ryan Daugherty *Anderson University*. Faculty Sponsors: Daniel Allen, Michael Frank *Anderson University*

02:15 PM – A Prison for both Our Bodies and Our Minds: A Critical Examination into the Politics of Domination and the Authoritative Gaze in American Public School Systems

Tia Osborne *Butler University*. Faculty Sponsor: Robin Turner *Butler University*

02:30 PM – Dwindling Resources and Alternative Energy Resources: An American Study

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

PSYCHOLOGY

Psychology Session 1: Developmental I

Moderator: Robert Padgett

09:00 AM – 10:15 AM Jordan Hall 236

09:00 AM – College Students' Perceptions of Child Soldiers

Jeremy Gibson *Indiana University-Kokomo*. Faculty Sponsor: Kathryn Holcomb *Indiana University-Kokomo*

09:15 AM – Familiarity with Foster Care: Relationship to Stereotypes and Knowledge

Kathleen Terhune *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

09:30 AM – Father Involvement and Attachment Security

Nicholas Overstreet *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

09:45 AM – Parental Marital Status, Self-Esteem, and Attachment Style

Chelsie Oesch *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

10:00 AM – Sibling Disability, Well-Sibling Hardiness, and Family Response to Crisis

Neil Eliason *Anderson University*. Faculty Sponsor: Wayne Priest *Anderson University*

Psychology Session 2: Health & Social I

Moderator: R. Brian Giesler

09:00 AM – 10:45 AM Jordan Hall 242

09:00 AM – To Tell or Not to Tell? That is the Question for Women Living with Chronic Illnesses

Natalie Sachs *Ball State University*. Faculty Sponsor: Heather Adams *Ball State University*

09:15 AM – Chronic Illness and Identity Continuity

Ashleigh Bingham *Ball State University*. Faculty Sponsor: Heather Adams *Ball State University*

09:30 AM – Optimism, Self-Efficacy, and Physical Illness

Victoria Leedy, Grace Stephenson *Hanover College*. Faculty Sponsor: Bill Altermatt *Hanover College*

09:45 AM – Religiosity, Self-Esteem, and Fear of Death

Sean Kershaw *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

10:00 AM – The Effects of Mortality Salience on Decision Making Using a Framing Task

Krystal Nugent, Samantha Nicholas *Hanover College*. Faculty Sponsor: Ellen Altermatt *Hanover College*

10:15 AM – To Live is to Die: The Effect of Mortality Salience on Fear of Death

Tony Bergamini *Butler University*. Faculty Sponsor: Amanda Gingerich *Butler University*

10:30 AM – Using Non-conscious Priming to Influence Snack Choice: A Replication

Nate Moss *Butler University*, Rachel Soberman *Butler University*. Faculty Sponsor: R. Brian Giesler *Butler University*

Psychology Session 3: Social, Sexuality, & Cognition 1

Moderator: Tara Lineweaver

09:00 AM – 10:15 AM Jordan Hall 238

09:00 AM – A Study of How People Understand Their Sex Education

Jeremy Smith, Heather Dombrowsky *Hanover College*. Faculty Sponsor: Stephen Dine Young *Hanover College*

09:15 AM – Close Relationships

Kaylee Searles *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

09:30 AM – First Date Social Scripts

Rachel Jones *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

09:45 AM – The Exploration and Affirmation of American Identity and its Relationship with Intercultural Sensitivity

Josey Dies *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

10:00 AM – The Influence of Personality, University Commitment, and Support on Academic Success

Gabriella Steele *Marian University*. Faculty Sponsor: David Rusbasan *Marian University*

Psychology Session 4: Clinical

Moderator: Joel Martin

09:30 AM – 12:00 PM Jordan Hall 203

09:30 AM – Ecological Momentary Assessment of Exercise Patterns among First-Semester Freshmen

Hannah Woodard, Tiffany LeFever *Indiana Wesleyan University, Marion*. Faculty

Sponsors: Doug Daugherty, Jason Runyan, Tim Steenbergh *Indiana Wesleyan University, Marion*

09:45 AM – "The Freshmen Fifteen:" An Ecological Momentary Assessment of Perceived Eating Behavior

Jana Hunsley *Indiana Wesleyan University, Marion*. Faculty Sponsors: Doug Daugherty,

Jason Runyan, Tim Steenbergh *Indiana Wesleyan University, Marion*

10:00 AM – Codependency, Depression, and Parental Alcoholism

Allison Nichols *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

10:15 AM – Media Exposure and Body Esteem among College Women

Jessica Slagle *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

10:30 AM – Eating Attitudes and Perception of Eating Behaviors

Jacqueline Marsh *Butler University*. Faculty Sponsor: Joel Martin *Butler University*

10:45 AM – The Effect of Stress on Impulsivity in Decision Making

Faith Kellermeyer *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

11:00 AM – Emotional Intelligence and the Perception of Getting Married at a Young Age

Alicia Dittman, Katie Groeneveld, Haley Keith *Huntington University*. Faculty Sponsor:

Carrie Lloyd *Huntington University*

11:15 AM – Hope, Life Satisfaction, and Motivation

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

11:30 AM – Self-Control and Delay of Gratification in College Students

Sarah Armstrong, Jessica McKinley *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

11:45 AM – Students' Perceptions of Campus Drinking Policy

Stephanie Mihich, Giuliana Ruiz-Moreno *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

Psychology Session 5: Developmental II

Moderator: Robert Padgett

10:30 AM – 12:00 PM Jordan Hall 236

10:30 AM – International and American Students Acclimation to College: Based on Maslow's Hierarchy of Needs

Jessica Krause *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

10:45 AM – Motivators for Obtaining Advanced Degrees in Today's Society

Cassandra Rehmel, Caroline Mulhall *Hanover College*. Faculty Sponsor: Stephen Dine Young *Hanover College*

11:00 AM – Bullying at the Collegiate Level: a Case Study

Katlyn Hogue, Marissa Disbrow *Hanover College*. Faculty Sponsor: Stephen Dine Young *Hanover College*

11:15 AM – Developmental Changes in the Gait of African Elephants

Megan Houchin *Butler University*. Faculty Sponsor: Robert Dale *Butler University*

11:30 AM – Elephant Calf Social Interactions

Nicole Lyons *Butler University*. Faculty Sponsor: Robert Dale *Butler University*

11:45 AM – Wait! Wait! Medicate! Meds Don't Determine ADHD Students' Fate

Abby Dye, Ellen Kendall *Butler University*. Faculty Sponsors: Tara Lineweaver and Suneeta Kercood *Butler University*

Psychology Session 6: Health & Social II

Moderator: R. Brian Giesler

11:00 AM – 12:00 PM Jordan Hall 242

11:00 AM – Long Term Effects of Positive Affect During Goal Adoption

Katherine Adams *Butler University*. Faculty Sponsor: R. Brian Giesler *Butler University*

11:15 AM – Spirituality, Religiosity and Health: The Mediating Role of Self-Regulation

Timothy Burks, Sarah Rodenkirch *Butler University*. Faculty Sponsor: R. Brian Giesler *Butler University*

11:30 AM – Caring for Yourself While Living with a Chronic Illness

Marlenne Devia *Ball State University*. Faculty Sponsor: Heather Adams *Ball State University*

11:45 AM – Using Mindfulness Based Stress Reduction to Reduce Cancer Related Fatigue

Erin Holm, Natalie Nusinow, Paige Poure *Butler University*. Faculty Sponsor: R. Brian Giesler *Butler University*

Psychology Session 7: Social, Sexuality, & Cognition 2

Moderator: Tara Lineweaver

10:30 AM – 12:00 PM Jordan Hall 238

10:30 AM – The Association between Heaviness and Pricing

Katie Owen *Indiana Wesleyan University, Marion*. Faculty Sponsor: Erin Devers *Indiana Wesleyan University, Marion*

10:45 AM – The Role of Working Memory Capacity on the Effects of Positive and Negative Feedback on Memory Tasks

Andrew Snelling *Hanover College*. Faculty Sponsor: John Krantz *Hanover College*

11:00 AM – Video's Impact on Procedural Learning

Carin Smith *Ball State University*. Faculty Sponsor: Darrell Butler *Ball State University*

11:15 AM – Alive and Kicking! Aging and Physical Activity

Jennifer Kugler, Alessandra Rabellino *Butler University*. Faculty Sponsor: Tara Lineweaver *Butler University*

11:30 AM – Who Are You? Strategies for Remembering Names, Faces, and Other Information Vary With Age

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

Psychology Session 8: Cognitive I

Moderator: Amanda Gingerich

01:00 PM – 02:45 PM Jordan Hall 238

01:00 PM – Basketball, Football, and Swimming, Oh My! A Cognitive Comparison of Team versus Individual Sports

Elyse Morgan, Shelby True, Colleen Frank, Scott McLuckie, Mack Reed *Butler University*. Faculty Sponsors: Tara Lineweaver and Suneeta Kercood *Butler University*

01:15 PM – Cat and Dog? Or Cat and Hat?: Semantic and Phonological False Memories in English/Spanish Bilinguals

Alaina Rodriguez *Butler University*, Amber Sapp *Butler University*. Faculty Sponsor: Tara Lineweaver *Butler University*

01:30 PM – Attention! Let the Battle of the Sexes Begin: Working Memory and Self Perceptions in ADHD and Non-ADHD College Students

Jennifer Kugler *Butler University*. Faculty Sponsors: Tara Lineweaver and Suneeta Kercood *Butler University*

01:45 PM – Gender Dependent Flashbulb Memories of Sexual vs. Emotional Infidelity

Ryan Bable, Christine Fisher *Butler University*. Faculty Sponsor: Neil Bohannon III *Butler University*

02:00 PM – The Effects of Evolutionary Desires and Initiation on Romantic Memories

