

POSTER PRESENTATION SCHEDULE

(See presenter index on pages 69-76)

Poster Presentation Listing By Poster Number

Located in the Multipurpose Rooms, Shriver Center

Session A: 1:00-2:30 p.m. **Session B:** 2:30-4:00 p.m.

| Poster Number | Session | Presenter | Poster Number | Session | Presenter |
|---------------|---------|--|---------------|---------|--|
| 1 | A | Andrew C. Behrle , Chemistry and German Major Advisor: Hongcai Zhou, Department of Chemistry and Biochemistry <i>Design and Synthesis of Heterometallic Paddlewheel Complexes</i> | 6 | B | Gayatri Guhanarayan , Interdisciplinary Studies Major Advisor: Ann L. Rypstra, Department of Zoology <i>Male-Male Competition in the Wolf Spider, <i>Pardosa Milvina</i></i> |
| 2 | B | Justin L. Eddy , Microbiology Major Advisor: Matthew W. Fields, Department of Microbiology <i>Characterization of a Sensory Box-Histidine Kinase Mutant in <i>Desulfovibrio vulgaris</i></i> | 7 | A | Michael W. Nowak , History and Political Science Major Advisors: Allan M. Winkler and Mary E. Frederickson, Department of History <i>Discriminating Tastes: Country Clubs and Elitist Attitudes in America</i> |
| 3 | A | Nino Testa , English Literature and Women's Studies Major Advisor: Dianne F. Sadoff, Department of English <i>The Love That Dare Not Scream Its Name: A Queer Reading of 19th and 20th Century Horror Fiction and Film</i> | 8 | B | Clare Yang , Electrical and Computer Engineering Major Advisors: Qihou Zhou and Yu Tong Morton, Department of Electrical and Computer Engineering <i>Object Tracking Using Stereo Vision and its Application on an Autonomous Lawnmower</i> |
| 4 | B | Megan E. Miller , Zoology Major Advisors: Susan M. Hoffman and Mary C. Steinwald, Department of Zoology <i>Is There a Lack of Interbreeding between Two Nearby Populations of Northern Deer Mice, <i>Peromyscus Memiculatus</i> Fracilis? Implications for Conservation</i> | 9 | A | Jill M. Fritz , Microbiology Major Advisor: John R. Stevenson, Department of Microbiology <i>The Quantification of Corticosterone Induced Apoptosis in Protein-Malnourished, Weanling Mice</i> |
| 5 | A | Jonathan L. Hollis , Music and Anthropology Major Advisor: Ronald H. Spielbauer, Department of Anthropology <i>An Investigation of Drum Corps Identity</i> | 10 | B | Jacob D. Hinkle , Physics and Mathematics Major Advisor: Burcin S. Bayram, Department of Physics <i>Hyperfine Depolarization Effect of Zeeman Coherences in the Cesium First Excited State</i> |

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|---------------|---------|--|---------------|---------|--|
| 11 | A | David W. Rench , Physics Major Advisor: Jeffrey A. Clayhold, Department of Physics <i>From Instrumentation to Measurement: The Seebeck Effect in Multiple Thin Film Samples</i> | 16 | B | David A. Givens , Geology Major Advisors: Brian S. Currie and William T. Wilcox, Department of Geology <i>Subsurface Geology of the Sundance and Stump Formations, Wyoming: Implications for Tectonic and Paleogeographic Reconstructions of the Jurassic Western Interior Seaway</i> |
| 12 | B | Lynne D. Christofaris , Speech Pathology and Audiology Major Advisor: Fofi Constantinidou, Department of Speech Pathology and Audiology <i>Comparing Word Retrieval Abilities: Effects of Aging, Traumatic Brain Injury, and the Use of a Categorization Training Program</i> | 17 | A | Keith E. Gilland , Botany Major Advisor: Carolyn H. Keiffer, Department of Botany <i>Seed Production of Forest-Grown American Chestnut <i>Castanea Dentata</i> in West Salem, Wisconsin</i> |
| 13 | A | Sumukh A. Torgalkar , English Literature Major Advisor: Robert Martin, Department of English <i>Postcolonialism Behind the Lens and On the Page: The Depiction of Race, Gender, Sexuality and the Family in South Asian Diasporic Cinema and Literature</i> | 18 | B | Sarah J. Reed , Interdisciplinary Studies Major Advisor: Amanda Diekman, Department of Psychology <i>Stereotypes of Self-Destructive Disorders</i> |
| 14 | B | Bryan S. Javorek , Engineering Physics Major Advisor: Michael J. Pechan, Department of Physics <i>Interlayer Exchange Coupling in CoPt/Ru/CoFe Trilayers</i> | 19 | A | Lauren E. Land , Microbiology Major Eva Lu , Microbiology Major Advisor: Marcia R. Lee, Department of Microbiology <i>Antifungal Properties of Aloe</i> |
| 15 | A | Dave T. Greiner , Physics Major Advisor: Jennifer M. Blue, Department of Physics <i>Improving Physics Labs Part II: Survey of the Faculty</i> | 20 | B | Michelle M. Smith , Political Science Major Summer Internship at the World Health Organization <i>World Health Organization Framework Convention on Tobacco Control--Strategies and Challenges of the WHO's First International Public Health Treaty</i> |

