



JOHN WESLEY HONORS COLLEGE

Celebration of Scholarship Poster Presentations

Tuesday, April 3, 2012

Barnes Student Center Commons

Students will list on their posters when they will be present to answer questions.

#	Presenters	Title	Division
1	Necole Reno	Eating and the Brain: The Neurophysiological Role of Glucagon-Like Peptide-1 in Food Behavior	Behavioral Science
2	Justin Gibson, Landen Ellyson, Michael Nichols	Characteristics Impacting Job Performance in the Military	Business
4	Andrew Demski (2)	Android Battery Management	Computer Science
5	Garrett Matney	WIWU TV Mobile App	Computer Science
6	Hilary Moore (1)	An Analysis of Survey Text to Explore Student Retention	AIRCats
7	Hilary Moore (2)	Impact of Word Workshop on Reading Achievement Scores of Students in K-2 in a Title I Elementary School	Education
9	Aubrey Lohser, Lauren Wilson, Heidi Breckner, Andrea Hochstettler	Tennis Ranking and VO ₂ Max	Exercise Science
10	Emily Percy (1)	Analysis of Indiana Wesleyan University's Wellness Program	Health and Human Performance
11	Emily Percy (2), SaraAnne Copple, Scott Arnold	Effectiveness of Blood Lactate Clearance in Arm Ergometry Active Recovery	Health and Human Performance
12	Kayla Golden, Mallory Carmichael, David Enger	Effects of 5-Hour Energy® on Blood Lactate Levels During Maximal Anaerobic Exercise	Health and Human Performance
13	Tiffany LeFever (1), Brittany Monasterio, Rachel Pyle, Emily Wilson	Community Improvement Project: Assessing the Need for a General Education Research Design Course	Leadership
14	Kayla Woods	Catalan Numbers: A Sequence to Count On	Mathematics
15	Kylee German	Wavelets: Transforming Signal Processing	Mathematics
16	Tyler Carrico	This Title is False! A Discourse on Paraconsistent Logic	Mathematics
17	Tyler Smith	Simple Content Management System: CIS-480 Applied Software Development Project	Mathematics and Computer Science
18	Courtney Bidwell	From Richard Rolle's Psalter to the King James Version: Religious and Political Dialogue in Early English Translations of the Bible	Modern Languages and Literature
19	Alexis Moxley	Image of Higher Power Among Midwestern AA Members	Psychology
20	Rebekah Bentle	"I Choose You!": The Role of the Nucleus Accumbens in the Formation of Partner Preferences	Psychology
21	Tessa Unger	Auditory Hallucinations	Psychology
22	Tiffany LeFever (2)	Connecting Students to Institutional Research	AIRCats

23	Jerolyn Seaborn	Using Text Analysis to Assess a Reflective Journal Program for Student Teachers	AIRCats
T1	Jonathan Bratton	Fleet Tracking App	Computer Science
T2	Sarah Heck	The Role of Automatic Thinking and Functioning in the Relapse of 10 Adolescent Drug Users	Graduate Counseling
T3	Andrea McFall	Folding Origami into Mathematics	Mathematics and Computer Science
T4-O1	Benjamin Bagley	Natural User Interface: An Interactive Informational Display	Mathematics and Computer Information Sciences
O2	Brittany Norby, Lauren Cox, Micah Shaw	The Effects of Longboarding on the Cardiovascular System	Health and Human Performance
S2	Anna Wheeler (1)	A Review of Synesthesia and its Neurological Implications for Both Synesthete Studies and Other Cognitive Research	Biology
S3	Anna Wheeler (2)	A Psychrophilic, Metabolically Diverse Bacterium from the Water Column of Lake Fryxell, Antarctica	Biology
S6	Elizabeth Eckhardt (1)	The Role of D2 Receptors in Food Addiction and Obesity and Implications for Treatment	Biology
S7	Elizabeth Eckhardt (2)	Biodiesel Production from Algae	Biology
S12	Kaylee Trout (1)	Inhibition of Solanaceae Seeds by <i>Artemisia annua</i>	Biology
S13	Kaylee Trout (2)	The Effects of Sleep on Explicit Memory Consolidation	Biology
S15	Lauren Slater (1)	Extremophile from Lake Vanda, Antarctica	Biology
S16	Lauren Slater (2)	The Neurophysiology of a Psychopath	Biology
S17	Meghan O'Grady (1)	Language Learning and Memory: A Neuropsychological Perspective	Biology
S18	Meghan O'Grady (2)	The Role of Nitric Oxide in the Co-Localization of Acetylcholine Receptors and Lipid Rafts	Biology
S19	Meredith Osborn (1)	The Formative Interplay Between Love and the Brain	Biology
S20	Meredith Osborn (2)	Ion-Selective Self-Referencing Microelectrode Technique and Applications	Biology
S25	Samantha Scouten (1)	The Role of Lipid Rafts in Acetylcholine Receptor Clustering in <i>Xenopus laevis</i> Muscle and Nerve Cell Co-Culture	Biology
S26	Samantha Scouten (2)	The Role of Brain Derived Neurotrophic Factor During Mood Episodes and the Progression of Bipolar Disorder	Biology
S41	Jaki Richter	Exercise and Enhanced Neurogenesis	Natural Sciences
S46	Matthew Decker (1)	Mirthful Laughter: A Review	Natural Sciences
S47	Matthew Decker (2)	The Role of GABA in Visual Processing in the Retina: Keys to Contrast	Natural Sciences