Danielle Vaclavik *Butler University*. Faculty Sponsor: Neil Bohannon III *Butler University*

02:15 PM – Election 2008: Flashbulb Memories of Barack Obama’s Election to Presidency

Jasmen Rice *Butler University*. Faculty Sponsor: Neil Bohannon III *Butler University*

02:30 PM – Remembering the One that Got Away: Take Tylenol

Karina Hamamouche, Ryan Bable, *Butler University*. Faculty Sponsor: Neil Bohannon III *Butler University*

Psychology Session 9: I/O, Social, & Positive Psychology I

Moderator: Robert Dale

01:00 PM – 02:15 PM Jordan Hall 236

01:00 PM – Feel it, Don’t Fake it: Deep Acting and Perceptions of Feedback Utility

Eileen Toomey *Butler University*. Faculty Sponsor: Alison O’Malley *Butler University*

01:15 PM – The Role of Work-School Facilitation and Social Support on the Outcomes of Work-School Conflict

Courtney Laughman *Marian University*. Faculty Sponsor: David Rusbasan *Marian University*

01:30 PM – Predictors of Procrastination in College Students

Grace Yoder *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

01:45 PM – The Effects of Appearance on Helping Behavior

Courtney Prater, Amanda Trambaugh *Hanover College*. Faculty Sponsor: Bill Altermatt *Hanover College*

02:00 PM – The Effects of Team-Building Activities and Personality on Social Loafing

Andrew Bates, Michelle Wheeler *Hanover College*. Faculty Sponsor: Ellen Altermatt *Hanover College*

Psychology Session 10: Sport & Social I

Moderator: Andrew Butler

01:00 PM – 02:15 PM Jordan Hall 203

01:00 PM – Influence of Accurate Versus False Positive Feedback on Performance

Kendra Morin *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

01:15 PM – Is There Extreme Task Specificity of Cross Education?

Emily Runyan *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

01:30 PM – The Effect of Music Tempo on Cardiac Response at Rest and During Exercise

Ashleigh Burakiewicz *Hanover College*. Faculty Sponsor: Bryant Stamford *Hanover College*

01:45 PM – Enhancing Access for African-Americans in a Local Drug Court

Kyle Sofolo *Indiana Wesleyan University, Marion*. Faculty Sponsors: Doug Daugherty, Tim Steenbergh *Indiana Wesleyan University, Marion*

02:00 PM – The Role of Visual Orientation in Determining Forgiveness

Taylor Spear, Hannah Woodard, Ashley Gallaway *Indiana Wesleyan University, Marion*. Faculty Sponsor: Erin Devers *Indiana Wesleyan University, Marion*

Psychology Session 11: I/O, Social, & Positive Psychology II

Moderator: Robert Dale

02:30 PM – 04:00 PM Jordan Hall 236

02:30 PM – The Effects of Facebook Public Displays of Affection on Relationship Satisfaction

Tosha Ireland *Anderson University*. Faculty Sponsor: Laura Stull *Anderson University*

02:45 PM – An Analysis of Concept Map Construction and Rating Interface for Utilization as an Assessment Instrument

Natalie Strzok *Ball State University*. Faculty Sponsor: Darrell Butler *Ball State University*

03:00 PM – Using Ecological Momentary Assessment (EMA) to Examine Factors Associated with Subjective Well-Being

Emily Price, Emilio Santellana, Emily Ragsdale *Indiana Wesleyan University, Marion*. Faculty Sponsor: Doug Daugherty *Indiana Wesleyan University, Marion*

03:15 PM – Consumers’ Processing of Organic, Natural, and Standard Labeling

Daniel Turnbow, Erica Bewley *Hanover College*. Faculty Sponsor: John Krantz *Hanover College*

03:30 PM – Reality Television and Narcissism: An Experimental Investigation

Nathaniel Borden, Robby Hechinger *Wabash College*. Faculty Sponsor: Robert Horton *Wabash College*

Psychology Session 12: Sports & Social II

Moderator: Andrew Butler

02:30 PM – 03:30 PM Jordan Hall 203

02:30 PM – Extra-Curricular Involvement in the College Population: Differences in Self Esteem and Commitment to School

Kristin Miller *Marian University*. Faculty Sponsor: Laurel Camp *Marian University*

02:45 PM – Actions Speak Louder than Words: Dealings and Thoughts Concerning Race

Erica Isenberg, Meagan Dean *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

03:00 PM – Maintenance Behaviors in Romantic Relationships

Cecelia Fyfe *Hanover College*. Faculty Sponsor: Ellen Altermatt *Hanover College*

03:15 PM – The Effect of Disgust on Moral Behavior

Natalie Morse, Sarah Quebe *Hanover College*. Faculty Sponsor: Bill Altermatt *Hanover College*

Psychology Session 13: Cognitive II

Moderator: Amanda Gingerich

03:00 PM – 04:00 PM Jordan Hall 238

03:00 PM – Social Contagion in an Idea Generation Task

Danielle Markowitz, Jack Buckley *Butler University*. Faculty Sponsor: Amanda Gingerich *Butler University*

03:15 PM – Effects of Retrieval Practice and Presentation Modality on Verbal Learning

Aimee Wilkinson *Butler University*. Faculty Sponsor: Amanda Gingerich *Butler University*

03:30 PM – The Effects of Mood on Reality Monitoring and Metacognition

Tony Bergamini, Hilary Shepherd *Butler University*. Faculty Sponsor: Amanda Gingerich *Butler University*

03:45 PM – The Implications of Divided Attention on Theories of False Memory

Ravi Patel *Butler University*. Faculty Sponsor: Amanda Gingerich *Butler University*

SOCIOLOGY

Sociology Session 1: Media and Society

Moderator: Antonio Menéndez-Alarcón

09:00 AM – 10:45 AM Jordan Hall 340

09:00 AM – A Comparative Analysis of Crime Shows in Australia, Canada, the United Kingdom and the United States

Laura Spieth *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon-Alarcon *Butler University*

09:15 AM – Effects of Electronic Communication on Face-to-Face Confrontation

Colleen Bulow, Bethany Garling, Amy Wise *Valparaiso University*. Faculty Sponsor: Matt Ringenberg *Valparaiso University*

09:30 AM – Diversity in the Media

Jane Hurdish, Emily Penn, Ashley Watson *Valparaiso University*. Faculty Sponsor: Matt Ringenberg *Valparaiso University*

09:45 AM – Reality Television: *Teen Mom* and *16 and Pregnant*, What Message is Really Being Sent to our Youth?

Amanda Nole *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

10:00 AM – Socialized Gender Differences through the Perception of Jersey Shore

Kristina Gogic *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

10:15 AM – Objectification of Women in *America's Next Top Model*

Chelsea Rothschild *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

Sociology Session 2: Social Stratification

Moderator: Katherine Novak

09:00 AM – 10:45 AM Jordan Hall 344

09:00 AM – Healthy Living in Poverty: A Study on Bridges to Health Community Health Clinic

Nathan Benefield, Keli Miller, Mary Zeuch *Indiana Wesleyan University, Marion*. Faculty Sponsor: Katti Sneed *Indiana Wesleyan University, Marion*

09:15 AM – Socioeconomic Status and its Effect on Violence in the Home

Kim Koehler *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

09:30 AM – The Effectiveness of the Safe Delivery Law to Those in Need

Christin Harris *Central Michigan University*. Faculty Sponsor: Elizabeth Whitaker
Central Michigan University

09:45 AM – Upper Class Enclave Identity: A Case Study of the Golden Hill Community
Bradley Vogelsmeier *Butler University*. Faculty Sponsor: Ken Colburn *Butler University*

10:00 AM – Anorexia Nervosa and Social Class
Angela Toth *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

10:15 AM – Empowerment: A Comparison Study between Food Pantries and Cooperatives
Alex Allison, Tabea Meyer, Ana Tadic, Alexa Binkley *Indiana Wesleyan University, Marion*. Faculty Sponsor: Katti Sneed *Indiana Wesleyan University, Marion*

Sociology Session 3: College Students' Lifeworld

Moderator: Ben Drury

10:45 AM – 12:15 PM Jordan Hall 340

10:45 AM – Awareness of Contraceptive Availability at Valparaiso University
Katherine Cole, Charlotte Johnson, Megan Marimen *Valparaiso University*. Faculty Sponsor: Matt Ringenberg *Valparaiso University*

11:00 AM – College Students' Perceptions of Conflict and Their Relationship with Their Parents Based on Birth Order
Laura Fennelly *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

11:15 AM – College Women's Views on Gender Roles: Is Pinterest Usage Related to Traditional Feminine Attitudes?
Kristina Kiefer *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

11:30 AM – Participation in Intercollegiate Athletics and In and Out of Season Academic Achievement
Brett Thomaston *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

11:45 AM – Theft at Butler University
Hailee Freeman *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

12:00 PM – The Relationship between Self Image, Peer Pressure, and Drinking Behavior Among College Students
Katherine Sheehan *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

Sociology Session 4: Diverse Social Issues

Moderator: Kenneth Colburn

10:45 AM – 12:30 PM Jordan Hall 344

10:45 AM – Who Cares About Police Use of Force?
Jeremy Algate *Butler University*. Faculty Sponsor: Krista Cline *Butler University*

11:00 AM – Fathers' Influence on Criminal Development
Lauren Brown *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

11:15 AM – It's Like SpongeBob: Alternative Spiritual Beliefs Range and Functions at a Small Faith-Based University
Chris Owens *Marian University*. Faculty Sponsor: Bill Mirola *Marian University*

11:30 AM – Keep the Faith: A Study of Fowler's Faith Development among College-Age LGBTQ