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|---------------|---------|---|---------------|---------|--|
| 21 | A | Vivek R. Gursahaney , International Studies and Economics Major Advisor: Arpana Sircar, Department of History <i>Indian Foreign Policy for the 21st Century</i> | 25 | A | Mikaela M. Adams , Anthropology and History Major Advisor: Ronald H. Spielbauer, Department of Anthropology <i>Roman Languedoc: The Lasting Influence of Classical Contact and the Roman Wine Trade</i> |
| 22 | B | Rob C. Leitner , Psychology Major Patrick A. Harmon , Psychology Major Emily A. LaPlante , Psychology Major Advisors: Leonard J. Smart and Edward W. Otten, Department of Psychology <i>Effect of Intrinsic Versus Externally Generated Motion on Visually Induced Motion Sickness</i> | 26 | B | Jacob M. Mathew , Zoology Major Advisors: Stacey Lowery Bretz and Nathaniel P. Grove, Department of Chemistry and Biochemistry <i>Online Data Collection and Database Development for Survey; Research in Chemistry Education</i> |
| 23 | A | LaKenya M. Hill , Accounting Major Advisor: Sabrina Neely, Department of Marketing <i>Understanding the Communication and Influence Dynamics Between Parents and Children in Food Consideration and Selection</i> | 27 | A | Jamie C. Calobrisi , Psychology Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>You Say You're Greek? I'll Drink To That!</i> |
| 24 | B | Casey C. Miller , Computer Engineering Major Blake C. Samic , Engineering Management Major Kyle E. Pickering , Electrical Engineering Major Advisors: Yu T. Morton and Mikel M. Miller, Department of Electrical and Computer Engineering <i>Miami Metro GPS Tracking</i> | 28 | B | Rachael E. Ivie , Urban and Regional Planning Major Advisor: James M. Rubenstein, Department of Geography <i>Changing Lakefront Land Uses: Chicago and Cleveland</i> |
| | | | 29 | A | Kaila M. Gregory , Political Science and Journalism Major Advisor: Cheryl Heckler, Department of English <i>Killing in the Name of Wealth and Honor: A Comparative Analysis of Violence Against Women in India and Jordan</i> |

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|---------------|---------|--|---------------|---------|---|
| 30 | B | Emily K. Stuebing , Zoology Major Advisor: Paul F. James, Department of Zoology <i>The Effect of Reduced Na,K-ATPase alpha1 Expression on the Sodium-Iodide Symporter (NIS) and Thyroid Function in the Mouse</i> | 35 | A | Katerina Vaclavikova , Biochemistry Major Advisor: John W. Hawes, Department of Chemistry and Biochemistry <i>Optimization of Conditions for LC-MS Analysis of Acyl-CoA Thioesters</i> |
| 31 | A | Craig P. Seaborn , Microbiology Major Advisor: Xiao-Wen Cheng, Department of Microbiology <i>Test of the Function of SV40 Polyadenylation Signal in the Baculovirus Expression System</i> | 36 | B | Gail L. Henry , Zoology Major Advisor: Paul F. James, Department of Zoology <i>Generation of Adenoviruses Expressing Chimeric Na, K-ATPase Alpha Isoforms</i> |
| 32 | B | Rachel E. Hall , Zoology Major Advisor: Joyce J. Fernandes, Department of Zoology <i>The Adult Abdominal Neuromuscular Junction of Drosophila</i> | 37 | A | Rebecca J. Burgess , Biochemistry Major Christopher D. Ruark , Biochemistry Major Advisor: Christopher A. Makaroff and Xiaohui Yang, Department of Chemistry and Biochemistry <i>Characterization of Chromatin Remodeling Proteins in Arabidopsis thaliana</i> |
| 33 | A | Nick E. Maull , Zoology and Neuroscience Major Scott P. Naples , Zoology Major Jake M. Gunzenhaeuser , Zoology Major Advisors: Kathleen A. Killian and Kaushik Ghosal, Department of Zoology <i>Using C-Fos to Trace Neuronal Pathways Via Antennal Stimulation</i> | 38 | B | Malissa L. Frost , Zoology Major Advisor: Kathleen A. Killian, Department of Zoology <i>Functional Mapping of Intersegmental Interneurons in the Cricket Central Nervous System</i> |
| 34 | B | Mitchell R. Logan , East & South Asia Major Advisor: Stanley W. Toops, Department of Geography <i>Economic and Social Effects on China of WTO Agreement</i> | 39 | A | Janielle A. Hairston , Spanish Major Advisor: Barbara Heuberger, Department of Teacher Education <i>Diversity in Teaching</i> |
| | | | 40 | B | Andrea R.V. Vigil , Zoology Major Advisor: Joyce J. Fernandes, Department of Zoology <i>The Role of Hedgehog Signaling in Drosophila Muscle Development</i> |

