RECIPIENTS OF $6,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Carol Michelle Bitzinger, English, Authorial Agency in Slave Narratives, Professor Elizabeth Hewitt

Robert John Burkhart IV, Biology, Testing the Utility of Stable Isotopes for Analyzing Bee Foraging across Habitats, Professor Karen Goodell

Anna Cristina Fakler, History and Psychology, Contraception in Practice: The Use of Contraceptive Devices in the Early-Twentieth Century, Professor Birgitte Soland

Michelle C. Hablitzel, Geography and Globalization Studies, Gentrification in Over the Rhine: A Targeted Removal of Social Service Providers, Professor Mathew Coleman

RECIPIENTS OF $5,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS


Zi Xun Kua, Evolution and Ecology, Temperature Effects on the Behavior of the Lake Tanganyika Cichlid, Julidochromis ornatus, Professor Stuart A. Ludsin

Elsa Dorothea Saelens, Earth Sciences, Stable Isotopic Composition Variation in McMurdo Dry Valleys, Antarctica, Professor William Berry Lyons

Jackson D. Schumacher, Neuroscience, Changes in Cortical Kynurenic Acid Mediate Glutamate Release in the Nucleus Accumbens, Professor John P. Bruno

RECIPIENTS OF $4,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

John J. Conlon, Economics and Philosophy, Beliefs, Information, and the College Major Decision, Professor Lucas Coffman


Shannon Potok Fillingim, International Studies and Chinese, A Gendered Lens in Political Discussion, Professor Sarah Brooks

Nathaniel James Henry, Geographic Information Science and Geography, Modeling Boko Haram’s Social and Ecological Impacts on the Waza Logone Floodplain in Northern Cameroon, Professor Mark Moritz
RECIPIENTS OF $3,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Matthias Claus Heinz, Physics, Exploration of Alternate Similarity Renormalization Group Generators in a 1-Dimensional Setting, Professor Richard Furnstahl

Mara Catherine Nickel, Molecular Genetics, Eomesodermin: Novel Regulator of Osteoclast Differentiation, Professor Sudarshana M. Sharma

Calvin Andrew Rhoads, Microbiology, Er-23 Structure and Stabilization in E. coli, Professor Thomas J. Magliery

Kieran Tebben, Microbiology, Defining Atg4 within Plasmodium falciparum Parasites, Professor Mark Drew

RECIPIENTS OF $2,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Wesley R. Barnhart, Psychology, Reward Processing and Risky Decision Making in Self-Reported Disordered Eating, Professor Melissa T. Buelow

Pallavi Chandna, Molecular Genetics, Intra-nuclear Clusters of the Gene Regulator Ga180: A Possible Novel Gene Repression Mechanism, Professor James E. Hopper

Emma Isabel Ford, Chemistry and Neuroscience, Synthesis of Self-Assembling, Adaptive, Light-Responsive Peptide Nanostructures, Professor Jon Parquette

Hongjia Ge, Sociology and Mathematics, Money, Debts, and Friends: Explaining Downward Mobility Outcomes in the Great Recession and its Aftermath, Professor Steven H. Lopez

Samuel Henry, Neuroscience, Aging, Health, and Spirituality in Okinawa Prefecture, Professor Douglas E. Crews

Izabela Ana Jamsek, Speech and Hearing Science, Susceptibility to Cisplatin-Induced Hearing Loss in CHOP Knockout Mice, Professor Eric Bielefeld

Michael Gregory Sneddon, Psychology, Differentiating Generalized Anxiety Disorder from Major Depressive Disorder by Examining Reward Sensitivity in a Laboratory Setting, Professor Amelia Aldao

Stavros George Stefanopoulos, Microbiology, Effects of Mixing Techniques on Glass-Ionomer Cements, Professor Scott Schricker

Adam Joseph Wheeler, Physics, Probing the Nature of Cosmic Expansion: Simulating Aligned Galaxies to Tune Weak Lensing Measurements, Professor Klaus Honscheid

RECIPIENTS OF $1,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Pablo Alarcon Cabrera, Microbiology, Topical Treatment of Cutaneous Leishmaniasis by Nanoliposomal Amphotericin-B, Professor Abhay Satoskar
Danielle Francine Blackfield, Psychology, Psychological Impact of Concussions, Professor Stephen A. Petrill

Davesh Nitinkumar Chauhan, Biochemistry, Developing Culture Conditions for Corn Embryos, Professor Ana Paula Alonso

Nicole Marie Cotton, English and Psychology, Sunrise to Sunset: The Relationship between Reproductive and Longevity Technologies in Science Fiction and Medicine, Professor Stephanie Brown

Alissa Caitlin Cullen, Molecular Genetics, Reverse Genetics Screen of Argonaute 6 Interacting Proteins for Involvement in RDR6-RdDM, Professor R. Keith Slotkin

Jill Marie Deatherage, Speech and Hearing Science, Socio-indexical and Stylistic Variation in Children’s Vowel Production, Professor Robert Allen Fox

Dylan D. Fortman, Biochemistry and Microbiology, Genetic and Biochemical Analysis of Trm10 and Trm10 Homologs in S. cerevisiae, Professor Jane E. Jackman