Alli Wilson, Nicole Binkley, Tita Dunbar, Betty Tonui *Indiana Wesleyan University, Marion*. Faculty Sponsor: Katti Sneed *Indiana Wesleyan University, Marion*

11:45 AM – Knowledge of Sex Trafficking

Taylor Fuller, Alyssa Kasper, Abby Matter, Kenneth Sharp *Valparaiso University*. Faculty Sponsor: Matt Ringenberg *Valparaiso University*

12:00 PM – The Sexualization of Pre-Adolescent Girls in American Society through the Lens of *Toddlers & Tiaras*

Meghan Brady *Bellarmino University*. Faculty Sponsor: Curtis Bergstrand *Bellarmino University*

12:15 PM – Too Tired To Teach: A Study of Compassion Fatigue among Public School Educators

Megan Thompson, Kailyn Wallace, Billy Bosquez, Jonathan Burden *Indiana Wesleyan University, Marion*. Faculty Sponsor: Katti Sneed *Indiana Wesleyan University, Marion*

Sociology Session 5: Interactions

Moderator: Marvin Scott

12:30 PM – 01:30 PM Jordan Hall 340

12:30 PM – Black Women & Intermarriage: A Comparative Study of Divorce Occurrence & Marriage Success among Black Interracial and Same-Race Marriages

LaMeshia Hayes *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

12:45 PM – Inter-Ethnic Marriage and Integration

Nicole Hummel *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

01:00 PM – Love in a Melting Pot: Understanding Bicultural Relationships Through Couples in the Netherlands and the United States

Katelin Biermann *Butler University*. Faculty Sponsor: Krista Cline *Butler University*

01:15 PM – International Transplant Tourism and Organ Trafficking: An Inquiry on Common Black Market Practices

Mallory Caudill *Butler University*. Faculty Sponsor: Antonio Menendez-Alarcon *Butler University*

ART EXHIBITION

09:00 AM – 03:00 PM Irwin Library

Minimal Reading

Taylor Cox *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

Paracosm

Abby Hart *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

The Menagerie

Ben Fox *Butler University*. Faculty Sponsor: Elizabeth Mix *Butler University*

POSTER PRESENTATIONS

SESSION 1

09:30 AM – 10:30 AM Irwin Library

PSYCHOLOGY

Cross-Validation of Four Indicators of Malingering

Meredith Cors, Courtney Mensing, Noah Kasper, Cassondra McGushion *Manchester College*. Faculty Sponsor: Russell Coulter-Kern *Manchester College*

Diversity on a University Campus

Minkailu Mambu, Hannah Bradley *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

A Subordinate Elephant's Behavior Changes When Other Elephants are Present

Anna Tirman *Butler University*. Faculty Sponsor: Robert Dale *Butler University*

Effects of Self-Perception and False Feedback on Short-Term Memory Performance

Rodney Burton *Indiana University/Purdue University at Columbus*. Faculty Sponsor: Thomas Redick *Indiana University/Purdue University at Columbus*

Elephant Calf Proximity to Mother Changes Over Time

Heather Bates *Butler University*. Faculty Sponsor: Robert Dale *Butler University*

Emotion Enhances Information Preceding the Arousing Event

Renato Puga *Butler University*. Faculty Sponsor: Neil Bohannon III *Butler University*

Equine Facilitated Learning: Its Impact on Post-9/11 Veterans

Emma Campbell, Julie Debish, Toria Poore, Kelsey Rosselli, Katelyn Gosnell, Ariel Underwood *Saint Mary-of-the-Woods College*. Faculty Sponsor: Jackie Fischer *Saint Mary-of-the-Woods College*

Interactive Multimedia's Positive Impact on Learning

Kathryn Poznanski, Natalie Strzok, Carin Smith *Ball State University*. Faculty Sponsors: Darrell Butler, Nate Ring *Ball State University*

Keep Calm and Carry On: An International Comparison of Stress in Law Enforcement

Holly Buckman *Valparaiso University*. Faculty Sponsor: Amanda Zelechowski *Valparaiso University*

Last is Best

Brock Sumner *Ball State University*. Faculty Sponsor: Lambert Deckers *Ball State University*

Love across the Lifespan: The Effect of a Person's Age and Relationship Status on His or Her Perception of Romantic Love

Kelsey Merrick, Gina Boucouras *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

Parental Involvement and College Student Academic Success

Ashley Landrum, Louise Magiera, John McCall *Manchester College*. Faculty Sponsor: Marcie Coulter-Kern *Manchester College*

Prayer and Physical Strength

JoAnna Osborne, Kami Stutzman, Samantha Lowry *Indiana Wesleyan University, Marion*. Faculty Sponsor: Erin Devers *Indiana Wesleyan University, Marion*

Psychology Student Beliefs about Graduate School Admission Criteria

Kyle Knepp, Jordan Littlejohn *Manchester College*. Faculty Sponsor: Russell Coulter-Kern *Manchester College*

Reasons Why Students Return to College: A Mixed Methods Analysis

Derek Jones, Andrew Kurtz *Manchester College*. Faculty Sponsor: Marcie Coulter-Kern *Manchester College*

Students' Perception of Sexual Assault at a Small Liberal Arts College

Trinity Schelich, Brandy Leeper *Manchester College*. Faculty Sponsor: Russell Coulter-Kern *Manchester College*

Test Anxiety: How College Students' Self-Efficacy Influences Confidence in Testing Ability

Samantha Dunn, Jennifer Barrows *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

The Effects of Touch on Homophobia

Sonja Kellogg *Indiana Wesleyan University, Marion*. Faculty Sponsor: Erin Devers *Indiana Wesleyan University, Marion*

The Effects of Vocal Cue-Training on Lie Detection

Ashlea Koehl, Jessica Bostic *Manchester College*. Faculty Sponsor: Marcie Coulter-Kern *Manchester College*

The Influence of Weight on the Perceptions of the Importance of the Bible

Sarah Ringenberg *Indiana Wesleyan University, Marion*. Faculty Sponsor: Erin Devers *Indiana Wesleyan University, Marion*

The Relationship between Job Satisfaction and Job Performance in College Students

Taylor Jantzi, Megan Spice, Kaitlyn DeWitt, Margaret Hess *Manchester College*. Faculty Sponsor: Russell Coulter-Kern *Manchester College*

Treatment of Articulation Disorder Using Overcorrection Procedures

Lennon Mueller *Ohio Christian University*. Faculty Sponsor: Matthew Decker *Ohio Christian University*

Variables Related to Religious Conformity

Cody Blessing, Kayla Carpenter, Leanda Weimer, S. Rykwald *Ohio Christian University*. Faculty Sponsor: Matthew Decker *Ohio Christian University*

Video Games and Academic Performance

Jacob Willinger *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

What Do You Believe? Developing Accurate Measures of Myths and Misconceptions

Christopher Altman, Dana E. Burgan, Natalie Sachs, Carin Smith, Marlenne Devia *Ball State University*. Faculty Sponsors: Darrell Butler, Nate Ring *Ball State University*

POSTER PRESENTATIONS

SESSION 2

11:00 AM – 12:00 PM Irwin Library

BIOLOGY

Allomothering among Captive African Elephants

Laura Beer *Butler University*. Faculty Sponsor: Robert Dale *Butler University*

Broad Spectrum Systemic Acquired Resistance in *Amblystegium serpens*

Christy Tatara *Butler University*. Faculty Sponsor: Nathanael Hauck *Butler University*

Comparing the Effectiveness and Reliability of Different Field Sexing Methods of Eastern Bluebird Fledglings

Kasun Harshana Bodawatta, Natsumi Fearnside *Earlham College*. Faculty Sponsor: Wendy Tori *Earlham College*

Effects of Human Interaction on the Health of Coral Reefs in San Salvador, Bahamas

Nicole Perry, Kayla Ward, Alethia Saba *Wittenberg University*. Faculty Sponsor: James Welch *Wittenberg University*

Effects of Invasive Mosquitofish on Native Bluegill Populations

Elizabeth Tristano *Denison University*. Faculty Sponsor: Jessica Rettig *Denison University*

Evolution: Just a Theory?

Anthony Breitenbach *Indiana University-East*. Faculty Sponsor: Hitesh Kathuria *Indiana University-East*

Examination of Flute, Saxophone, and Trumpet for *S. aueres*, *B. cerues*, and *N. mucosa*

Tiffany York *Manchester College*. Faculty Sponsor: Rachel Polando *Manchester College*

Gene Expression During Systemic Acquired Resistance in *Amblystegium serpens*

Blaine Harlan *Butler University*. Faculty Sponsor: Nathanael Hauck *Butler University*

Hedgehog Signaling Mediates Interferon-gamma Induced Mesenchymal Stem Cell

Matthew Helm *Manchester College*. Faculty Sponsor: Rachel Polando *Manchester College*

Investigation of FSHR-1 Protein Function in Regulating Synaptic Transmission in *C. elegans*

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

Investigation of the Relationship between FSHR-1 and the Anaphase Promoting Complex in Regulating Synaptic Transmission at the *C. elegans* Neuromuscular Junction

Amy Wasilk *Butler University*. Faculty Sponsor: Jennifer Kowalski *Butler University*

Neural Espionage: A Study of Glial Cells Grown in Two and Three Dimensional Culture Media

Helen Dainton *University of Indianapolis*. Faculty Sponsors: Mary Ritke, Douglas Stemke *University of Indianapolis*

Population Genetics in the Redback Salamander *Plethodon cinereus*

Vanessa Wuerthner *Purdue University*. Faculty Sponsor: Rod Williams *Purdue University*

Prevalence of Ranavirus across Indiana

Megan Winzeler *Purdue University*. Faculty Sponsor: Rod Williams *Purdue University*

RSM Series as Inhibitory Compounds for *Staphylococcus aureus* in Endothelial Cells