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|---------------|---------|--|---------------|---------|---|
| 41 | A | Brittany P. Bagent , Urban and Regional Planning and German Major Advisor: James M. Rubenstein, Department of Geography <i>Neckargemund: The Study of German Urban Structure</i> | 46 | B | Jeremy A. Moore , Zoology Major Advisor: Ann L. Rypstra, Department of Zoology <i>The Influence of Courtship Experience on Mating Success in a Cellar Spider</i> |
| 42 | B | Adrian C. Allen , Dietetics Major Advisor: Christopher A. Makaroff, Department of Chemistry and Biochemistry <i>Characterization of GLX.2-like Genes in Arabidopsis Thaliana</i> | 47 | A | Delaney M. Mabry , Speech Pathology and Audiology Major Advisor: Fofi Constantinidou, Department of Speech Pathology and Audiology <i>Cross-cultural Neuropsychological Test Performance in Greek and English Speakers: A Comparative Study of Older Adults</i> |
| 43 | A | Sravanthi L. Reddy , Zoology Major Advisor: Katia Del Rio-Tsonis, Department of Zoology <i>The Role of the BMP Pathway in Chick Retina Regeneration</i> | 48 | B | Alicia K. Gaulke , Microbiology and Environmental Science Major Advisor: Michael J. Vanni, Department of Zoology <i>Factors Affecting Sedimentation Fluxes and Export Ratios in Experimental Ponds</i> |
| 44 | B | Vanessa L. Abejuela , Zoology and English Literature Major Annemarie M. McCartney , Zoology Major Advisor: Lori G. Isaacson, Department of Zoology <i>Effects of NGF Infusion on <i>trk B</i> Expression in the Rat Spinal Cord</i> | 49 | A | Nichole M. Scaglione , Psychology Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>How Far Do Parents Reach? Perceived Parenting Styles and College Adjustment</i> |
| 45 | A | Daniel M. Parise , Zoology Major Advisor: Paul F. James, Department of Zoology <i>Construction of Transgene to Generate Mice in which pH can be Measured Specifically in the Sperm Tail</i> | | | |

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|---------------|---------|--|---------------|---------|---|
| 50 | B | Joel D. Neft , English Education Major Advisor: Alan M. Frager, Department of Teacher Education <i>African American Students and Summer Reading</i> | 55 | A | Montra A. Yazdani , Zoology Major Advisor: Ann L. Rypstra, Department of Zoology <i>Behavioral Effect of Female Silk Dragline on Male Wolf Spider, Hogna Helluo</i> |
| 51 | A | Henry Tran , Mechanical Engineering Major Advisors: Amit Shukla and Fazeel J. Khan, Department of Mechanical and Manufacturing Engineering <i>Control and Dynamics of Hybrid Vehicles; Environmental Impact and Safety of Hybrid Vehicles</i> | 56 | B | Jessica S. Smith , History and Public Administration Major Advisor: Mary E. Frederickson, Department of History <i>Pragmatic Women Lawyers: Three Women Lawyer's Contributions to Social Reform, 1880-1920</i> |
| 52 | B | Kelly J. Vonder Haar , Chemistry Major Advisor: Ann E. Hagerman, Department of Chemistry and Biochemistry, and Helaine Alessio, Department of Physical Education, Health, and Sport Studies <i>Exercise and Cardiovascular Health in Rats</i> | 57 | A | Douglas K. Voris , Zoology Major Advisor: Ann L. Rypstra, Department of Zoology <i>Importance of Chemotactile and Visual Cues in Intraspecific Interactions of a Wolf Spider (Araneae: Lycosidae)</i> |
| 53 | A | Samantha M. Russak , Zoology and Anthropology Major Advisor: William C. McGrew, Department of Zoology <i>Primate Super-Groups? Polyspecific Associations of Captive Monkeys</i> | 58 | B | Eduardo T. Rivera , Mechanical Engineering Major Advisors: Michael Bailey-Van Kuren and Benjamin C. Hamilton, Department of Mechanical and Manufacturing Engineering <i>Material Properties of Fiberglass Casts and Development of Orthotic Boot</i> |
| 54 | B | Michael J. Salerno , Engineering Physics Major Advisor: Paul K. Urayama, Department of Physics <i>Pressure-induced Acidification in Aqueous Buffers Probed Using cSNAFL</i> | 59 | A | Scott C. Bresler , Chemistry Major Advisor: Benjamin W. Gung, Department of Chemistry and Biochemistry <i>Synthetic Studies of Several Naturally Occurring, Bioactive Polyacetylenes</i> |
| | | | 60 | B | Kimberly D. Walko , Urban and Regional Planning and Geography Major Advisor: James M. Rubenstein, Department of Geography <i>Cabrini-Green: A Changing Community</i> |

