

## Celebration of Scholarship Poster Presentations

April 15-16, 2015  
Barnes Student Center Commons  
Indiana Wesleyan University

Students in **INR 432 Global Governance** will present their posters from **1:00-2:30 pm** on Thursday, April 16.

**Natural Science poster presentations** are labeled with an 'S' before their number and will take place between **3:00 and 4:00 pm** on Thursday, April 16. Odd numbers (S1, S3, S5, etc) will present between 3:00 and 3:30 pm. Even numbers (S2, S4, S6, etc) will present between 3:30 and 4:00 pm.

Poster #	Student	Poster Title	Division
1	Dey Alao, Katie Wilson, Dalton Miller, & Molly Vanerkhoff	Stretching and Golf Performance	Health and Human Performance
2	Justin Shaffer & Matt Cuzzort	Spin Studio Dissociation	Health and Human Performance
3	Tess Anglemyer, Summer Hoffman, Corey Spencer, & Jake Stephens	PLYO+: The Effects of Plyometric Training on Exercise Performance in College Non-Athletes	Health and Human Performance
4	Lindsay Schroeder, Tim Shope, Jillian Owens, & Erika Isham	Effects of Gatorade and Water on Exercise	Health and Human Performance
5	Morgan Ryan, Alyssa Jones, Jared Worthman, & Zac Thompson	HIIT IT: The Physiological Differences Between Men and Women in Responses to HIIT Training	Health and Human Performance
6	Chloe Anglemyer, Liz DeMoss, Josiah Godbey, & Emily Stearns	What's Your Power Hour?: The Effects of Time of Day on Exercise Performance	Health and Human Performance
7	Adam Hayden, Jacob Beerman, Teneil Krebs, & Brittany Bok	A Comparison of Perceived Exertion Versus Actual Exertion During Exercise	Health and Human Performance
8	Lauren Haffner & Chelsea Newnum	Diagraphs of Commutative Rings	Mathematics and Computer Information Sciences
9	Nikki Lehman, Chris Montany, Brent Zerbe, & Erik Vanlandingham	Revoice: An Internet Application to Fulfill a Need in Lyrical Diction Training	Mathematics and Computer Information Sciences
10	Shane Toombs, Tyler Oliver, & Adam Mahon	IWU Mobile App: CIS Senior Project	Mathematics and Computer Information Sciences
11	Josh Matti	A Game Theoretic Model of Political Revolutions and Coups	Mathematics and Computer Information Sciences
12	Adam Wroughton	Training and Testing an Artificial Neural Network for Musical Note Classification	Mathematics and Computer Information Sciences

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<b>13</b>	Alesha Welling, Andrea Spallinger, Lauren Wolfe, & Lindsay McMenamin	Senior Nursing Students: Do Clinical Experiences Help Them Feel Prepared for Their First Jobs?	Nursing
<b>14</b>	Abby Rimel, Lauren Rimmer, Kristin Becker, Jared Renner, & Damon Detamore	Impact of Sleep Deprivation Among Nurses on Patient Safety	Nursing
<b>15</b>	Emily Edwards, Jessica Avery, & Brigid Templin	Alternative Methods for Pediatric Pain Management	Nursing
<b>16</b>	Kerry O'Connell, Maggie Hein, Jamie Wiedeman, & Brooke Shiftlet	Effectiveness of Medication Administration Dispensing Systems on Medication Errors	Nursing
<b>17</b>	Sarah Buck, Kayla McDaniel, & Katelyn Burris	Strategies for First-Time RN Licensing Success	Nursing
<b>18</b>	Ashley Harris, Paige Scott, Melissa Terhune, & Emily Seagrave	The Impact of Cross Cultural Experience on Baccalaureate Nursing Students	Nursing
<b>19</b>	Tina Huffman, Christina Oliver, Kaycee Collins, Shawna Evans, & Alex Collier	Nursing Students: Is There a Relationship Between Productivity and Grade Point Average?	Nursing
<b>20</b>	Elizabeth Bergquist, Dana Druetzler, Jeremy Lenich, & Jenna Toupin	Hourly Rounding: The Art and Science of Patient Satisfaction	Nursing
<b>21</b>	Shannon Norris, Lindsey Wenzel, Danielle Graham, & Joy Wood	Migraine Headaches: Which Complementary and Alternative Therapies are Effective?	Nursing
<b>22</b>	Rebecca Noveroske & Matthew Abebe	Is Space Technology Moving Away From the Hegemonic Control of Western Powers?: A Case Study on India and China	Social Sciences
<b>23</b>	Colin O'Grady & Deidre Plotts	U.S. Development Assistance: A Principal-Agent Analysis of Bilateral and Multilateral Foreign Aid	Social Sciences
<b>24</b>	Rachel Abrego & Aaron Augello	The Cost of Health: A Marxist Critique of the Contemporary Global Health Economy	Social Sciences
<b>25</b>	Nicole Rodriguez & Austin Brock	The Syrian Refugee Crisis and Possible Solutions	Social Sciences
<b>26</b>	Erik Ingebreston & Caleb Bowers	Classical Liberalism: Trade	Social Sciences
<b>27</b>	Michelle King & Samantha Tan	A Critical Approach to Humanitarian Aid: The Development and Democratization of Myanmar	Social Sciences
<b>28</b>	Alana Harrington & Keren Kandal	Causes of War: A Regional Analysis	Social Sciences
<b>29</b>	Sam Kane & Reed Maurer	Realism and Humanitarian Intervention	Social Sciences
<b>30</b>	Brandon Houser & Mathew Griggs	Feminism and Weapons of Mass Destruction	Social Sciences
<b>31</b>	Tim Scurlock & Lydia Flynn	Regional and National Counter-Terrorism Efforts in the EU	Social Sciences
<b>32</b>	Lydia Flynn	Mapping Major-Switching Activity Among Undergraduates	AIRCats

