RECIPIENTS OF $6,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Jacob Philip Bogart, Globalization Studies, Help or Detriment? The Role of Non-governmental Organizations in Post-earthquake Haiti, Professor Nina Berman

Samuel Nathan Dubin, Neuroscience, Characterizing the Immune Responses to Oncolytic Virus Therapy in Breast Cancer Brain Metastases, Professor Balveen Kaur

Mariam Ayesha Hussain, Psychology and Neuroscience, Mindfulness Disposition: A Moderating Factor between Stress, Working Memory, and Cognitive Control in the Elderly, Professor Ruchika Shaurya Prakash

Amanda Renee Kaczmarek, Neuroscience and Philosophy, Morality and Spatial Frequency, Professor Dirk Bernhardt-Walther

Alisha Abhay Lad, Molecular Genetics, Investigating the Function of the NIMA Kinase at the Growing Ends of Microtubules and in Cell Growth, Professor Stephen A. Osmani

Adam Joseph Royer, Linguistics, Effects of Speaking Style and Regional Dialect on Word-Final Obstruent Devoicing, Professor Cynthia G. Clopper

Yizhou Wu, Microbiology, Protection of Iron-Induced Damage of Blood Vessels through Endothelial Cytoskeletal Dysfunction—Screening of a New and Effective Chelator Drug for Sickle Cell Disease Iron Overload, Professor Narasimham Parinandi

RECIPIENTS OF $5,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Timothy Joseph Adams, Geography, Razing Residences and Removing Residents: A Study of the Mentalities of Public Housing Redevelopment in Poindexter Village, Professor Nancy Ettlinger

Emily Kate Dickerhoof, Biology, Hypoxia Response Mechanisms of the Fungal Pathogen Histoplasma capsulatum, Professor Chad Rappleye

Wilson Lo, Biochemistry, Characterization of Cardiosphere-Derived Stem Cell Survival in Injectable, Thermosensitive Hydrogels under Hypoxic Conditions, Professor Jianjun Guan

Alexandra Michelle Mayorga, Political Science, Migration in the Era of Retrenchment: How Rising Ethnic Diversity Shapes Attitudes toward the Welfare State in Denmark, Professor Sarah M. Brooks

Kyra Regina Pazan, Anthropology, Subsistence, Settlement, and Social Stratification on the Great Hungarian Plain during the Transition to the Copper Age, Professor Richard W. Yerkes
RECIPIENTS OF $5,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Saul W. Fredrickson, Biochemistry and Microbiology, Kinetic Analysis of Abasic Lesion Bypass Catalyzed by Human DNA Polymerase Beta, Professor Zucai Suo

Scott Andrew Hinger, Microbiology, Endonuclease in T. brucei: Localization of Sen. 2 and the Discussion of Sen. 34, Professor Juan D. Alfonzo

Jenna Marie Patterson, Biology, The Role of the Spleen in Re-establishment of Macrophage Trafficking to the Brain and Anxiety in Stress-Sensitized Mice, Professor Jonathon P. Godbout

Seth L. Teplitsky, Biology, Mechanistic Basis for Improving Collateral Blood Flow during Ischemic Stroke, Professor Cameron Rink

Andrew Siemer Trimmer, Theatre, An Actor’s Experience with Shakespeare and Autism, Professor Joy Reilly

RECIPIENTS OF $4,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Michael A. De Matto, Linguistics, Seeking Universality: Examining Cross-Linguistic Processing of Word Structure, Professor Andrea D. Sims

Ryan Theodore Harrison, Speech and Hearing Science (Minor), Using Cochlear Pre-conditioning to Reduce Cisplatin Ototoxicity, Professor Eric Bielefeld

Naima Jama Hashi, Neuroscience, How Serum Response Factor (SRF) Affects Axonal Regeneration in the Central and Peripheral Nervous System, Professor Jessica K. Lerch

Taylor C. Kantor, Biology, A Novel Method for the Identification and Analysis of Stem and Progenitor Cells in the Blood, Professor Nicanor I. Moldovan

Cristina Maria Ortiz, Biology, Directed Differentiation by Nanochannel Electroporation, Professor José Javier Otero