Lindy Caffo, Christopher Fullenkamp, Tucker Hale, Rachel Pelly, Diana Cordero *Ball State University*. Faculty Sponsors: Susan McDowell, Robert Sammelson *Ball State University*

***Saccharomyces cerevisiae*: ADH7 Variation within Natural vs. Commercial Strains**

Conrad Kresge *Bellarmino University*. Faculty Sponsor: Joanne Dobbins *Bellarmino University*

Seasonal Variance of Hematological Values, Plasma Parameters and Body Condition Index of the Timber Rattlesnake *Crotalus horridus*

Seth LaGrange *Purdue University*. Faculty Sponsor: Rod Williams *Purdue University*

Selective Bacteriophage Screening Targeting GαqQ209L Protein

Abdul Karim Khan *Indiana University/Purdue University at Indianapolis*. Faculty Sponsor: Wayne Hilson *Indiana University/Purdue University at Indianapolis*

Spatiotemporal Variation in Upland Microhabitat Characteristics of the Spotted Salamander

Robert Stenger *Denison University*. Faculty Sponsor: Rebecca Homan *Denison University*

The Effects of Substrate and Predator Presence on the Activity Levels of Two Tadpole Species

Rebecca Jost *Denison University*. Faculty Sponsor: Geoffrey Smith *Denison University*

The Ultrastructure and Histochemistry of Dorsal Cutaneous Glands within the Plethodontid Slimy and Long Tailed Salamanders

Eva Cahill, Aaron Long *Wittenberg University*. Faculty Sponsor: Kevin Gribbins *Wittenberg University*

Ultrastructural Analysis of Spermiogenesis in the Freshwater Turtle, *Graptemys kohnii*

Cady Gannon, Gabrielle Hofmann *Wittenberg University*. Faculty Sponsor: Kevin Gribbins *Wittenberg University*

Ultrastructure of the Mature Spermatids Just Prior to and During Spermiation in *Notophthalmus viridescens*

Jonathan Clinger *Wittenberg University*. Faculty Sponsor: Kevin Gribbins *Wittenberg University*

PHYSICS

Fermi Gamma-ray Space Telescope Data Analysis

Isaac Voegtle, Matthew Farlow *Anderson University*. Faculty Sponsor: John Millis *Anderson University*

High Energy Observations of Pulsar Wind Nebulea

Tyler Williamson, Cameron Gray *Anderson University*. Faculty Sponsor: John Millis *Anderson University*

Quantum Dot Photovoltaics: Utilizing Quantum Coherence through Symmetrical Models to Increase Efficiency

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

Studying Platinum Surfaces with ABINIT

Andrew Ledbetter *DePauw University*. Faculty Sponsor: Antonio Cancio *Ball State University*

POSTER PRESENTATIONS

SESSION 3

12:30 PM – 01:30 PM Irwin Library

POLITICAL SCIENCE

"Going Green" to Save Green?

Aubree Barker, Zachariah Beasley, Phillip Dodson, Robbie Hixon *Franklin College*.
Faculty Sponsor: Randall Smith *Franklin College*

EDUCATION

"Why Do I Always Have to be the Bad Guy?": Violence in Media and Boys' Aggressive Play

Hillary Adams *Butler University*. Faculty Sponsor: Lisa Farley *Butler University*

Creating a Multiplayer Educational Game for Mobile Platforms

Steffan Byrne, Jacob Clark, Alex Hoffman, Wesley Jurica, Tom Mast, Matt Waters, Daniel Johnson *Ball State University*. Faculty Sponsor: Paul Gestwicki *Ball State University*

Eating Breakfast and Test Scores

Marcie McDougle *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

GPA Differences Between Mutually Selected and Paired Roommates

Tyler Skinner *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

Measuring Elementary Teachers' Perceptions as an Initial and Partial Assessment of the Impact of the Indiana Science Initiative

Chelsy Calhoun, Josh Long *University of Southern Indiana*. Faculty Sponsor: Jeff Thomas *University of Southern Indiana*

Multilingual Audio Books to the Rescue of our Gen Ed Classrooms

Megan Donisch, Laura Hoffman *Butler University*. Faculty Sponsor: Susan Adamson *Butler University*

PHARMACY & HEALTH SCIENCES

Amphetamine-Based Stimulants: Potential Adverse Effects of Long-term on Brain and Behavior

Jennifer Babchuk *Indiana University-Bloomington*. Faculty Sponsor: Sarah Phillips *Indiana University-Bloomington*

ANTHROPOLOGY

Mental Illness in South India: An Ethnographic Analysis

William Borders *Indiana University-Bloomington*. Faculty Sponsor: Sarah Phillips *Indiana University-Bloomington*

SUSTAINABILITY, URBAN ECOLOGY, & ENVIRONMENTAL STUDIES

Assessment of the Woolper Creek and Gunpowder Creek Watersheds in Boone County, Kentucky

Christian Mock, Mark Nie *Thomas More College*. Faculty Sponsors: Shannon Galbraith-Kent, Christopher Lorentz *Thomas More College*

Decomposition of Nitroglycerin via Thermophilic Aerobic Composting

Luke Schmid *Ball State University*. Faculty Sponsors: Donald Gilman, John Pichtel *Ball State University*

Groundwater Potential in the Trivandrum Corporation

John Kershaw *Ball State University*. Faculty Sponsor: Jarmila Popovicova *Ball State University*

COMMUNICATION & MEDIA STUDIES

Characteristics of Perceived Opinion Leaders among Journalism Department Professors and Students

Trevor Oakerson *Ball State University*. Faculty Sponsor: Michelle O'Malley *Ball State University*

The Effects of Social Media on Relationships

Mary Whybrew *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

GENDER, WOMEN, & SEXUALITY STUDIES

Elemental: Self Defense Proven Effective through Social Science

Hayley Wolf *Ball State University*. Faculty Sponsors: Mellisa Holtzman, Chad Menning *Ball State University*

The Effects of Women's Clothing: Marriageability as Perceived by Men

Allison Finley, Margaret Slagenwhite *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

Sexual Diversity in a Christian University

Jessica Beaty *Huntington University*. Faculty Sponsor: Carrie Lloyd *Huntington University*

EXERCISE SCIENCE & HUMAN PERFORMANCE

Unilateral Training in Dancers

Hailey Higginbotham *Ball State University*. Faculty Sponsor: Paul Nagelkirk *Ball State University*

SOCIOLOGY

What is Going on in Schools?: Discourse in the Education System

Megan Altemus *Central Michigan University*. Faculty Sponsor: Amanda Garrison *Central Michigan University*

POSTER PRESENTATIONS

SESSION 4

02:00 PM – 03:00 PM Irwin Library

CHEMISTRY

A Polypyridyl Ruthenium(II) Azo-Dye Complex For Use in Dye-Sensitized Solar Cells (DSSC)

Savannah Kapper *Eastern Illinois University*. Faculty Sponsor: Mark McGuire *Eastern Illinois University*

A Low-Temperature Method of Plasma-Enhanced Chemical Vapor Deposition for Carbon Nanotube Growth

Eric Teeman *Rose-Hulman Institute of Technology*. Faculty Sponsors: Scott Kirkpatrick Daniel Morris *Rose-Hulman Institute of Technology*

Alpha Tocopherol (Vitamin E) Concentrations in Fresh and Canned Spinach

Jamie Meegan *Trine University*. Faculty Sponsor: William Sluis *Trine University*

An Analysis of Sulfur Trioxide in Aggregates for Concrete Using an ASTM Standard for Portland Cement

Sarah Brunsvold *Valparaiso University*. Faculty Sponsors: Zudhi Aljobeh, John Schemmel *Valparaiso University*

Analysis of Acesulfame-K in Municipal Streams

Lauren Humphrey *Eastern Illinois University*. Faculty Sponsor: Doug Klarup *Eastern Illinois University*

Cationic Polymerization of β -pinene with trityl borate and methyl stearate

Kevin Ledden *Ohio Northern University*. Faculty Sponsor: Amelia Anderson-Wile *Ohio Northern University*

Cationic Polymerization optimization of beta-Pinene

Stephanie Moore *Ohio Northern University*. Faculty Sponsor: Amelia Anderson-Wile *Ohio Northern University*

Comparison of Durability and Odor Control of Silver Based and Silane Functional Quaternary Ammonium Antimicrobials

Ethan Hillman *Anderson University*. Faculty Sponsor: Scott Kennedy *Anderson University*

Living Our Mission through Chemistry: Lead Paint Survey of a Fort Wayne Neighborhood

Talitha Frecker, Jordan Heim *University of Saint Francis*. Faculty Sponsor: Andrea Geyer *University of Saint Francis*

Production of Liquid Biofuels from Algae

Kean Reid *Indiana Wesleyan University, Marion*. Faculty Sponsor: John Lakanen *Indiana Wesleyan University, Marion*

Searching for a New Epoxide Precursor in TMM Cycloaddition Reactions

Christopher Miko *Valparaiso University*. Faculty Sponsor: Kevin Jantzi *Valparaiso University*

Solid Phase Extraction using Carbon Cryogels

Jordan Aders, Greg Horne *Rose-Hulman Institute of Technology*. Faculty Sponsor: Justin Shearer *Rose-Hulman Institute of Technology*

The Effect of Switching from Sodium to Cesium on Suzuki-Miyaura Cross-Coupling Yields in Traditional and Microwave Heating

Matthew Welmers *Rose-Hulman Institute of Technology*. Faculty Sponsor: Rebecca DeVasher *Rose-Hulman Institute of Technology*

The Evaluation of Diels Alder Reactions Through the Use of Natural Products and a Microwave Reactor

David Johnson *Butler University*. Faculty Sponsor: Anne Wilson *Butler University*