<b>Poster #</b>	<b>Student</b>	<b>Poster Title</b>	<b>Division</b>
<b>33</b>	Josh Matti	The Impact of Roommate Separation on Academic Performance	AIRCats
<b>34</b>	Caleb Bowers	Roommate Retention through the Lens of Myers-Briggs Types	AIRCats
<b>35</b>	Michelle King	Levels of Political Awareness among Students at Indiana Wesleyan University	AIRCats
<b>S1</b>	Andrew Wright	Designing Mechanical and Biological Filtration Systems for the Creation of a Sustainable Habitat for the Xenopus Model	Natural Sciences
<b>S2</b>	Madison DeHaven	Investigation of the Synovial Joint's Role in Equine Osteoarthritis	Natural Sciences
<b>S3</b>	Tyler Laubach & Nathan Gerick	Use of Tissue Slicing Technique to Measure pH Changes within Intact Retinal Samples	Natural Sciences
<b>S4</b>	David Swygart, Ellen Steinke, & Clarissa Burns	Inhibiting Extracellular Carbonic Anhydrase Increases the Dose-Dependent, K <sup>+</sup> -Induced Increase in Proton Flux of Müller Cells	Natural Sciences
<b>S5</b>	Kayla Taylor	Nutrient-Cycling Aerobic Bacteria from Permanently Ice-Covered Antarctic Lakes	Natural Sciences
<b>S6</b>	Danni Miller	Standing Flux in Müller Cells and the Effects of Pharmacological Tools on the Extracellular pH	Natural Sciences
<b>S7</b>	Jacob Leighty	Reduction of Nitrogen in Fertilizer Could have a Positive Effect on Yield on the Local Environment	Natural Sciences
<b>S8</b>	Valerie Sohasky	Visualization of Pacemaker Activity on Aurelia aurita Ephyrae with a Voltage Sensitive Fluorescent Probe	Natural Sciences
<b>S9</b>	Jacob Kellner	Use of Geranylgeraniol to Rescue Osteoblasts, Periodontal Ligament Fibroblasts, and Oral Keratinocytes from Zoledronate-Induced Cell Death	Natural Sciences
<b>S10</b>	Hannah Newton	Assembly of Pot1a and Pat1 Synthetic Constructs for the LoxP-Cre Recombinase System	Natural Sciences
<b>S11</b>	Amanda Wolfe	Effects of Diet on the Body's Balance of Hormones: The Link Between Diseases, Hormones, and Diet	Natural Sciences
<b>S12</b>	Chelsea Deaton & Ashley Dunman	Purification of Recombinant Tetrahymena Telomere Protein Fragments for Localization of Protein-Protein Building Sites	Natural Sciences
<b>S13</b>	Matthew McAdams	How Exercise Can Improve Memory: BDNF and IGF-1	Natural Sciences
<b>S14</b>	Ryan Kaufman & Chad Heer	Glial Cells in the CNS Modulate Synaptic Transmission by Regulating pH	Natural Sciences
<b>S15</b>	David Hixson	Examining the Self-Referencing Technique and Its Uses and Applications	Natural Sciences
<b>S16</b>	Haley Svrčina	Death Effects of Reveromycin A in Normal and Diseased Synovocytes	Natural Sciences

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<b>S17</b>	Holly Phillippe	A Comparison of the Calcium Concentration of Moringa oleifera and Moringa stenopetala	Natural Sciences
<b>S18</b>	Lindsay Kyle	Hypermobility: Determination of an Effective Treatment Style	Natural Sciences
<b>S19</b>	Kyle Burton	Coffee Consumption and Potential Health Benefits	Natural Sciences
<b>S20</b>	Luke Mathis	Effects of Streptococcus sobrinus and Streptococcus mutans in the Development of Dental Caries	Natural Sciences
<b>S21</b>	Jerolyn Seaborn	Culture-based Investigation of Sulfate and Nitrate-reducing Bacteria from Dry Valleys of Antarctica	Natural Sciences
<b>S22</b>	Tom Simons	Development of a Biochemistry Teaching Lab: Isolation and Characterization of Mushroom Tyrosinase	Natural Sciences