RECIPIENTS OF $4,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Maxwell J. Bucher, Geography, Policing the Urban Environment: Space, Power, and Gentrification in Over-the-Rhine, Cincinnati, Professor Mathew Coleman

Jason Elliot Ford, Chemistry, Effects of Deuteration on CH₃⁺: Application of Diffusion Monte Carlo Techniques, Professor Anne B. McCoy

Dmitry Olegovich Grinevich, Biochemistry, Inhibition of Formin-Induced Actin Polymerization by the ACD-Crosslinked Oligomers: Actin is Recruited by V. cholerae to Hijack the Innate Immunity, Professor Dmitri Kudryashov
Alyssa Meredith Sherry, Chemistry, *First Principles Study of CO₂ Reduction on Cu/M Bimetallic Surfaces*, Professor Anne Co

**RECIPIENTS OF $3,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**


Meghan Ashley Joyce, Speech and Hearing Science, *Protection from Cisplatin Ototoxicity with a Novel Src Inhibitor*, Professor Eric Bielefeld

Monika E. Wani, Psychology, *Examining Neural Correlates of Emotional Regulation and Mindfulness Disposition in Older Adults: an fMRI Study*, Professor Ruchika Shaurya Prakash

**RECIPIENTS OF $3,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Bornali Rashmi Borah, Microbiology, *Synthesis of a Tethered Cationic Lipoplex Nanoparticle Biochip for the Early Detection of Liver Cancer Biomarkers*, Professor L. James Lee

Qianhui Shao, Molecular Genetics, *MiR-200c Mediates Human Breast Cancer Cell Motility through Endonuclease PMR1*, Professor Daniel R. Schoenberg

James Christian Stock, Microbiology, *A Study of the Effects of Transgenic Expression of CXCR3 during the Immune Response to Leishmania major Infection*, Professor Abhay Satoskar

Katherine Elisabeth Wehde, Chemistry, *An Investigation of Extracting Gold in an Environmentally Responsible Manner*, Professor, Justin Clay Harris

**RECIPIENTS OF $2,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Petra Maria Creamer, Anthropology, *A Comparative Study of Resinous Artifacts in the Ancient Near East*, Professor Joy McCorriston

Jacob Andrew Harrington, Earth Sciences, *Trace Metal and Geochemical Analysis of the Utica Shale*, Professor David R. Cole

Colwyn Ansel Headley, Microbiology, *Nitrones Cellular Cytoprotectivity against Chemotherapeutic Cytotoxicity*, Professor Frederick Villamena

Samrya A. Ismail, Geological Sciences, *Unconventional Resource: Natural Gas Hydrate Potential in the Gulf of Mexico*, Professor Ann Cook
Rebecca G. Monteleone, Personalized Study Program (Disability in the Social Context), The Development, Implementation, and Analysis of a Health Education Curriculum for Young Adults with Intellectual and Developmental Disabilities, Professor Amy Shuman

Devin Mary Ray, Chemistry, Urea Activation of Nitrilmines: An Organocatalytic Approach to Carbon-Carbon Bond Forming Reactions, Professor Anita Mattson

RECIPIENTS OF $750 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Jenna Gaudio, Microbiology, Saliva as an Indicator of Early Rampant Childhood Caries (ECC), Professor Tanya Mathew

Eric Daniel Weber, Microbiology, Elucidating Mechanisms Used by a Pore-Forming Toxin to Remodel the Host Cell Actin Cytoskeleton, Professor Stéphanie Seveau

RECIPIENTS OF $500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Emily Rose Brown, Speech and Hearing Science, Effect of Dichotic Listening and Speech-in-Noise on State Anxiety among Older Adults, Professor Christina M. Roup

Chia-Chen Chuang, Biology, Bioprospecting Endophytes for Novel Cellulases to Aid Biofuel Production, Professor Venkat Gopalan

John Jacquot Conlon, Economics, Labor Market Frictions and Investments in Human Capital, Professor Paul J. Healy

Note: Arts and Sciences faculty who served on the Research Scholarship Subcommittee of the Arts and Sciences Honors Committee included Professors Daniel Reff (Comparative Studies), Warren Sinnott (Mathematics), Donald Terndrup (Astronomy), Olli Tuovinen (Microbiology), and Richard Yerkes (Anthropology).