BIOCHEMISTRY & MOLECULAR BIOLOGY

A Comparative Determination of Tamoxifen-Modulated Cytotoxicity in Cryopreserved Primary Normal Human Hepatocytes (hNHeps)

Brennen Barnett, Michelle Harper, Rhiannon Jones, Beth Peters, Joshua Lukas, Anthony Nogosek *Bethel College*. Faculty Sponsor: Lynne Cary *Bethel College*

Biochemical Characterization of the Abl: Trio Interaction

Bethany Klett *Denison University*. Faculty Sponsor: Eric Liebl *Denison University*

Characterization of Enzymatic Activity and Substrate Specificity of LipW, a Lipase Linked to Tuberculosis

Magy McKary *Butler University*. Faculty Sponsor: Jeremy Johnson *Butler University*

Chemical Modification of MitoNEET: A Novel Diabetes Drug Target

Morgan Roberts, Megan Laffoon *Eastern Illinois University*. Faculty Sponsor: Mary Konkle *Eastern Illinois University*

Designing a Novel Metabolic Pathway in Plants, to Increase Drought Resistance

Ethan Hindsley *DePauw University*. Faculty Sponsor: Bruce Serlin *DePauw University*

Expression and Purification of OVCA2, a Putative Mammalian Hydrolase

Megan Minser *Butler University*. Faculty Sponsor: Jeremy Johnson *Butler University*

Measuring Bacterial S-acylation in *Pseudomonas putida*

Claire Milam *Butler University*. Faculty Sponsor: Jeremy Johnson *Butler University*

Membrane Binding of FTT258

Mackenzie Smith *Butler University*. Faculty Sponsor: Jeremy Johnson *Butler University*

The Cloning and Analysis of a Cytokine-like Gene in Hermit Crabs (*Coenobita clypeatus*) by 5' RACE PCR

Jackson Graves *Millikin University*. Faculty Sponsors: Samuel Galewsky, Cynthia Handler *Millikin University*

INDEX OF PRESENTERS

A

Abbe, Emelia	English & Creative Writing Session 8
Abbinett, Jessica	International Studies Session 1
Adams, Hillary	Poster Session 3
Adams , Katherine	Psychology Session 6
Adams, Susan	Education
Aders, Jordan	Poster Session 4
Ajimal, Inderjit	Pharmacy & Health Sciences Session 9
Akita, Emmanuel	Biology Session 4
Alayan, Allie	Education
Albers, Courtney	Pharmacy & Health Sciences Session 9
Algate, Jeremy	Sociology Session 4
Allison, Alex	Sociology Session 2
Altemus, Megan	Poster Session 3
Altman, Christopher	Poster Session 1
Alves da Silva, Oto	Anthropology Session 4
Anderson, Amy	Art History
Anderson, Caitlin	Chemistry Session 2
Anderson, Ryan	Biology Session 3
Andres, Lindsey	Pharmacy & Health Sciences Session 9
Angelotti, Erik	Pharmacy & Health Sciences Session 5
Aristizabal, David	Anthropology Session 3
Armstrong, Sarah	Psychology Session 4
Arnold, Adam	Pharmacy & Health Sciences Session 4
Atkinson, Emily	Modern Foreign Languages Session 2
Awonusi, Damilola	Biology Session 2
Azman, Adam	Chemistry Session 3

B

Babchuk, Jennifer	Poster Session 3
Bable, Ryan	Psychology Session 8; Psychology Session 8
Backe, Kristen	Pharmacy & Health Sciences Session 9
Barcevic, Kahlyn	History Session 2
Barker, Aubree	Poster Session 3
Barnett, Brennen	Poster Session 4
Barrows, Jennifer	Poster Session 1
Bartkowiak, Alaina	Music Session 1
Bartling, Justina	Biology Session 3
Bascom, Devon	Pharmacy & Health Sciences Session 10
Bates, Andrew	Psychology Session 9
Bates, Heather	Poster Session 1
Battiato, Stephen	Political Science

Battoe, Stephanie	Anthropology Session 4
Bauman, Kelsey	Pharmacy & Health Sciences Session 7
Beasley, Zachariah	Poster Session 3
Beaty, Jessica	Poster Session 3
Becker, Eric	International Studies Session 3
Beer, Haley	Psychology Session 4
Beer, Laura	Poster Session 2
Belcher, Breaden	History Session 1
Beloso, Brooke	Gender, Women, and Sexuality Studies Session 1 & Session 2
Benefield, Nathan	Sociology Session 2
Bergamini, Tony	Psychology Session 2; Psychology Session 13
Bergsieker, Rachel	International Studies Session 2
Bewley, Erica	Psychology Session 11
Bielko, Shane	Pharmacy & Health Sciences Session 7
Biermann, Katelin	Sociology Session 5
Bigler, Sterling	Pharmacy & Health Sciences Session 6
Bingham, Ashleigh	Psychology Session 2
Binkley, Alexa	Sociology Session 2
Binkley, Nicole	Sociology Session 4
Black, Caitlin	Communication & Media Studies Session 1
Blaker, Patrick	Anthropology Session 3
Blazek, Joshua	Biology Session 2
Bledsoe, Alex	Chemistry Session 2
Blessing, Cody	Poster Session 1
Blunk, David	Pharmacy & Health Sciences Session 6
Bodawatta, Kasun Harshana	Poster Session 2
Bohorquez, Jeffrey	Modern Foreign Languages Session 1
Boles, Kirsten	Philosophy & Religion
Borden, Nathaniel	Psychology Session 11
Borders, William	Poster Session 3
Bose, Gracelyn	Biochemistry & Molecular Biology Session 3
Bosquez, Billy	Sociology Session 4
Bostic, Jessica	Poster Session 1
Bouchard, George	Biology Session 4
Boucouras, Gina	Poster Session 1
Bowman, Caitlyn	Pharmacy & Health Sciences Session 8
Bradfield, Haley	English & Creative Writing Session 6
Bradley, Donald	History Session 1; Music Session 2
Bradley, Hannah	Poster Session 1
Brady, Meghan	Sociology Session 4
Brandt, Allie	Art History
Breitenbach, Anthony	Poster Session 2
Brenneman, Anna	Biology Session 4
Briscoe, James	Music Session 1
Broaded, Monte	International Studies Session 2
Brockmann, Maria	Anthropology Session 1 & Session 2
Brown, Derrick	English & Creative Writing Session 3
Brown, Joshua	Pharmacy & Health Sciences Session 2
Brown, Lauren	Sociology Session 4

Brunsvold, Sarah	Poster Session 4
Buck, Amy	English & Creative Writing Session 8
Buckley, Jack	Psychology Session 13
Buckman, Holly	Poster Session 1
Bulow, Colleen	Sociology Session 1
Bungard, Christopher	Classical Studies
Burakiewicz, Ashleigh	Psychology Session 10
Burden, Jonathan	Sociology Session 4
Burgan, Dana E.	Poster Session 1
Burgardt, Hillary	English & Creative Writing Session 2
Burke, Bill	Pharmacy & Health Sciences Session 9
Burks, Timothy	Psychology Session 6
Burns, Katie	Music Session 1
Burton, Rodney	Poster Session 1
Butler, Andrew	Psychology Session 10 & Session 12
Byers, Lindsay	Communication & Media Studies Session 2
Byrne, Steffan	Poster Session 3

C

Caffo, Lindy	Poster Session 2
Cahill, Eva	Poster Session 2
Calhoun , Chelsy	Poster Session 3; Education
Campbell, Emma	Poster Session 1
Carmichael, Eric	Education
Carpenter, Kayla	Poster Session 1
Carter, Dana	Pharmacy & Health Sciences Session 3
Carter, Michael	Pharmacy & Health Sciences Session 10
Cash, Ryan	Pharmacy & Health Sciences Session 8
Cassady, Kelly	Music Session 1
Caudill, Mallory	Sociology Session 5
Cerberville Kalt, Gabrielle	Music Session 3
Chabot, Ashley	Biochemistry & Molecular Biology Session 3
Cheek, Kristen	Pharmacy & Health Sciences Session 9
Chen, Albert	Pharmacy & Health Sciences Session 4
Clark, Jacob	Poster Session 3
Clayton, Colin	Mathematics & Computer Science
Clements, Brittany	Pharmacy & Health Sciences Session 3
Clinger, Jonathan	Poster Session 2
Cohn-Byrd, Nikki	Exercise Science
Colavito, Joseph	English & Creative Writing Session 2, Session 6 & Session 8
Colburn, Kenneth	Sociology Session 4
Cole, Katherine	Sociology Session 3
Collins, Annie	Pharmacy & Health Sciences Session 9
Collins, Cole	International Studies Session 4
Columbus, Marcella	Music Session 2; Music Session 3
Conner, Berkley	Classical Studies
Constable, Julia	Biology Session 4
Coomer, Amanda	Pharmacy & Health Sciences Session 9

Cordero, Diana	Poster Session 2
Corichi, Laura	Biology Session 3
Cors, Meredith	Poster Session 1
Cox, Taylor	Art Exhibition; Communication & Media Studies Session 3
Coy, Kelsey	Pharmacy & Health Sciences Session 7
Cullen , Megan	History Session 2

