

Celebration of Scholarship

POSTER PRESENTATIONS

April 6, 2017

Barnes Student Center Commons

Indiana Wesleyan University

PRESENTER	DIVISION	TITLE
Annah Kalb, Zach Zylstra	Natural Sciences	Development of Selective and Potent Bivalent Inhibitors of the Phosphatase SHP2 Using a Chemical-Genetic Technique
Morgan Smith	Natural Sciences	Death Effects of Reveromycin A in Diseased Synoviocytes of the Arthritic Joint
Natassja Thomas	Natural Sciences	Death Effects of Reveromycin A, A Potential Osteoporosis Therapeutic, in Cells of the Joint
Sydney Weghorst	Natural Sciences	Glucose Insulin Secretion Assay Using Isolated Murine Islets: An Ex Vivo Approach to Measuring Insulin Release
Sandi Bailey	Natural Sciences	Coral Bleaching
Corrine Melvin	Natural Sciences	The Effects of <i>Moringa oleifera</i> on <i>Clavibacter michiganensis</i> subspecies <i>michiganensis</i> & <i>Curtobacterium flaccumfaciens</i>
Kaitlyn McEnaney	Natural Sciences	The Effects of CART and Bay 55-9837 on In Vivo Glucose-Stimulated Insulin Secretion in Wild-Type and VIP/PACAP Receptor 2 Deficient Mice
Koby Buth	Natural Sciences	Optimization of a Procedure for Isolating and Manipulating Murine Pancreatic Islets of Langerhans
Patricia Martinez	Natural Sciences	Characterization of Apoptosis and Necrosis Induced by Reveromycin A, a Potential Bone Anti-Resorptive Agent, in Normal Cells of the Joint
Grant Marvin	Natural Sciences	Exploring the Navigation Mechanisms for Various Species of Butterflies and Their Roles in Migration
Garrett Ritzert	Natural Sciences	The Importance of Bluebird Houses for the Bluebird Population
Gabrielle Schwarte	Natural Sciences	Nerve Conduction in <i>Aurelia aurita</i>
Hannah Parsons, Clarissa Burns	Natural Sciences	A Role for Na ⁺ /H ⁺ exchange in Müller Cells in Regulating Extracellular pH in the Retina
Ryan Smith	Natural Sciences	Learning from Your Hand's Mind: Furthering Understanding of Voluntary Action Through Reviewing Alien Hand Syndrome Pathophysiology
Sydney Weghorst	Natural Sciences	Visual Hallucinations: Different Types and a Comparison to Normal Vision
Chelsea Phillips	Natural Sciences	The Effect of Pro-inflammatory Cytokines on Memory: How Immune Function Shapes a Conceptual Model of Memory
Ashley Springer, Chad Hawkins	Natural Sciences	Development of Selective and Potent Bivalent Inhibitors of the Phosphatase SHP2 Using a Chemical-Genetic Technique
Jacob Buck	Natural Sciences	<i>Moringa</i> Tissue Culture
Terry Beal	Natural Sciences	Zoledronate-Induced Death Effects in Normal Human Oral Keratinocytes
Lydia Schumick	Natural Sciences	An Investigation of <i>Moringa oleifera</i> as a Novel Fertilizer
Michael Gongwer, Lexi Shepherd, Hannah Caringal	Natural Sciences	Self-Referencing: A Method of Measuring Changes in Extracellular pH
Luke Hayden	Natural Sciences	The Reconsolidation Hypothesis and Memory Transience
Ciara Jiles	Natural Sciences	Evaluation of Diagnostic Methods for Lyme Disease
Nathan Gerick	Natural Sciences	Neural Circuit Deficiencies and the Effects of Remedial Action in Developmental Dyslexia
Hannah VanDusen, Rachel Hartman	Natural Sciences	Production and Purification of HIV Virus-like Particles (VLP) and Analysis of the Biochemical Requirements for Nef-dependent Packaging of Hck into HIV Virions
Gabrielle Schwarte	Natural Sciences	Beyond Wernicke's Area: An Integrative Model of Human Speech Comprehension
Margaret Kaiser	Natural Sciences	Exercise-Enhanced Neuroplasticity: Physical Activity as Treatment for Parkinson's Disease
Kelsey McMunn	Natural Sciences	An Investigative Review on the Correlation and Potential Causation Between Consumption of Dairy Products and Development of Various Cancers
Zea Miller	Natural Sciences	The Effect of Antidepressants on the Growth of Gut Bacteria
Meghin Paul	Natural Sciences	Red Tides: How the Dinoflagellate <i>K. brevis</i> Impacts Ecology When Algal Bloom Reaches Toxicity Levels
Tom Simons	Natural Sciences	The Contribution of Glial Cells to the Symptomatology of Huntington's Disease
Marin Young	Natural Sciences	Completing the Picture: Activity Dependent Myelination
Hannah VanDusen	Natural Sciences	The Role of Adenosine A1 and A2A Receptors on Sleep and Memory
Olivia Moorlach	Natural Sciences	The Impact of Astrocytes on Sleep via Regulation of Neuronal Activity
Hannah Parsons	Natural Sciences	Compassion Training of the Neuroplasticity in the Mirror Neuron System
Olivia Moorlach	Natural Sciences	Development of the Transfer and Detection of Telomeric DNA Using an Electrophoretic Mobility Shift Assay
Skyler Moore	Natural Sciences	Investigation of Coral Restoration
Rebecca Embalabala	Natural Sciences	Music and Neuroplasticity
Cassandra Corson	Natural Sciences	Embryonic Stem Cells: Undefined Pluripotent Cells that can be Genetically Modified to become Any Needed Cell within the Body
Chad Heer	Natural Sciences	The Impact of Visual Inputs on Cell Types Required for Spatial Navigation
Chad Heer	Natural Sciences	Measurement of Extracellular Changes in Acidity Mediated by Radial Glial Cells (Müller cells) of the Vertebrate Retina
Katelyn Floyd	Natural Sciences	Therapeutic Effects of Ketone Bodies on the Central Nervous System
Ryan Smith, Sammy Oberholtzer	Natural Sciences	Use of Geranylgeraniol to Rescue Osteoblasts, Periodontal Ligament Fibroblasts, and Oral Keratinocytes from Zoledronate-Induced Cell Death
Jordan Richardson	Natural Sciences	Low-Carbohydrate vs. Low-Fat Diets
Lindsay Wood	Natural Sciences	Implications of Brain Activities with Prejudice: How do We Intervene?
Christian Cuevas	Natural Sciences	Cathepsin K Gene Expression Measurement in Equine Chondrocytes
Sammy Oberholtzer	Natural Sciences	Antimicrobial Use and Extraction of Essential Oils