Natural Sciences Symposium Poster Presentations

Wednesday, April 4, 2012

Barnes Student Center Commons

Natural Science students will be present to answer questions from 4:00-5:00 PM.

#	Presenter	Title	Division
S1	Adam Baker	KC1-Induced Regulation of Proton Flux from Retinal Bipolar Cells	Biology
S2	Anna Wheeler (1)	A Review of Synesthesia and its Neurological Implications for Both Synesthete Studies and Other Cognitive Research	Biology
S3	Anna Wheeler (2)	A Psychrophilic, Metabolically Diverse Bacterium from the Water Column of Lake Fryxell, Antarctica	Biology
S4	Aubrey Bethel	Construction of a Fosmidomycin Analog for the Inhibition of Malaria	Biology
S5	Chelsea Reeves	New Cold-Active Strains of Aerobic, Chemoorganotrophic Bacteria from Two Permanently Ice-Covered Antarctic Lakes	Biology
S6	Elizabeth Eckhardt (1)	The Role of D2 Receptors in Food Addiction and Obesity and Implications for Treatment	Biology
S7	Elizabeth Eckhardt (2)	Biodiesel Production from Algae	Biology
S8	Emily Boyd	Maize Dwarf Mosaic Virus (MDMV) and Sugarcane Mosaic Virus (SCMV) Resistance to Wsm Genes	Biology
S9	Joseph Raber	Chromosomal End Protection with Shelterin	Biology
S10	Julia Headley	The Role of Eccentric Loading in Achilles Tendinopathy Management and Rehabilitation	Biology
S11	Karisa Burkholder	Glutamate and Potassium-Induced Depolarizations in Isolated Horizontal Cells Cause Extracellular Alkalinizations in the Catfish Retina	Biology
S12	Kaylee Trout (1)	Inhibition of Solanaceae Seeds by Artemisia annua	Biology
S13	Kaylee Trout (2)	The Effects of Sleep on Explicit Memory Consolidation	Biology
S14	Kelsey Decker	Nest Inhabitants of Fox Squirrels 2012: Indiana Wesleyan University--Marion Campus	Biology
S15	Lauren Slater (1)	Extremophile from Lake Vanda, Antarctica	Biology
S16	Lauren Slater (2)	The Neurophysiology of a Psychopath	Biology
S17	Meghan O'Grady (1)	Language Learning and Memory: A Neuropsychological Perspective	Biology
S18	Meghan O'Grady (2)	The Role of Nitric Oxide in the Co-Localization of Acetylcholine Receptors and Lipid Rafts	Biology
S19	Meredith Osborn (1)	The Formative Interplay Between Love and the Brain	Biology
S20	Meredith Osborn (2)	Ion-Selective Self-Referencing Microelectrode Technique and Applications	Biology
S21	Natalie Brown	Is Telomerase a Viable Target in Cancer?	Biology
S22	Paul Garverick	Horizontal Cells Regulate Extracellular pH by a Sodium/Calcium-Mediated Mechanism	Biology
S23	Paul Landis	Optimization of a β -actin Western Blot Loading Control In Reveromycin A Treated Osteoclasts	Biology