D

Dainton, Helen	Poster Session 2
Dale, Barbara	Biology Session 3
Dale, Robert	Psychology Session 9 & Session 11
Dalton, Andrew	Exercise Science
Daly, Kelsey	Anthropology Session 3
Daugherty, Ryan	Political Science
Dean, Meagan	Psychology Session 12
Debish, Julie	Poster Session 1
Deitrich, Audrey	Biology Session 2
Deno, Vivian	History Session 1 & Session 2
Devia, Marlenne	Psychology Session 6; Poster Session 1
DeWitt, Kaitlyn	Poster Session 1
DeYoung, Heather	Pharmacy & Health Sciences Session 5
Dies, Josey	Psychology Session 3
Disbrow, Marissa	Psychology Session 5
Dittman, Alicia	Psychology Session 4
Dodson, Phillip	Poster Session 3
Dombrowsky, Heather	Psychology Session 3
Donisch, Megan	Poster Session 3
Dorsch, Jay	Pharmacy & Health Sciences Session 10
Doverspike, Sara	International Studies Session 3
Dube, Hitesh	Biochemistry & Molecular Biology Session 1
Dubord , Emily	Pharmacy & Health Sciences Session 7
Dunbar, Tita	Sociology Session 4
Dunn, Samantha	Poster Session 1
D'Urso, Dana	Pharmacy & Health Sciences Session 8
Drury, Ben	Sociology Session 3
Dye, Abby	Psychology Session 5

E

Ehlerding, Emily	Physics Session 2
Ehrstein, Michael	Chemistry Session 2
Eliason, Neil	Psychology Session 1
Erlandson, Andrew	English & Creative Writing Session 4
Essig, Rachael	Biochemistry & Molecular Biology Session 2
Eyerly, Sarah	Music Session 3

F

Farley, Lisa	Exercise Science
Farlow, Matthew	Poster Session 2
Faulkner, Kyle	Communication & Media Studies Session 1
Fearnside, Natsumi	Poster Session 2
Fennelly, Laura	Sociology Session 3
Fenton, Robert	Music Session 1
Fernandez, Paola	Biochemistry & Molecular Biology Session 2
Fields, Marcus	Pharmacy & Health Sciences Session 6
Finley, Allison	Poster Session 3
Fisher, Christine	Psychology Session 8
Flaherty, Sarah	Pharmacy & Health Sciences Session 7
Foulkes, Thomas	Physics Session 2
Fox, Ben	Art Exhibition; Art History
Frank, Colleen	Psychology Session 8
Frecker, Talitha	Poster Session 4
Freeman, Hailee	Sociology Session 3
Fullenkamp, Christopher	Poster Session 2
Fuller, Taylor	Sociology Session 4
Furlong, Kirstin	Pharmacy & Health Sciences Session 9
Fyfe, Cecelia	Psychology Session 12

G

Gaisser, Amy	Education 5
Gannon, Cady	Poster Session 2
Gardner, Dennis	Pharmacy & Health Sciences Session 8
Garling, Bethany	Sociology Session 1
Garlitz, Justin	Biology Session 3
Garretson, Chilton	Education
Geanon, Catherine	Psychology Session 7
Gelwick, Sean	Biology Session 4
Gerecke, Erin	Biology Session 1 & Session 3
Gerwig, Rachel	Music Session 3; Anthropology Session 1
Gesellchen, Pamela	Pharmacy & Health Sciences Session 8
Getty, Jamie	Pharmacy & Health Sciences Session 7
Ghooray, Kala	Philosophy & Religion
Gibbs, Delaney	Biology Session 4
Gibson, Jeremy	Psychology Session 1
Giesler, R. Brian	Psychology Session 2 & Session 6
Gilliam, Steven	Modern Foreign Languages Session 1
Gilliland, Erica	Mathematics & Computer Science
Gingerich, Amanda	Psychology Session 8 & Session 13
Gittrich, Zachary	Philosophy & Religion
Glogower, Jonathan (Yoni)	Biology Session 3; Biology Session 3
Goehler, Ashley	Pharmacy & Health Sciences Session 8
Gogic, Kristina	Sociology Session 1
Gosnell, Katelyn	Poster Session 1

Gott, Sarah	Pharmacy & Health Sciences Session 3
Graham, Katie	English & Creative Writing Session 1
Granger, Megan	Pharmacy & Health Sciences Session 7
Graves, Jackson	Poster Session 4
Gray, Cameron	Physics Session 1; Poster Session 2
Griffin, Tyler	Gender, Women, & Sexuality Studies Session 1; English & Creative Writing Session 4
Groeneveld, Katie	Psychology Session 4
Grubbs, Jared	Pharmacy & Health Sciences Session 3
Grueter, Shannon	Exercise Science

H

Haas, Paige	International Studies Session 4
Hale, Tucker	Poster Session 2
Hall, Frances	Biology Session 4
Hamamouche, Karina	Psychology Session 8
Han, Xianming	Physics Session 1
Hamman, Kelly	International Studies Session 4
Harbich, Michelle	English & Creative Writing Session 8
Hardy, Kate	Biology Session 4; Biology Session 3
Harkness, Brock	Pharmacy & Health Sciences Session 4
Harlan, Blaine	Poster Session 2
Harmon, Johanna	Biology Session 1
Harpenau, Samantha	Pharmacy & Health Sciences Session 3
Harper, Michelle	Poster Session 4
Harris, Christin	Sociology Session 2
Harris, Grey	Political Science
Hart, Abby	Art Exhibition; Art History
Hasan, Farhan	Pharmacy & Health Sciences Session 5
Hayes, LaMeshia	Sociology Session 5
Hechinger, Robby	Psychology Session 11
Heim, Jordan	Poster Session 4
Helm, Matthew	Poster Session 2
Henderson, Hannah	Gender, Women, & Sexuality Studies Session 2
Hensley, Tyler	Pharmacy & Health Sciences Session 9
Hess, Margaret	Poster Session 1
Heydar, Ernest	Mathematics & Computer Science
Higginbotham, Hailey	Poster Session 3
Hilgenkamp, Adam	Philosophy & Religion
Hillman, Ethan	Poster Session 4
Hindsley, Ethan	Poster Session 4
Hintz, Charles	International Studies Session 2
Hixon, Robbie	Poster Session 3
Hoerl, Kristen	Communication & Media Studies Session 3
Hoffman, Alex	Poster Session 3
Hoffman, Laura	Poster Session 3
Hofmann, Gabrielle	Poster Session 2
Hogue, Katlyn	Psychology Session 5

Holden, Caitlin	English & Creative Writing Session 3
Holm, Erin	Psychology Session 6
Hood, Andrew	Biology Session 4
Hoops, Geoffrey	Biochemistry & Molecular Biology Session 3
Hopkins, Todd	Chemistry Session 2
Horne, Greg	Poster Session 4
Houchin, Megan	Psychology Session 5
Howard, Amy	English & Creative Writing Session 2
Hughes, Destiny	Pharmacy & Health Sciences Session 2
Hui, Veronica	Pharmacy & Health Sciences Session 7
Hummel, Nicole	Sociology Session 5
Humphrey, Lauren	Poster Session 4
Hunsley, Jana	Psychology Session 4
Hurdish, Jane	Sociology Session 1
Huyette, Jake	Anthropology Session 1
Hyatte, James	Pharmacy & Health Sciences Session 4

I

Ibarra, Samuel	Anthropology Session 4
Ibrahim, Sara	Biology Session 2
Imholte, Makenna	Communication & Media Studies Session 2
Ireland, Tosha	Psychology Session 11
Isenberg, Erica	Psychology Session 12

J

Jacob, Brittany	Communication & Media Studies Session 1
Jantzi, Taylor	Poster Session 1
Johns, Tuesdae	Gender, Women, & Sexuality Studies Session 2
Johnson, Aaron	Political Science
Johnson, Charlotte	Sociology Session 3
Johnson, Daniel	Education; Poster Session 3
Johnson, David	Poster Session 4
Johnson, Jeremy	Biochemistry & Molecular Biology Session 2
Johnson, Tricia	English & Creative Writing Session 1
Jones, Derek	Poster Session 1
Jones, Rachel	Psychology Session 3
Jones, Rhiannon	Poster Session 4
Jones, Rusty	Music Session 2
Jones, Sara	Pharmacy & Health Sciences Session 5
Jordan, Janelle	History Session 2
Jost, Rebecca	Poster Session 2
Juett, Jacqueline	Psychology Session 7
Jung, Carrie	Pharmacy & Health Sciences Session 6
Jurica, Wesley	Poster Session 3

K

Kamo, Louis	Pharmacy & Health Sciences Session 2
Kane, George	Anthropology Session 4
Kanter, Jordan	Chemistry Session 1
Kapper, Savannah	Poster Session 4
Kapsalis, Christina	Exercise Science
Karel, J. Alex	Chemistry Session 2
Kasper, Alyssa	Sociology Session 4
Kasper, Noah	Poster Session 1
Kauffman, John	English & Creative Writing Session 6
Keck, Kirstin	Pharmacy & Health Sciences Session 3
Keen, Judie	Education
Keillor, Scott	Pharmacy & Health Sciences Session 7
Keith, Haley	Psychology Session 4
Keith, Kyle	Pharmacy & Health Sciences Session 6
Kellermeyer, Faith	Psychology Session 4
Kellogg, Sonja	Poster Session 1
Kelly, Amanda	English & Creative Writing Session 6
Kelly, Casey	Communication & Media Studies Session 1 & Session 2
Kendall, Ellen	Psychology Session 5
Kershaw, John	Poster Session 3
Kershaw, Sean	Psychology Session 2
Khan, Abdul Karim	Poster Session 2
Kidd, Adam	Physics Session 2
Kiefer, Kristina	Sociology Session 3
Kilcoyne, Jessica	English & Creative Writing Session 7
Klehfoth, Mark	Physics Session 1
Klett, Bethany	Poster Session 4
Klipper, Dan	Music Session 2
Klondaris, Hanna	Biology Session 4
Knepp, Kyle	Poster Session 1
Koehl, Ashlea	Poster Session 1
Koehler, Kim	Sociology Session 2
Kolnik, Julie	Poster Session 2
Kotlikoff, Phoebe	Education
Kowalski, Jennifer	Biochemistry & Molecular Biology Session 1
Kowalski, Jennifer	Biology Session 2 & Session 4
Kramer, Katie	Pharmacy & Health Sciences Session 3
Krause, Jessica	Psychology Session 5
Kresge, Conrad	Poster Session 2
Kriebel, Jordan	Communication & Media Studies Session 3
Kuehn, Leeann	Biology Session 1
Kugler, Jennifer	Psychology Session 7; Psychology Session 8
Kummick, Janelle	Pharmacy & Health Sciences Session 4
Kurtz, Andrew	Poster Session 1