Note: Presenters will be present at times marked on individual posters; Natural Sciences will be present between 3:00pm and 4:00pm.

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Megan Lenn, Benjamin Geyman, Kay Hamlett, Matthew Hergert	Nursing	Pros and Cons of Nursing Simulation
Morgan Lepoire, Bethany Moore, Jacquelyn Kilmer, Abby Blume	Nursing	Mobilizing the Mechanically Ventilated Patient
Haley Snyder, Leigh Flegge, Shannon Van Rijk	Nursing	Code Lavender Takes on Stress in Nursing
Emilie Wetmore, Hannah Dembny, Kate Thorsen, Lauren Uhls, Allison	Nursing	The Effects of Second-Hand Smoke Exposure On Children: Intellectual, Behavioral, and Physiological
Bethany Thayer, Kelli Sewell, Samantha Denlinger, Tyson Daake	Nursing	Role of Genetics in Breast Cancer
Elise Vander Weele, Alyssa Baker, Alicia Adams	Nursing	The Impact of Breastfeeding on Neonatal Alcohol Syndrome
Lindsey Grant, Rachele Tucker	Nursing	Family Presence during Resuscitation
Alaina Greer, Emily Liley, Grace Tatum	Nursing	The Effects of Skin-to-Skin Contact Between Infants and Fathers
Dana Golich, Lindsey Robeson, Lindsey Weston	Nursing	Use of Complementary Therapy in Mental Health Treatment
Kaleb DeFreese, Payton Scott, Nathan Diller	Health and Human Performance	Therapeutic Cupping: A Critically Appraised Topic
Julianna Davis, Zach Hobson, Autumn Meece	Health and Human Performance	Superior Peroneal Retinaculum Avulsion in a Female Extreme Sport Athlete: A Case Study
Laura Barkes, Michaela Dilling, Scarlett Waite	Health and Human Performance	Efficacy of Positional Release Therapy on the Reduction of Musculoskeletal Pain: A Critically Appraised Topic
Bray Fowler, Daniel Isaacs, Nick Harding	Health and Human Performance	Psychomotor Education in Health Science Programs
Joanna Ruhl	Theatre	The Cost of Shakespeare: A Funding Comparison of Three Summer Shakespeare Theater Companies
Charlie Hurlocker	School of Theology and Ministry	An Exploratory Study Comparing Traditional and Non-Traditional Undergraduates in Two Key Developmental Areas: Spirituality and Student-Faculty Interaction
Noah Koch	Mathematics	Figurate and k-Fibonacci Sequences Modulo x
Hannah Poor, Stephanie Mowery, Katherine Lovell	PSY-276	Congregational Inclusivity of Those with ADHD
Sarah Holt	PSY-276	Benefits of Sports Participation for Adolescents with Emotional Disabilities
Rachel Burgos, Lauren Meeks	PSY-276	Getting to Know You
Jillian Findlay	PSY-276	ADHD in Sunday School
Janelle Alexander	PSY-276	Breaking Down the Walls of ADHD in the Classroom
Tyler Long	PSY-276	ADHD Inclusion in Marching Band Programs
Elyse Wachsmuth	PSY-276	Creating Movement is Key to Helping ADHD
Alli Greear, Miranda McHugh, Jessica	PSY-276	ADHD in the Classroom
Hannah Kleber, Caleb Derby	PSY-276	Exercising ADHD
Wesley Mui	PSY-276	Stringin' Methods for Autism in the Classroom
Alexandra Mertz	Behavioral Sciences	The Effects of God-Priming on Self-Discrepancy Theory
Sarah Pierce	Behavioral Sciences	The Association Between Mirror Neurons and Empathic Concern in Autism Spectrum Disorder
Haley Platt	Behavioral Sciences	A Study of Effectiveness: Behavioral Couples Therapy
Emily Winegard	Behavioral Sciences	Easy Living to Livin' On a Prayer: Roommate Compatibility
Abby McFeaters	Behavioral Sciences	An Examination on the Accuracy of Birth Order Stereotypes
Sarah Pierce	Behavioral Sciences	Major Strengths: The Relation between StrengthsQuest Results and Declared Major Fields of Study
Katura Rowe	Behavioral Sciences	Investigating the Relationship Between Feminism and Perceived Pressure to Marry in Undergraduate College Students

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**HEALTH AND
HUMAN PERFORMANCE**

(Stage)

(Upstairs)

PSY-276

MATH

NURSING

STM

THEATRE

**NATURAL
SCIENCES**

BEHAVIORAL SCIENCES

(Upstairs)

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