S24	Ryan Saba	Optimization of the ATDC5 Mouse Chondrocyte Line for Studying Potential Reveromycin A-Induced Cell Death	Biology
S25	Samantha Scouten (1)	The Role of Lipid Rafts in Acetylcholine Receptor Clustering in <i>Xenopus laevis</i> Muscle and Nerve Cell Co-Culture	Biology
S26	Samantha Scouten (2)	The Role of Brain Derived Neurotrophic Factor During Mood Episodes and the Progression of Bipolar Disorder	Biology
S27	Tori Lee	Imaging the Embryonic Neuromuscular Junction Using Deconvolution Fluorescence Microscopy	Biology
S28	Victoria Lee	Effect of Salicylic Acid on Thiol Production of Brassica Plants Exposed to Cadmium	Biology
S29	Melissa Potts	Highly Successful Urban Science Teachers: Their Attitudes, Practices, and Qualities	Biology Education
S30	Angela Garriott (2)	A Comparison of the Nest Inhabitants and Utilization of Nest Boxes on the IWU Campus	Biology
S31	Leah Bush, Angela Garriott (1)	Using the iPad as a Pedagogical Tool: Focus on Angular Motion Analysis with Real World Applications	Natural Sciences
S32	Angela Garriott (3)	Using the iPad as a Pedagogical Tool in an Algebra-Based University Physics Laboratory Course: Indiana Wesleyan University--Marion Campus	Natural Sciences
S33	Aaron Miller	<i>Daphnia magna</i> : Experiments on Phototactic Behavior	Natural Sciences
S34	Anna Noveroske	Effect of Climate Regimes On the Calcium Content of <i>Moringa oleifera</i> Leaves	Natural Sciences
S35	Brianna Burns	Spirituality and Measurable Indicators of Immune Resilience in Patients Undergoing Breast Cancer Therapies	Natural Sciences
S36	Caleb McCann	Neuromuscular Similarity to Humans Found in the Cnidarian <i>Aurelia aurita</i>	Natural Sciences
S37	Carli Riester	A Cold-Active, Halotolerant, Chemoorganotrophic Bacterium from Lake Vanda, Wright Valley, Antarctica	Natural Sciences
S38	David Collins	Optimization of NF- κ B Western Blot Signal in Reveromycin A-Treated Osteoclasts	Natural Sciences
S39	Elizabeth Rowland-Fisher	Intracellular Localization of Telomere Protein Fragments in <i>Tetrahymena thermophila</i>	Natural Sciences
S40	Ethan Laudermilch and Nate Linna	Nucleophilic Reaction POGIL Activity Development for Integrated Laboratory and Lecture	Natural Sciences
S41	Jaki Richter	Exercise and Enhanced Neurogenesis	Natural Sciences
S42	Kari Tornes	Ethanol Production from Algae	Natural Sciences
S43	Landon Ortiz	Reduction of Sepsis Lethality Using Phenolic Hydrazones	Natural Sciences
S44	Lauren Nugent	Characterization of Cell Death Effects in Reveromycin A-Treated Mouse Chondrocytes	Natural Sciences
S45	Luke Montgomery	The Importance of Ca ²⁺ in pH Regulation in Catfish Retinal Horizontal Cells	Natural Sciences
S46	Matthew Decker (1)	Mirthful Laughter: A Review	Natural Sciences
S47	Matthew Decker (2)	The Role of GABA in Visual Processing in the Retina: Keys to Contrast	Natural Sciences

S48	Nick Brown	Mapping Protein-Protein Interactions of the Tetrahymena Telomere Protein Complex	Natural Sciences
S49	Seth Masterson	Effective Tissue Culture of Moringa oleifera in its Various Stages of Growth	Natural Sciences
S50	Sonja Vogel	Domain Specific Proton Flux in Retinal Bipolar Cells	Natural Sciences
S51	Jim Wu	Labview-Based Instrumentation Control and Data Acquisition for Current-Voltage Measurement of Solid-State Devices	Physics
S52	Jenna Yeager	Treatment of Capillarid Dermatitis in Xenopus Laevis	Biology