L

Laffoon, Megan	Poster Session 4
LaGrange, Seth	Poster Session 2
Landrum, Ashley	Poster Session 1
Langdon, Kate	Philosophy & Religion
Larson, Katie	English & Creative Writing Session 1
Latta, Erin	Pharmacy & Health Sciences Session 9
Laughman, Courtney	Psychology Session 9
Ledbetter, Andrew	Poster Session 2
Ledden, Kevin	Poster Session 4
Lee, Bobae	Pharmacy & Health Sciences Session 10
Lee, Nicole	Biology Session 1
Lee, Sophia	Chemistry Session 1
Leedy, Victoria	Psychology Session 2
Leeper, Brandy	Poster Session 1
LeFever, Tiffany	Psychology Session 4
LeHew, John	Pharmacy & Health Sciences Session 5
Leick, Ali	Pharmacy & Health Sciences Session 8
Lemon, Jake	Pharmacy & Health Sciences Session 2
Lesko, Claire	Pharmacy & Health Sciences Session 8
Letfullina, Alla	Physics Session 2
Leuthner, Martha	Anthropology Session 2
Levine, Lauren	Pharmacy & Health Sciences Session 5
Levy, Andy	English & Creative Writing Session 3 & Session 7
Levy, Lea	Anthropology Session 1
Liberatore, Kristen	Pharmacy & Health Sciences Session 1
Lieb, Shannon	Chemistry Session 1
Lineweaver, Tara	Psychology Session 3 & Session 7
Linsenmayer, Colleen	Pharmacy & Health Sciences Session 10
Lira, Katee	Pharmacy & Health Sciences Session 5
Liszewski, Anthony	Pharmacy & Health Sciences Session 9
Littlejohn, Jordan	Poster Session 1
Locke, Melissa	Pharmacy & Health Sciences Session 6
Logsdon, Matthew	Biochemistry & Molecular Biology Session 1; Biochemistry & Molecular Biology Session 2
Long, Aaron	Poster Session 2
Long, Josh	Poster Session 3; Education
Loos, Alyssa	Physics Session 1
Lowry, Samantha	Poster Session 1
Lucchi-Riester, Elisa	International Studies Session 3
Luckie, Tom	English & Creative Writing Session 1
Lukas, Joshua	Poster Session 4
Lyon, Kelsey	Pharmacy & Health Sciences Session 2
Lyons, Nicole	Psychology Session 5

M

Magiera, Louise	Poster Session 1
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Magnetta, Bradley	Poster Session 2
Makuru, Victoria	Biochemistry & Molecular Biology Session 3
Maled, Bianca	Biochemistry & Molecular Biology Session 3
Malik, Ahmed M.	Biology Session 2
Malik, Needa	International Studies Session 3
Mambu, Minkailu	Poster Session 1
Marimen, Megan	Sociology Session 3
Markowitz, Danielle	Psychology Session 13
Marsh, Jacqueline	Psychology Session 4
Martin, David	Pharmacy & Health Sciences Session 3; Pharmacy & Health Sciences Session 4
Martin, Joel	Psychology Session 4
Martin, Joy	English & Creative Writing Session 5
Mast, Tom	Poster Session 3
Mastic, Timothy	Music Session 1
Mathews, Craig	Pharmacy & Health Sciences Session 5
Matter, Abby	Sociology Session 4
McCall, John	Poster Session 1
McCalley, Jason	English & Creative Writing Session 7
McCormick, Dan	English & Creative Writing Session 4; English & Creative Writing Session 6
McCullough, Sarah	Pharmacy & Health Sciences Session 6
McDougle, Marcie	Poster Session 3
McFarland, Annette	Pharmacy & Health Sciences Session 7
McGinnis, Tyler	History Session 1
McGushion, Cassondra	Poster Session 1
McKary, Magy	Poster Session 4
McKary, Mira	Biology Session 4
McKinley, Jessica	Psychology Session 4
McLuckie, Scott	Psychology Session 8
Meegan, Jamie	Poster Session 4
Menéndez-Alarcón, Antonio	Sociology Session 1
Mensing, Courtney	Poster Session 1
Merrick, Kelsey	Poster Session 1
Meyer, Alysssa	Pharmacy & Health Sciences Session 1
Meyer, Tabea	Sociology Session 2
Meyers, Anicka	Biology Session 4
Mihich, Stephanie	Psychology Session 4
Miko, Christopher	Poster Session 4
Milam, Claire	Poster Session 4
Miller, Caitlin	Pharmacy & Health Sciences Session 2
Miller, Greg	Pharmacy & Health Sciences Session 6
Miller, Keli	Sociology Session 2
Miller, Kristin	Psychology Session 12
Minser, Megan	Poster Session 4
Mitchell, Ryan	Pharmacy & Health Sciences Session 10
Mix, Elizabeth	Art History
Mock, Christian	Poster Session 4
Modi, Aalap	Pharmacy & Health Sciences Session 2

Moon, Martin	Biology Session 4
Moore, John	Physics Session 1
Moore, Kristen	Biochemistry & Molecular Biology Session 2
Moore, Stephanie	Poster Session 4
Moravec, Katherine	Biochemistry & Molecular Biology Session 1
Morgan, Elyse	Psychology Session 8
Morgan, Hannah	Pharmacy & Health Sciences Session 1; Pharmacy & Health Sciences Session 1
Moriarity, Miranda	Pharmacy & Health Sciences Session 3
Morin, Kendra	Psychology Session 10
Morris, Jessica	Pharmacy & Health Sciences Session 7
Morse, Natalie	Psychology Session 12
Moser, Brittany	Pharmacy & Health Sciences Session 1
Moss, Nate	Psychology Session 2
Mountel, Laura	Pharmacy & Health Sciences Session 1
Mueller, Lennon	Poster Session 1
Mulhall, Caroline	Psychology Session 5
Mullennex, Elizabeth	Pharmacy & Health Sciences Session 6
Myers, Eric	Pharmacy & Health Sciences Session 1
Myszkowski, Alan	English & Creative Writing Session 5

N

Nawrocki, Jenna	Biology Session 1
Nealis, Rachel	Pharmacy & Health Sciences Session 1
Neefus, Suzanne	Political Science
Neff, Shelby	Pharmacy & Health Sciences Session 6
Nelson, Anne	Pharmacy & Health Sciences Session 10
Nesiba, Brandon	Mathematics & Computer Science
Newman, Paige	English & Creative Writing Session 2
Neylon, Andrew	English & Creative Writing Session 1
Nicholas, Samantha	Psychology Session 2
Nichols, Allison	Psychology Session 4
Nie, Mark	Poster Session 3
Nogosek, Anthony	Poster Session 4
Nole, Amanda	Sociology Session 1
Novack, Rachel	Biochemistry & Molecular Biology Session 3
Novak, Katherine	Sociology Session 2
Nugent, Krystal	Psychology Session 2
Nusinow, Natalie	Psychology Session 6

O

Oakerson, Trevor	Poster Session 3
Ochung, John	Biochemistry & Molecular Biology Session 1
Oesch, Chelsie	Psychology Session 1
Oliver, Brandie	Education
Olivero, Tara	English & Creative Writing Session 5
Ooka, Vishal	Pharmacy & Health Sciences Session 10

Ordonez, Gonzalo	Physics Session 2
Osborne, JoAnna	Poster Session 1
Osborne, Tia	Gender, Women, & Sexuality Studies Session 1; Political Science
Ostrander, Joshua	Chemistry Session 3
Overstreet, Nicholas	Psychology Session 1
Owen, Katie	Psychology Session 7
Owens, Chris	Sociology Session 4

P

Padgett, Robert	Psychology Session 1 & Session 5
Pallme, Nicole	Pharmacy & Health Sciences Session 5
Papineau, Emily	Pharmacy & Health Sciences Session 4
Park, Connor	English & Creative Writing Session 4
Patel, Ravi	Psychology Session 13
Patel, Shefali	Pharmacy & Health Sciences Session 3
Pelly, Rachel	Poster Session 2
Penn, Emily	Sociology Session 1
Pennington, Mary	Anthropology Session 2
Pepmeier, Morgan	Pharmacy & Health Sciences Session 8
Perry, Nicole	Poster Session 2
Peters, Adrienne	Biology Session 3
Peters, Beth	Poster Session 4
Peters, Nick	Pharmacy & Health Sciences Session 6
Petty, Paige	Pharmacy & Health Sciences Session 3
Pflaum, Emily	Pharmacy & Health Sciences Session 4
Phelps, Lauren	Pharmacy & Health Sciences Session 2
Piltz, Joshua	Chemistry Session 3
Platt, David	Music Session 3
Plotkin-Swing, Anna	Biology Session 4
Poloney, Stephanie	Gender, Women, & Sexuality Studies Session 2
Poore, Toria	Poster Session 1
Popa, Tiberius	Philosophy and Religion
Post, Ethan	Chemistry Session 2
Poure, Paige	Psychology Session 6
Poznanski, Kathryn	Poster Session 1
Prater, Courtney	Psychology Session 9
Pratt, Cynthia	Dance
Price, Emily	Psychology Session 11
Primack, Abby	Biology Session 4
Prince, Ryan	English & Creative Writing Session 8
Proffitt, Jacquelyn	Pharmacy & Health Sciences Session 9
Puga, Renato	Poster Session 1
Pugh, Evan	Biology Session 1
Pylitt, Laurie	Pharmacy & Health Sciences Session 2

