

Celebration of Scholarship Poster Presentations

April 16, 2014
Barnes Student Center Commons
Indiana Wesleyan University

Note: Natural Science poster presentations are labeled with an 'S' and will take place between 4:30 and 5:30 pm on Wednesday, April 16. Odd numbers (S1, S3, S5, etc) will present between 4:30 and 5:00 pm. Even numbered science posters (S2, S4, S6, etc) will present between 5:00 and 5:30 pm.

Poster #	Student	Poster Title	Division
1	Ryan McLeland	Exploring Reasons for Student-to-Residence Hall Loyalty	AIRCats
2	Josh Matti and Hansol Kim	Implications of Roommate Selection for First Time Freshmen	AIRCats
3	Harrison Oliver, Nick Martens, Adam Mahon, and David Robinette	Applications in Software Development: Developing Mobile Web Apps	Computer and Information Systems
4	Caitlin Renema, Bethany Howlett, Erin Hunter, Hannah Whitaker, and Kellie Marine	The Effects of Touch on Comfort Levels Between Generations	Nursing
5	Kelly Hood, Jayme Hutcheson, Chloe Schrock, and Kayla Schulz	Personality types in different levels of nursing students at Indiana Wesleyan University	Nursing
6	Linnea Williams, Sarah Dennert, Latisha Workman, Kayla Lindsay, and Kayla Roberts	Nursing Students' Perception of Preparedness for Baccalaureate Graduation	Nursing
7	Rachel Beckner, Erin Lapp, Elizabeth Diesing, and Emily Johnson	Nurses' Perceived Effect of Personal Wellness Practices on Patient Health Education	Nursing
8	Katy Clark, Kala Dieterlen, Alyssa Rooke, Abby Brunner, and Dorie Clevenger	Is There a Relationship Between Eating Breakfast and Academic Achievement in College Age Students?	Nursing
9	Christy Richardson, Julia Kolanowski, and Kaitlin Reichard	Perception of Lifestyle Factors on Weight Change in Undergraduate Students	Nursing
10	Sarah Kleber, Liz Hix, Angela Rinker, and Bekah McCart	The Effects of Laughter on Stress in Traditional Nursing Students at Indiana Wesleyan University	Nursing
11	Sarah Bellis, Hannah Chiasson, Kristen Paul, Christina Benson, and Hannah Beson	The Effects of Relationship Status on Sleep and Exercise in Senior Nursing Students	Nursing

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12	Stephanie Sproat, Laura Craig, Rebekah Hutson, Kyla Morgan, and Hailey Smith	I Have Asthma: Why? Evaluating the Link between Household Tobacco Exposure and Childhood Asthma.	Nursing
13	Kelsey Craft, Maggie Csukor, Maggie Csukor, and Chrissy LoCascio	Examination of student compliance toward established rules and policies at a private, midwestern university	Nursing
14	Ben Emrick and Ryan Meier	Diction Doctor: Foreign Language Speaking Software	Computer and Information Systems
15	Jim Wu	Future of Facial Recognition	Computer and Information Systems
16	Jasmine Prim, Grace Clark, Alex Watson, Rachel Netzley, Lizzy Jones, Janelle Green, Jenna Gidman, Allison Detloff, and Kirsty Pattison	Gratitude and Indebtedness in Stranger Versus Acquaintance Relationships	Behavioral Sciences
17	Meredith Lapp, Kendra Smith, Alex Kursonis, and Matt Brackenhoff	The Effect of Participation in a Bingocize Program on Self-Efficacy, Muscular Strength, Balance, and Flexibility of Older Adults	Health and Human Performance
18	Sarah Ringenberger	The Effects of Chronic Stress upon the Hippocampus	Behavioral Sciences
19	Katherine Richards	The Relationship between Management of Cultural Differences & Dyadic Satisfaction among Interracial/Intercultural Couples: An Empirical Study	Graduate Counseling
20	Stephanie Anglin	The Role of School Counselor	Graduate Counseling
21	Molly Fuller	The Physical and Chemical Changes in the Reward/Salience Circuit Associated with Drug Addiction in the Human Brain	Social Science
22	Marion Aitchison	Neurological Abnormalities in the Initiation of Auditory Hallucinations in Schizophrenia	Behavioral Sciences
23	Elaine Bernius, Cody Ingle, and Emily Lumpkin	Hebrew Paleography	School of Theology and Ministry
24	Josh Greentree, Luis Orozco, Jon-Marc Ream, and Abby Reinke	Let's Get Motivated: The Relationship Between Fitness Assessment Results and Motivation to Exercise	Health and Human Performance
25	Devon Olrich, Ashley Judkins, Jackie Green, Andrew Albert, and Katie Hockett	Does faith-based affiliation affect the use of prayer among nursing staff?	Nursing
26	Christie Crawford, Jessi Young, Stormie Robinson, and Joyce Harrison	Do Nurses Really Eat Their Young?	Nursing
27	Cameron Ames	Addictions Recovery in the Information Age: How Technology is Being Leveraged by Addictions Ministries	Math and Computer Information Systems
28	Ashli Rice	Are You Going to Try Harder? Functions of the Anterior Cingulate Cortex	Psychology