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|---------------|---------|---|---------------|---------|--|
| 61 | A | Stacy A. Sugarbaker , Biochemistry Major Advisor: Michael W. Crowder, Department of Chemistry and Biochemistry <i>Probing Zn(II)-Containing Proteins in E. Coli</i> | 66 | B | Jeffrey M. Hyde , Mathematics and Physics Major Advisor: Charles S. Holmes, Department of Mathematics and Statistics <i>Poincare Model of Hyperbolic Geometry</i> |
| 62 | B | Rebecca A. Payne , English Literature Major Advisor: J. Kerry Powell, Department of English <i>I Have to Act to Live: Performativity and Identity in Victorian Literature</i> | 67 | A | Stephanie B. Thieman , Microbiology and Environmental Science Major Advisor: Matthew W. Fields, Department of Microbiology <i>Exposure of Desulfovibrio vulgaris Cells to Chromium(VI) Temporarily Decouples Lactate Oxidation from Sulfate Reduction</i> |
| 63 | A | Matthew J. Poturalski , Chemistry Major Advisor: Michael Novak, Department of Chemistry and Biochemistry <i>Reactivity and Selectivity of 4'-Substituted-4-Biphenyloxygenium Ions</i> | 68 | B | Lauren M. Rosing , Psychology Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>The Effects of College Transition on Smoking Habits of First Year Students</i> |
| 64 | B | Joshua W. Jacob , Physics Major Advisor: Jennifer M. Blue, Department of Physics <i>Reform of Introductory Laboratories: Baseline Data</i> | 69 | A | Timothy I. Combs , Zoology Major Advisors: Alan B. Cady and Bruce A. Steinly, Department of Zoology <i>Effects of Supplemented Biomass on Soil Collembola and Acari Abundances</i> |
| 65 | A | Jillian B. Elder , Zoology and Environmental Science Major Advisor: Maria J. Gonzalez, Department of Zoology <i>Effects of Predation on Zooplankton Communities in a Highly Productive Reservoir</i> | 70 | B | Holly J. Puglis , Zoology and Life Science Education Major Advisor: Michelle D. Boone, Department of Zoology <i>Effects of Multiple Stressors on Hatching and Survival of Bullfrog Tadpoles</i> |
| | | | 71 | A | Adam C. Welch , Zoology Major Advisors: Kathleen A. Killian and Kaushik Ghosal, Department of Zoology <i>An Anatomical Study of Hair Plate Mechanoreceptors in the Cricket</i> |

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|---------------|---------|--|---------------|---------|---|
| 72 | B | Molly A. Wilbarger , Geography Major Advisor: Thomas C. Klak, Department of Geography <i>Oxford, Ohio's Local Food Web: Sketches of a New System</i> | 77 | A | Victoria White , Psychology and Human Resource Management Major Advisors: Hyeg Joo Choi and Leonard S. Mark, Department of Psychology <i>The Effect of Task on the Hand Used to Reach</i> |
| 73 | A | Katie E. Miller , Speech Pathology and Audiology Major Advisory: Fofi Constantinidou, Department of Anthropology <i>The Effects of Traumatic Brain Injury (TBI) and Normal Aging on Using Rule-Governed Responses During Category Tasks</i> | 78 | B | Joseph J. Lopez , Microbiology and Neuroscience Major Advisors: Stacey L. Bretz and Nathaniel P. Grove, Department of Chemistry and Biochemistry <i>Visualizing Chemistry: Creating a Demonstrations Database</i> |
| 74 | B | Mark Taliaferro , Psychology and Political Science Major Advisors: Leonard S. Mark, Victoria E. Spurling, and Hyeg J. Choi, Department of Psychology <i>The Perception of Objects with Multiple Affordances</i> | 79 | A | Nancy H. Hull , Diplomacy and Foreign Affairs and International Studies Major Advisor: Patrick J. Haney, Department of Political Science <i>U.S. Foreign Aid Policy</i> |
| 75 | A | Clifford W. Moore , Zoology Major Advisor: Richard E. Lee, Department of Zoology <i>Does the Rapid Cold-Hardening Response Protect <i>Drosophila</i> from Cold-Induced Apoptosis?</i> | 80 | B | Sandra K. Seagraves , Chemistry Major Advisor: Carolyn A. Haynes, Honors and Scholars Program <i>Evaluation of the University Honors Program</i> |
| 76 | B | Sarah C. Wieman , Studio Art Major Advisor: Christopher R. Wellin, Department of Sociology and Gerontology <i>Countering Stereotypes of Aging Using Photography: Images from a Local Senior Center</i> | 81 | A | Eric J. Teske , Exercise Science Major Advisor: Robert S. Weinberg, Department of Physical Education, Health, and Sport Studies <i>Sources of Stress and Coping Strategies of Competitive Young Athletes and Their Parents and Coaches</i> |