Q

Quebe, Sarah	Psychology Session 12
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Quilty, Colleen Gender, Women, & Sexuality Studies Session 1
Quintanilla, Álex Modern Foreign Languages Session 1 & Session 2

R

Rabellino, Alessandra Psychology Session 7
Radley, Tyler Mathematics & Computer Science
Ragains, Ian Exercise Science
Ragsdale, Emily Psychology Session 11
Rastede, Frederick Physics Session 1
Reaves, Cody Education
Reed, Mack Psychology Session 8
Reenan, Colin History Session 2
Rehmel, Cassandra Psychology Session 5
Reid, Kean Poster Session 4
Reid, Jennifer Pharmacy & Health Sciences Session 2
Rendall, Jacob Mathematics & Computer Science
Rensing, Brandon Pharmacy & Health Sciences Session 10
Rice, Jasmen Psychology Session 8
Richards, Bridgette Art History; English & Creative Writing Session 3
Richardson, Chloe English & Creative Writing Session 7
Richardson, Marianne International Studies Session 1
Ringenberg, Sarah Poster Session 1
Roberts, Becky Pharmacy & Health Sciences Session 5
Roberts, Morgan Poster Session 4
Rodeghero, Paige Education
Rodenkirch, Sarah Psychology Session 6
Roderick, Samantha Modern Foreign Languages Session 2
Rodriguez, Alaina Psychology Session 8
Roman, Nicholas Music Session 1
Rosenfeld, Emily International Studies Session 1
Rosselli, Kelsey Poster Session 1
Rothschild, Chelsea Sociology Session 1
Ruiz-Moreno, Giuliana Psychology Session 4
Runyan, Emily Psychology Session 10
Rush, Kristen Biology Session 2
Ruuska, Andrew Pharmacy & Health Sciences Session 4
Rykwaldler, S. Poster Session 1

S

Saba, Alethia Poster Session 2
Sachs, Natalie Poster Session 1; Psychology Session 2;
Sanon, Anta Modern Foreign Languages Session 1
Santellana, Emilio Psychology Session 11
Sapp, Amber Psychology Session 8
Saum, Lindsay Pharmacy & Health Sciences Session 9
Savas, Chris Biochemistry & Molecular Biology Session 2
Scheben, John Biology Session 3

Schelich, Trinity	Poster Session 1
Schiess, Justin	Classical Studies
Schmid, Luke	Poster Session 3
Schmidt, Hugh	History Session 2
Schneider, Kaitlin	Chemistry Session 3
Schrader, Aubrey	Gender, Women, & Sexuality Studies Session 2
Schultz, Kelsey	Pharmacy & Health Sciences Session 5
Schum, Janae	Pharmacy & Health Sciences Session 2
Schwarz, Christen	International Studies Session 4
Scoles, Rachel	English & Creative Writing Session 5
Scott, Marvin	Sociology Session 5
Searles, Kaylee	Psychology Session 3
Secord, Sofia	Modern Foreign Languages Session 1
Seefeldt, Nicholas	International Studies Session 1
Selby, Anna	Biochemistry & Molecular Biology Session 2
Shahrokhi, Sholeh	Anthropology Session 3 & Session 4
Shannon, Kathleen	Pharmacy & Health Sciences Session 6
Sharp, Kenneth	Sociology Session 4
Sharp, Lynsey	History Session 1
Shaw, Sarah	Pharmacy & Health Sciences Session 6
Sheehan, Katherine	Sociology Session 3
Sheets, Kate	Pharmacy & Health Sciences Session 3
Shepherd, Hilary	Psychology Session 13
Shiltz, Dane	Pharmacy & Health Sciences Session 10
Siegfried, Kate	Communication & Media Studies Session 3
Silverstein, Maddie	International Studies Session 1
Simanovica, Ance	Anthropology Session 3
Skinner, Tyler	Poster Session 3
Slagenwhite, Margaret	Poster Session 3
Slagle, Jessica	Psychology Session 4
Smith, Alexa	English & Creative Writing Session 2
Smith, Carin	Poster Session 1; Psychology Session 7
Smith, Jeremy	Psychology Session 3
Smith, Katelyn	Gender, Women, & Sexuality Studies Session 2
Smith, Mackenzie	Poster Session 4
Smith, Stephanie	Pharmacy & Health Sciences Session 5
Smoler, Stacy	Pharmacy & Health Sciences Session 10
Snelling, Andrew	Psychology Session 7
Soberman, Rachel	Psychology Session 2
Sofolo, Kyle	Psychology Session 10
Spalding, Paige	Anthropology Session 2
Sparks, Elizabeth	Pharmacy & Health Sciences Session 9
Spear, Taylor	Psychology Session 10
Spencer, Cheryl	Modern Foreign Languages Session 2
Spice, Megan	Poster Session 1
Spiegel, Mark	English & Creative Writing Session 3
Spieth, Laura	Sociology Session 1
Springer, Abbey	Music Session 2
Steele, Amanda	Pharmacy & Health Sciences Session 2

Steele, Gabriella	Psychology Session 3
Stenger, Robert	Poster Session 2
Stephens, Dominique	Biochemistry & Molecular Biology Session 3
Stephens, Michael	Biology Session 2
Stephenson, Grace	Psychology Session 2
Storc, Derek	Exercise Science
Strzok, Natalie	Poster Session 1; Psychology Session 11
Stuckemeyer, Bethany	Pharmacy & Health Sciences Session 1
Stutzman, Kami	Poster Session 1
Sumner, Brock	Poster Session 1
Sureau-Hale, Eloise	International Studies Session 1
Swank, Steven	Pharmacy & Health Sciences Session 8
Swanson, Maia	Classical Studies

T

Tadic, Ana	Sociology Session 2
Tatara, Christy	Poster Session 2
Taylor, Alex	Anthropology Session 3
Teeman, Eric	Poster Session 4
Terhune, Kathleen	Psychology Session 1
Tewksbury, Ashley	Pharmacy & Health Sciences Session 5
Than, Thien	Pharmacy & Health Sciences Session 4
Thomaston, Brett	Sociology Session 3
Thompson, Christiana	International Studies Session 2
Thompson, Megan	Sociology Session 4
Tirman, Anna	Poster Session 1
Tomes, Lisa	Pharmacy & Health Sciences Session 4
Tonui, Betty	Sociology Session 4
Toomey, Eileen	Psychology Session 9
Toth, Angela	Sociology Session 2
Trainor, Michelle	English & Creative Writing Session 7
Trambaugh, Amanda	Psychology Session 9
Trinkle, Kate	International Studies Session 3
Tristano, Elizabeth	Poster Session 2
True, Shelby	Psychology Session 8
Tuohy, Kevin	Pharmacy & Health Sciences Session 1
Turnbow, Daniel	Psychology Session 11
Turner, Robin	Political Science

U

Ulyat, Morgan	Music Session 3
Underwood, Ariel	Poster Session 1
Uttal-Veroff, Eli	Music Session 2

V

Vaclavik, Danielle	Psychology Session 8
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Vanderlinden, Harry	International Studies Session 4
Venable, John	Pharmacy & Health Sciences Session 5
Verkamp, Max	Chemistry Session 1
Veverka, Megan	Pharmacy & Health Sciences Session 2
Vierse, Anne	Anthropology Session 2
Vincz, Alexis	Exercise Science
Voegtle, Isaac	Poster Session 2
Vogelsmeier, Bradley	Sociology Session 2

W

Wainwright, Jordan	Gender, Women, & Sexuality Studies Session 2
Wahl, Rebecca	Mathematics & Computer Science
Wallace, Kailyn	Sociology Session 4
Walsh, Bill	English & Creative Writing Session 5
Ward, Kayla	Poster Session 2
Warner, Michael	Biology Session 3
Wasilk, Amy	Poster Session 2
Waters, Matt	Poster Session 3
Watson, Ashley	Sociology Session 1
Webster, Jonathan	Biology Session 1
Weimer, Leanda	Poster Session 1
Weiss, Lindsey	International Studies Session 3
Welmers, Matthew	Poster Session 4
Werge, B. R.	International Studies Session 2; Communication & Media Studies Session 2
Werres, Michael	Pharmacy & Health Sciences Session 2
Wetzel, Jennifer	English & Creative Writing Session 3
Wheeler, Michelle	Psychology Session 9
Whybrew, Mary	Poster Session 3
Wickham, Michelle	Communication & Media Studies Session 2
Wilhoite, Jessica	Pharmacy & Health Sciences Session 3
Wilkinson, Aimee	Psychology Session 13
Williams, Amanda	Pharmacy & Health Sciences Session 9
Williamson, Tyler	Physics Session 1; Poster Session 2
Willinger, Jacob	Poster Session 1
Wilson, Alli	Sociology Session 4
Wilson, Katie	Pharmacy & Health Sciences Session 8
Winzeler, Megan	Poster Session 2
Wise, Amy	Sociology Session 1
Wohlschlaeger, Robert	Exercise Science
Wolf, Hayley	Poster Session 3
Wolski, Amanda	Exercise Science
Woodard, Hannah	Psychology Session 4; Psychology Session 10
Wortley, Luke	English & Creative Writing Session 4
Wuerthner, Vanessa	Poster Session 2

Y

Yedinak, Emily Chemistry Session 1
Yoder, Grace Psychology Session 9
York, Tiffany Poster Session 2
Young, Kelsey Pharmacy & Health Sciences Session 8

Z

Zeitlin, Deborah Pharmacy & Health Sciences Session 5
Zeuch, Mary Sociology Session 2
Zimmerly, Joel English & Creative Writing Session 3