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29	Patrick McLeland	Exploring Residence Hall Camaraderie Among Undergraduates	AIRCats
30	Josh Matti and Hansol Kim	Exploring Methods of Roommate Selection For Undergraduates	AIRCats
31	Wesley German	Transcendental Numbers in Mathematics	John Wesley Honors College/Mathematics
S1	Calli Williams	Rescue osteoblasts from cell death using GGOH: finding possible solutions to BRONJ symptoms	Natural Science
S2	Calli Williams	Use of geranylgeraniol to rescue osteoblasts and periodontal ligament fibroblasts from zoledronate-induced apoptosis	Natural Science
S3	Kaley Necessary	Analyses of Antibacterial Compounds Found in Moringa Oleifera and Moringa Stenopetala	Natural Science
S4	Alyssa Mann	Intraspecific Competition in Safflower Carthamus tinctorius L. and the Effects of Nutrient Supply on Growth and Biomass Production	Natural Science
S5	Emily Huffman	Comparison of L-ascorbic acid levels of organically and conventionally grown fruits and vegetables	Natural Science
S6	Emily Blake	Visualizing lysosomes with BacMam viral agents in Xenopus laevis embryos	Natural Science, Biology
S7	Nicolas Cheesman and Brad Batman	Study of Covalent Incorporation of Dyes and Antibacterial Drugs onto Monomers for Polymer Synthesis	Natural Science
S8	Hannah Newton	Single Telomere Length Analysis (STELA) in Tetrahymena Thermophila	Natural Science
S9	Nathan Timm and David Percy	Purification and in vitro Binding of Telomere Binding Proteins in Tetrahymena thermophila	Natural Science
S10	David Swygart	HCO ₃ ⁻ -dependent, K ⁺ -induced increase in proton flux at the endfoot of isolate muller cells of the tiger salamander	Natural Science
S11	David Swygart	Regulation of selective visual attention by acetylcholine and dopamine	Natural Science
S12	Kora Edwards	"Taking A Closer Look" at First Line of Treatment for Primary Open Angle Glaucoma Patients: Medication vs. Laser Therapy	Natural Science
S13	Rebecca Amstutz	County Health Rankings and Coal Mining in West Virginia	Natural Science
S14	Tyler Laubach, Danni Miller, David Hixson, and Bethany Williams	Examining pH Dynamics in Horizontal Cells and Their Role in Lateral Inhibition	Natural Science
S15	Sara Ruckman	Visualizing lysosomes using BacMam fluorescent protein markers in Xenopus laevis embryos	Natural Science
S16	Matthew McAdams	The Cognitive Benefits of Exercise	Natural Science
S17	Kayla Smith	Effects of REM on Long-Term Memory Consolidation	Natural Science

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S18	Kayla Smith	Calcium Content in Moringa Olifera and Moringa Stenopetela	Natural Science
S19	Rachel Little	Current drug development and pre-dementia clinical research for the prevention or deceleration of Alzheimer's disease.	Natural Science
S20	John Chapman	Water Quality Along the Mississinewa River in Marion, Indiana	Natural Science
S21	Ellen Steinke	Neurological pathways of visual thought in autistics	Natural Science
S22	Ellen Steinke	Neuroticism treated with Ecological Momentary Gratitude Intervention	Natural Science
S23	Ryan Kaufman	Potassium-Induced Increase in Proton Flux in Retinal Muller Cells	Natural Science
S24	Amanda Willhardt	The reemergence and Treatment of Pertussis	Natural Sciences
S25	Josh Ostrander and Heath Rose	Designing and Implementing a LabView Virtual Instrument for Differential Tunneling Spectroscopy Measurements	Natural Science
S26	Peter Conover	Cultivation and characterization of a chemoorganotrophic bacterium from Don Juan Pond, McMurdo Dry Valleys, Antarctica	Natural Science
S27	Brandon Cesario	Acanthamoeba keratitis	Biology
S28	Cory Thomas	The Effect of Water Quality on Survival and Fertilization Rates of Xenopus laevis	Biology
S29	Tobias Rumschlag	The connectivity of STN and GP pathway, and it's impact on Parkinson's disease	Biology
S30	Tobias Rumschlag	Fluorescent Cytoskeletal Protein Visualization in Muscle-Neural cocultures: A tool for NMJ formation study	Biology
S31	Drew Hawkins	Neuropsychological Abnormalities in Obsessive Compulsive Disorder	Biology
S32	Isaac Raptou	Identification of Mitochondria-RFP in Xenopus laevis	Biology
S33	Brooke Wood	Sulfur-Chemolithotrophic Bacteria from Waters of Taylor Valley Lake Hoare, Antarctica	Biology
S34	Leah Rasmussen	The effects of glutamate in hepes and bicarbonate buffer on the extracellular pH of horizontal cells isolated from catfish retina	Biology
S35	Madeleine Anstett	Gene Expression Alterations in the Brain from Chronic Alcohol Consumption	Biology
S36	Sara Bauer	Are Leaders Born or Made?	Biology
S37	Emily Crowl	The Standard Operating Procedure for the Care and Maintenance of Xenopus laevis Frogs Housed in a Custom Designed Flow Through System	Biology
S38	Zachary Koch	The Somatosensory System	Biology
S39	Travis Landis	Investigation of geranylgeraniol use to reverse zoledronate-induced death effects in human periodontal ligament fibroblasts	Biology

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S40	Kyle Davidson	Mitochondrial GFP expression in Xenopus muscle cell culture	Biology
S41	Heath Rose	Field Implementation of a Rotating Field Mass Spectrometer for the Purpose of Environmental Analysis	Physics
S42	David Percy	Lipid rafts are aggregated along with acetylcholine receptors	Biology
S43	Matt Eckhardt	Development of Tunneling Spectroscopy Apparatus for Kelvin and Sub-Kelvin measurements of superconducting energy gaps by interdisciplinary students at a liberal arts university	Biochemistry