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|---------------|---------|---|---------------|---------|--|
| 82 | B | Audrey L. Lozier , Psychology Major Matthew S. Kendra , Psychology Major Jessica C. Parks , Psychology Major Andrea R. Mankins , Psychology Major Melissa R. Borkon , Psychology Major Advisors: Sian L. Beilock and Marci S. DeCaro, Department of Psychology <i>Working Memory and Strategy Selection in High-Stakes Math Testing</i> | 87 | A | Rebecca E. Supiano , Comparative Religion Major Advisor: Julye Bidmead, Department of Comparative Religion <i>Mary Magdalene</i> |
| 83 | A | Rachel M. Dill , Speech Pathology and Audiology Major Allison J. Schaser , Speech Pathology and Audiology Major Advisor: Susan E. Baker, Department of Speech Pathology and Audiology <i>Measurement of Maximum Respiratory Pressures in Healthy Adults</i> | 88 | B | Cody A. Yarledds , Mechanical Engineering Major Ryan E. Reinke , Mechanical Engineering Major Charles F. Runtz , Engineering Management Major Advisor: Robert J. Setlock, Department of Mechanical and Manufacturing Engineering <i>Polarizing Light Box</i> |
| 84 | B | Brian D. Dishong , Zoology Major Advisors: Jon P. Costanzo and Richard E. Lee, Department of Zoology <i>Influence of Temperature on Overwintering Energetics in the Hatchling Painted Turtle, Chrysemys Picta</i> | 89 | A | Victoria L. Gaess , Psychology Major Advisor: Garold L. Stasser, Department of Psychology Social Value <i>Orientation and Group Involvement</i> |
| 85 | A | Amy R. Lindsay , Speech Pathology and Audiology Major Advisor: Susan E. Baker, Department of Speech Pathology and Audiology <i>Speech Production During Submaximal Aerobic Exercise</i> | 90 | B | Elizabeth L. Hang , Sociology Major Megan E. Brinker , French Major Alexander J. Kanasz , Sociology Major Rachel A. Sackenheim , Psychology Major McKenzie L. Mathys , Psychology Major Advisor: Glenn W. Muschert, Department of Sociology and Gerontology <i>Luke Woodham and the Pearl, Mississippi Shooting</i> |
| 86 | B | Natalie M. Baumann , Psychology Major Maegan A. Addis , Psychology Major Amanda M. Johnston , Psychology Major Advisor: Amanda B. Diekman, Department of Psychology <i>Shifting Standards and Performance Evaluations</i> | 91 | A | Jessica R. Filley , Biochemistry Major Advisor: John W. Hawes, Department of Chemistry and Biochemistry <i>Valine Catabolism in Plants</i> |

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| 92 | B | Ellen L. Koch , Zoology Major Christopher G. Chapman , Zoology Major Advisor: Paul A. Harding, Department of Zoology <i>Molecular Cloning and Expression of ADAM-12 S in E. coli</i> | 96 | B | Christopher D. Ruark , Biochemistry Major Rebecca J. Burgess , Biochemistry Major Advisor: Christopher A. Makaroff, Department of Chemistry and Biochemistry <i>Characterization of Chromatin Remodeling Proteins in Arabidopsis thaliana</i> |
| 93 | A | Yarden Ginsburg , Interdisciplinary Studies Major Advisors: William H. Newell and Muriel L. Blaisdell, School of Interdisciplinary Studies <i>The Impact of Emerging and Remerging Viral Infections and Possible Public Health Solutions</i> | 97 | A | Erin E. Kelley , Graphic Design Major Advisor: Benjamin A. Sibley, Department of Physical Education, Health, and Sport Studies <i>Effects of Exercise on Cognitive Function</i> |
| 94 | B | Julie A. Schroeder , Zoology and Biochemistry Major Advisor: Yolanda Sanchez, Dartmouth College <i>Identification of Suppressor Genes in Saccharomyces Cerevisiae that Compensate for Mutations in Known Checkpoint Genes and Allow for Recovery from Replication Blocks and DNA Damage Caused by Hydroxyurea</i> | 98 | B | Christine E. Hajdin , Biochemistry Major Advisor: Michael W. Crowder, Department of Chemistry and Biochemistry <i>Reaction Mechanism of Metallo-b-Lactamase Imis from Aeromonas Sobria</i> |
| 95 | A | Andrew R. Jacobs , Physics Major Advisor: James P. Clemens, Department of Physics <i>Entanglement: Using the Quantum World to Improve Atomic Clocks</i> | 99 | A | Michael W. Ambrogio , Chemistry Major Advisor: Hongcai Zhou, Department of Chemistry and Biochemistry <i>An Investigation into the Properties of Organometallic Dimetal Complexes</i> |
| | | | 100 | B | Kathleen E. Beddow , Engineering Physics Major Meron Y. Tekeste , Physics Major Senthil A. Rajagopal , Physics Major Advisor: Jan M. Yarrison-Rice, Department of Physics <i>Modeling of Traditional and Photonic Bandgap Waveguide Structures</i> |