Anh Viet Ho, Philosophy, A Thesis on Work, Professor Tamar Rudavsky

Andrew R. McInnerney, Linguistics, The Syntax of Parenthetical Topics in English, Professors Peter W. Culicover and Robert Levine

Sara Rose Metcalf, Molecular Genetics, Novel Role of aaRS in tRNA Biology in S. cerevisiae, Professor Anita K. Hopper

Kui Pan, Chemistry, CO₂ Capture and Release: Closing the Catalytic Cycle, Professor David A. Nagib

Erin Marie Ponting, Molecular Genetics, Improving the Biosynthetic Pathway of Hydroxy Fatty Acids in Physaria fendleri, Professor Ana Paula Alonso

Myra Shehzad Saeed, Psychology and Communication, Attitude Accessibility: Consequences for Decision Making and Attitude Change, Professor Duane T. Wegener

Yilu Sun, Communication and Economics, A Quantum Model of the Effects of Information Presentation Order on Perceived Risks, Professor Zheng Joyce Wang

Grace Anne Ward, Biology, The Increased Sensitivity in Glioblastoma Cell Lines to Radiation through the Chemotherapeutic Inhibition of Lipid Droplet Formation, Professor Deliang Guo

Katrina Rose Wireman, Psychology, Mothers’ Sophisticated Vocabulary and Children’s Language Growth: Two Approaches, Professor Virginia Tompkins

RECIPIENTS OF $1,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Anthony Nicholas Alfredo, Neuroscience, Contribution of Liver Inflammation to Outcomes Following Traumatic Spinal Cord Injury, Professor Dana McTigue
Anthony Nicolas Ciavarella, Physics and Mathematics, *Study of Top Pair Decay at 8 TeV*, Professor Harris Kagan

Kyrstin Brooke Cramer, Biochemistry, *Optimizing the Parameters of Metabolomic Profiling with Gas Chromatography Mass Spectrometry*, Professor Ana Paula Alonso

David Danesh, Microbiology, *Assessing the Tobacco Use and Sugar-Sweetened Beverage Consumption Intervention Practices of Ohio State College of Dentistry Alumni*, Professor Amy Ferketich

Aaron P. Flick, Chemistry, *Synthesis of Polymer Resin Adhesives for Dental Applications*, Professor Jon Parquette

Marissa Cecilia Granitto, Neuroscience, *The Role of Blimp-1 in Regulating Encephalitogenic T Cells in CNS Autoimmunity*, Professor Yuhong Yang

Anuvrat Ranjan Jha, Economics and Microbiology, *An Econometric Study Evaluating the Role of “Office of Patient Experience” on Clinical and Experiential Outcomes in U.S. Hospitals*, Professor Aravind Chandrasekaran

Gabriella Rose Kratzer, Zoology, *Biochemical Impacts of the Coffee Berry Borer (Hypothenemus hampei) on Coffee Beans*, Professor Ana Paula Alonso

Ellen Marie Moretti, Microbiology, *Overexpression of CXCR3 on T Cells Alters Leukocyte Trafficking but Does Not Affect the Outcome of visceral leishmaniasis*, Professor Abhay R. Satoskar

Maya Vasant Prabhu, Neuroscience, *Effects of TBI on Binge Alcohol Withdrawal*, Professor Zachary M. Weil

Tia Tasfiah Rahman, Psychology, *Do Individual Differences in Resting Heart Rate Variability Predict Affective Misattribution?*, Professor Julian F. Thayer

Katherine Moira Anne Ratino, Speech and Hearing Science, *Object Engagement, Word Learning, and Lexical Organization in Children with Autism*, Professor Allison Bean Ellawadi

Youn Ju Shin, Neuroscience, *The Ontogeny of Early Life Ethanol Exposure and the Ability of Different Ibuprofen Treatment Windows to Ameliorate Cognitive Deficits*, Professor Derick H. Lindquist


**RECIPIENTS OF $500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Alessandro Brunetti, Psychology, The Synthesis of Photoresponsive Nanostructures for Materials Development, Professor Jon Parquette

Wesley Allen Hamilton, Mathematics, Monodromy and Global Action-Angle Coordinates, Professor Ulrich Gerlach

Alexandria Rose LaSalla, Chemistry, The Design of Peptide-Chromophore Molecules to Create Nanostructured Redox Gradients, Professor Jon Parquette

Khalid Moalim, Communication, Creative Research Activity – Film, about a Young Somalian Man in American, Professor Janet Parrott

Zane Tanner Smith, Speech and Hearing Science and Spanish, Perception of Indexical Features in Low-Pass Filtered Speech, Professors Robert Allen Fox and Ewa Jacewicz

Abigail E. Whiting, Molecular Genetics, Is There a Correlation between Genotype and Phenotype in Familial Dilated Cardiomyopathy?, Professors Ray Hershberger and Ana Morales Reyes

Eric Michael Yatskowitz, Neuroscience, A Parametric Investigation of the Representation Radius in the Neural Engineering Framework for Computational Cognitive Neuroscience, Professor Alexander A. Petrov


Note: Arts and Sciences faculty who served on the Research Scholarship Subcommittee of the Arts and Sciences Honors Committee included Professors Bryan Carstens (Evolution, Ecology, and Organismal Biology), Danielle Marx-Scouras (French and Italian), Jennifer Mitzen (Political Science), and Laura Wagner (Psychology).