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|---------------|---------|--|---------------|---------|---|
| 101 | A | Katherine A. Bibish , History and Political Science Major Advisor: Stephen M. Norris, Department of History <i>The Invincible Phantom: Stalin's Scuttle through Putin-era Russia</i> | 106 | B | Michael C. Angellotti , Computer Science Major Advisor: Xiu-Feng Wan, Department of Microbiology <i>Analysis of Synonymous Codon Usage Bias</i> |
| 102 | B | Lindsey K. Rasmussen , Psychology Major Elizabeth Anne Peterson , Zoology Major Kristin J. Fisher , Zoology Major Advisor: Phyllis A. Callahan, Department of Zoology <i>Role of Orphanin FQ/Nociceptin in Maternal Behavior and Offspring Survival</i> | 107 | A | Allison R. Siehnel , English Literature and Journalism Major Advisor: Dianne F. Sadoff, Department of English <i>Looking at Women in 19th Century Fiction: How the Construction of Gender Limits and Incarcerates Identity</i> |
| 103 | A | Krystal K. Lockett , Microbiology Major Alicia M. Wellman , Microbiology Major Advisor: Marcia R. Lee, Department of Microbiology <i>Synergistic Antifungal Drug Combinations against Fusarium Species</i> | 108 | B | Cara J. Maldonado , Speech Pathology Major Advisor: Michael Novak, Department of Chemistry and Biochemistry <i>Characterization of Organic Reactive Intermediates Called Aryloxenium Ions</i> |
| 104 | B | Ahmer K. Ghorl , Chemistry and Economics Major Advisor: Katia del Rio-Tsonis, Department of Zoology <i>Tole of RCAs OTX in Retinal Regeneration</i> | 109 | A | Maria A. Han , Chemistry and Economics Major Advisor: Terry M. Perlin, School of Interdisciplinary Studies <i>The Patient Experience of the Hispanic Population in Detroit, Michigan</i> |
| 105 | A | Joel A. Schwab , Geography and Environmental Science Major Advisor: Kimberly E. Medley, Department of Geography <i>Prioritizing Forest Patches for Conservation in the Four Mile Creek Watershed, Butler County, Ohio</i> | 110 | B | Shana C. McCormick , Psychology and Family Studies Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>The Impact of Stress in the Lives of Children</i> |

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| 111 | A | Katherine M. Binzel , Engineering Physics Major Jonathan A. Dudley , Engineering Physics Major Advisor: Paul K. Urayama, Department of Physics <i>Accurate Excited-state Lifetimes Measured Using a 1-GHz-bandwidth Photodetector</i> | 116 | B | Nancy H. Hull , International Studies and Diplomacy and Foreign Affairs Major Advisor: Jeanne A. Hey, International Studies Program <i>Vulnerabilities in the Belgian Energy Sector</i> |
| 112 | B | James R. Snyder , Anthropology and Mechanical Engineering Major Advisor: Ronald H. Spielbauer, Department of Anthropology <i>The Science Behind Archaeological Tools and Instruments</i> | 117 | A | Meaghan E. Geist , Engineering Management Major Advisor: Robert J. Setlock, Department of Mechanical and Manufacturing Engineering <i>What Stimulates Bone Growth?</i> |
| 113 | A | Annemarie M. McCartney , Zoology Major Advisor: Lori G. Isaacson, Department of Zoology <i>Effects of NGF Infusion on Trk B Expression In the Rat Spinal Cord</i> | 118 | B | Anne M. Simiele , Zoology Major Casandra L. Thompson , Microbiology Major Advisors: Kenneth G. Wilson and David A. Francko, Department of Botany <i>Tissue Culture Techniques for Micropropagation Of Cold-Hardy Bananas</i> |
| 114 | B | Alyssa S. Paloian , Microbiology Major Joseph J. Lopez , Microbiology Major Advisor: Stacey L. Bretz, Department of Chemistry and Biochemistry <i>Visualizing Chemistry: Creating a Demonstrations Database</i> | 119 | A | Jessica L. Truelove , Chemistry Major Advisor: Benjamin W. Gung, Department of Chemistry and Biochemistry <i>Synthetic Studies on Siphonodiol</i> |
| 115 | A | Elizabeth K. Nellums , Interdisciplinary Studies Major Advisor: Martin H. Stevens, Department of Botany <i>Testing for the Presence of a Tradeoff between Competitive Ability and Predation Resistance in Bacteria</i> | 120 | B | Randy J. Cole , Psychology Major Advisor: Leonard J. Smart, Department of Psychology <i>The Effect of Task Constraints on Long-Term Coordination</i> |
| | | | 121 | A | Janet L. Utech Psychology Major Advisor: Patricia C. Ellerson, Department of Psychology <i>Attachment Patterns and Social Phobia</i> |

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Poster Presentation Listing By Poster Number

Located in the Multipurpose Rooms, Shriver Center

Session A: 1:00-2:30 p.m. **Session B:** 2:30-4:00 p.m.

| Poster Number | Session | Presenter | Poster Number | Session | Presenter |
|---------------|---------|---|---------------|---------|---|
| 122 | B | Ashley L. Kuntz , Botany and Environmental Science Major Advisor: John Z. Kiss, Department of Botany <i>Optimization of Labeling Procedures for Microarray Analysis</i> | 127 | A | Nora E. Fritz , Zoology Major Advisors: Kathleen A. Killian and Kaushik Ghosal, Department of Zoology <i>Does Social Behavior Increase Neurogenesis in the Cricket Brain?</i> |
| 123 | A | Julian R. Haines , Finance Major Advisor: Melissa A. Chase, Department of Physical Education, Health, and Sport Studies <i>Sources of Self Confidence and Their Affect on Student Athletes</i> | 128 | B | Erin L. Hoffman , English Creative Writing and Psychology Major Advisor: Donald A. Daiker, Department of English <i>Happily Never After: Gender Relationships in the Fiction of Ernest Hemingway</i> |
| 124 | B | Kathryn L. Dieter , Zoology Major Advisors: Craig E. Williamson and Sandra J. Connelly, Department of Zoology <i>Freshwater Zooplankton as a Biological Control of the Human Pathogens <i>Cryptosporidium Parvum</i> and <i>Giardia Imblia</i></i> | 129 | A | Bridget E. Troy , Urban and Regional Planning and Geography Major Advisor: James M. Rubenstein, Department of Geography <i>Gentrification of Bronzeville: Aspects that Promote or Hinder Development in the Community</i> |
| 125 | A | Megan E. Solon , Spanish Major Advisor: Ramon Layera, Department of Spanish and Portuguese <i>El Poder del Sexo y el Sexo del Poder: A Critical Look at the Empowering Capabilities of Sex Within the Texts of U.S. Latina Writers</i> | 130 | B | Willis M. Okech Oyugi , Environmental Studies and History Major Advisor: R. Hays Cummins, School of Interdisciplinary Studies <i>Socio-cultural View at Issues and Future of Masai Mara Game Reserve, Kenya</i> |
| 126 | B | Allison M. Siebert , Psychology and Neuroscience Major Advisor: Joyce J. Fernandes, Department of Zoology <i>The Regulation of Myoblast Numbers during Muscle Formation in <i>Drosophila</i></i> | 131 | A | Thomas D. Seibert , Zoology Major Sandra J. Connelly , Department of Zoology Advisors: Craig E. Williamson and Sandra J. Connelly, Department of Zoology <i>Lethality of Ultraviolet Radiation in Aquatic Invertebrates: Does Acclimation Increase Survival Rates?</i> |

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Located in the Multipurpose Rooms, Shriver Center

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| Poster Number | Session | Presenter | Poster Number | Session | Presenter |
|---------------|---------|---|---------------|---------|--|
| 132 | B | Maria A. Wellman , Speech Pathology and Audiology Major Advisor: Fofi Constantinidou, Department of Speech Pathology and Audiology <i>Feature Description Abilities after Systematic Categorization Training in Normal Aging and in Subjects with TBI: Qualitative and Quantitative Analyses</i> | 136 | B | Shirley K. Wang , Interdisciplinary Studies Major Advisor: Terry M. Perlin, School of Interdisciplinary Studies <i>Beyond Stigma and Taboo: Sexual Violence in Taiwan</i> |
| 133 | A | Jennifer L. Jack , Zoology Major Advisors: Jon P. Costanzo and Richard E. Lee, Department of Zoology <i>The Role of Skin Lipid Concentration in Resisting Inoculative Freezing in the Hatchling Painted Turtle, <i>Chrysemys Picta</i></i> | 137 | A | Meredith A. Seurkamp , Marketing and Finance Major Advisor: Timothy B. Greenlee, Department of Marketing <i>NASCAR Sponsorship: Who is the Real Winner?: A Proposal for an Event Study</i> |
| 134 | B | Nancy M. Benight , Zoology Major Advisor: David J. Berg, Department of Zoology <i>Genetic Diversity of the Freshwater Mussel <i>Quadrula Pustulosa</i></i> | 138 | B | Katherine A. Bibish , History and Political Science Major Adam M. Jungdahl , Political Science Major Stephen P. Solomon , Diplomacy and Foreign Affairs Major Advisor: Karen L. Dawisha, Department of Political Science <i>Gorbachev Redefined: A Comparative Look at the Soviet Politburo, Policies of Non-Intervention, and Crises in Eastern Europe</i> |
| 135 | A | Amanda E. Rhoades , Clinical Laboratory Science and Chemical Technology Major Advisor: Susan S. Marine, Department of Chemistry and Biochemistry <i>Triphasic Bromination of Alcohols</i> | 139 | A | Lauren N. Allen , Geology and Environmental Science Major Advisor: Jonathan Levy, Department of Geology <i>Creating a Large-Scale Laboratory Aquifer for the Testing of New Methods to Measure the Hydraulic Conductivity of Riverbeds</i> |
| | | | 140 | B | Ginger P. Stanley , Zoology Major Advisors: William C. McGrew and Scott A. Suarez, Department of Zoology <i>Just Browsing: Preparing Ex-Lab Chimpanzees for Forest Life</i> |

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| Poster Number | Session | Presenter | Poster Number | Session | Presenter |
|---------------|---------|---|---------------|---------|--|
| 141 | A | Camille R. Szuch , Psychology Major Advisor: Amanda B. Diekman, Department of Psychology <i>Gender Differences in Eating Disorders, Body Image, & Muscle Dysphoria</i> | 147 | A | James J. Doolittle , Psychology Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>Up in Smoke: The Relationship Between Health Behaviors</i> |
| 142 | B | Jason J. Madachy , Zoology Major Advisor: Ann L. Ryptra, Department of Zoology <i>The Effects of Habitat Complexity, Autotomy, and Predator Cues on Foraging Success in Pardosa Milvina</i> | 148 | B | Christopher J. Shoemaker , Microbiology Major Advisor: Luis A. Actis, Department of Microbiology <i>Iron Acquisition Gene Functionality in Actinobacillus actinomycetemcomitans</i> |
| 143 | A | Melanie D. Philpot , Anthropology Major Advisor: Ronald H. Spielbauer, Department of Anthropology <i>The Circus, A Favorite American Pastime</i> | 149 | A | Kelina Basnyat , Gerontology Major Advisor: Jennifer M. Kinney, Department of Sociology and Gerontology <i>Predictors of Quality of Life Among Women in Nepal</i> |
| 144 | B | Erin E. Bybee , Psychology Major Advisor: Terri Messman-Moore, Department of Psychology <i>Identity as an Explanatory Factor of Maladaptive Childhood Experiences and Bulimic Behaviors in College Women</i> | 150 | B | Matthew J. Kovach , Zoology and Environmental Science Major Advisor: Maria J. Gonzalez, Department of Zoology <i>Dose Curve Responses of Daphnia with Different Reproductive Strategies</i> |
| 145 | A | Kaitlyn A. Kurtz , Marketing Major Advisor: Arpana Sircar, Department of History <i>Beyond Red Power; An Insight on the Roles of Native American Women</i> | 151 | A | Amy E. Locaputo , Speech Pathology and Audiology Major Advisors: Kathleen M. Hutchinson, Department of Zoology, and Helaine Alessio, Department of Physical Education, Health, and Sport Studies <i>Cardiovascular Fitness and Hearing Acuity</i> |
| 146 | B | Melissa R. Borkon , Psychology Major Advisors: Sian L. Beilock and Marci S. DeCaro, Department of Psychology <i>Stereotype Threat and Women in Test Taking</i> | | | |

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| Poster Number | Session | Presenter | Poster Number | Session | Presenter |
|---------------|---------|---|---------------|---------|--|
| 152 | B | John S. Weilnau , Psychology and Russian Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>Deducing Dishonesty from Dress: The Black Clothing Stereotype</i> | 157 | A | Jonathan D. Cheek , Zoology Major Advisor: Ann L. Rypstra, Department of Zoology <i>The Effects of Productivity on the Wolf Spider Community</i> |
| 153 | A | Amita A. Desai , Zoology and Spanish Major Advisor: Joyce J. Fernandes, Department of Zoology <i>Role of the Intracellular Signaling Molecule, Rac, During Proliferation of Myblasts in Drosophila</i> | 158 | B | Elizabeth A. Peterson , Zoology Major Advisor: Phyllis A. Callahan, Department of Zoology <i>Role of Orphanin FQ/Nociceptin in Maternal Behavior and Offspring Survival</i> |
| 154 | B | Katherine A. Beavis , Psychology Major Advisor: Rose Marie Ward, Department of Physical Education, Health, and Sport Studies <i>Piety and Sobriety: The Relationship between Spirituality and Alcohol Use</i> | 159 | A | Erin M. Ritchie , Mechanical Engineering and Computer Science Major Advisor: Jeong-Hoi Koo, Department of Mechanical and Manufacturing Engineering <i>Vibration Energy Harvesting Using Electromagnetic Induction Systems</i> |
| 155 | A | Jessica M. Kluener , Speech Pathology and Audiology Major Advisor: Fofi Constantinidou, Department of Speech Pathology and Audiology <i>The Changes in Cognitive Abilities of Normal Adults Who Receive Systematic Categorization Training</i> | 160 | B | Ellen S. Petrick , Psychology and Spanish Major Advisor: Cecilia M. Shore, Department of Psychology <i>A Child's Understanding of Emotion Metaphor</i> |
| 156 | B | Grant W. Reed , Zoology and Economics Major Nicole Z. Petrocuk , Zoology Major Advisors: David F. Wilson and Travis J. Nickels, Department of Zoology <i>Regulation of Transmitter Release at the Mammalian Neuromuscular Junction</i> | | | |