RECIPIENTS OF $6,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Alexis M. Crockett, Psychology and Neuroscience, The Effects of Prozac on Chronic Neuroinflammation and Spatial Memory: A Novel Approach to the Macrophage Theory of Depression, Professor Gary L. Wenk

Courtney Leigh DeRoche, International Studies, Searching for a Just Peace in Darfur: Exposure to Violence and Reconciliation, Professor Hollie Nyseth Brehm

Rachel Dowrey Dicken, Chemistry, Synthesis of Pyridine and Pyridinium Quinone Methide Precursors: Studies towards the Realkylation of Aged Acetylcholinesterase, Professor Christopher Callam

Shirley May Dong, Neuroscience, Oxytocin in the Medial Prefrontal Cortex and Its Effects on the HPA Axis, Professor Benedetta Leuner

Nathaniel J. Henry, Geographic Information Science, Creating Immersive Digital Landscapes with Photogrammetry, Professor Ola Ahlqvist

Akina Ikudo, Economics, Experimental Approach to Effective Implementation of Non-compete Agreements, Professors Kurt Lavetti and Katherine Coffman

Harrison Joseph Kaufman, Molecular Genetics, Characterization of the Essential Role of Histone Acetyl Transferase 1 during Early Lung Organogenesis, Professor Mark Parthun

Jenna Marie Patterson, Biology, Peripheral Innate Immune Challenge Elicits Immunological and Behavioral Responses in Stress-Sensitized Mice, Professor Jonathan P. Godbout

Domenic Joseph Termine, Biochemistry, Structural Determination and Biochemical Analysis of Cadherin-23 Repeats Essential to Hearing, Professor Marcos Sotomayor

Henry Khoa Tran, Chemistry and Mathematics, Understanding the Spectrum of the $A^1E'' \rightarrow X^2A'_2$ Electronic Transition of NO3 – an Important Intermediate in the Chemistry of Atmospheric Pollution, Professor Terry A. Miller

Paige Jillian Trojanowski, Neuroscience, Age-Related Impairments in the Dynamic Regulation of Microglia by Astrocytes: Relevance to Depression, Professor Jonathan P. Godbout

RECIPIENTS OF $5,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

James Riley DeBacker, Speech and Hearing Science, Long-Term Effects of the Synergistic Interaction of Cisplatin and Noise, Professor Eric Bielefeld
Sarah Noel Mabie, Speech and Hearing Science, Individual Differences in Children’s Perception of Foreign-Accented Speech: The Role of Temperament, Professor Rachael Frush Holt

RECIPENTS OF $4,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Clayton Bruce Casper, Chemistry, Surface Potential Measurements of Aqueous Solutions, Professor Heather C. Allen

Autumn Nicole Gray, Biology, The Prevalence of Periodontal Disease among Children and Adolescents: Biological and Social Indicators, Professor Binnaz Leblebicioglu and Dr. Zeynep Benderlioglu

Jacqueline Marie Grible, Molecular Genetics, Screening of Water Samples from the Site of a Bacterial Disease Outbreak for the Presence of Amebic Hosts and Legionella sp. Bacteria, Professor Gregory C. Booton

Zachary David Hartman, Astronomy, Putting Dwarf M Stars in sdB+dM Binaries into Stellar Models, Professor Donald Terndrup

Angela S. Hill, Speech and Hearing Science, Individual Differences in Children’s Perception of Foreign-Accented Speech: The Role of Executive Function, Professor Rachael Frush Holt

Annie J. Kayser, Economics, The Effect of the Economy on Slot Machine: Table Game Ratios, Dr. Todd M. Nesbit

Makenzie Rae Laase, Speech and Hearing Science, Vowel Production by Children with Williams Syndrome, Professor Robert A. Fox

Jacob Karl Luhn, Astronomy and Physics, Detecting Circumbinary Planets in Triple-Lens Microlensing Events: Fitting Triple-Lens Events with Double-Lens Fits, Professor Bernard Scott Gaudi

Serena Nayee, Microbiology, The Effects of Differing Soil Types on the Viability of Foot-and-Mouth Disease A24 over Time, Professor Rebecca Garabed

Spencer R. Palombit, Evolution, Ecology, and Organismal Biology, Effect of Annually Recurring Bleaching Stress on the Lipid Class Composition of the Caribbean Coral Species Orbicella faveolata, Professor Andréa G. Grottoli

Christine Erika Prechtel, Linguistics, Uptalk in the Midwest: A Cross-Dialectal Comparison, Professor Cynthia G. Clopper

Jordan L. Vasko, Speech and Hearing Science, Further Development of a Speech and Noise Separation Algorithm, Professor Eric W. Healy

RECIPENTS OF $3,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Casey Elizabeth Berger, Physics, Ground-State Energy of Interacting Fermions in a Trapping Potential: A New Approach, Professor Richard Furnstahl
John J. Conlon, Economics, De-biasing Beliefs to Improve Educational Decisions, Professor Lucas Coffman

Erin Emily Luthern, Linguistics, Differential Glottalization in Clear and Plain Speech, Professor Cynthia G. Clopper

Shannon Marie Melvin, Linguistics, Creaky Voice, Fundamental Frequency, and Gender, Professor Cynthia G. Clopper

Jennifer Patritti Cram, Molecular Genetics, Evolution of Cell Signaling Networks: A Study of the EGF Signaling Pathway in C. briggsae for Comparison to C. elegans, Professor Helen M. Chamberlin

Christopher Sean Peter Rourke, Linguistics, Individual Differences in Japanese Stop and Fricative Length: The Relationship between Production and Perception, Professor Mary E. Beckman

Richard James Smith, Psychology, Sex, Fear & Disgust: Attentional Biases toward Emotional Words, Professor Fabio Leite

Katherine Elisabeth Wehde, Chemistry, The Quantification of Drug Gabapentin and Bexarotene in Tissue Samples by HPLC-ESI-TOF-MS, Professor Noel M. Paul

RECIPIENTS OF $2,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Luke Franklin Fesko, Economics, What has been the Impact of the Introduction of Mobile Money Programs, such as M-PESA, on Savings Rates in Kenya?, Professors Lucas Coffman and Bruce Weinberg

Peter Josh Hamer, Neuroscience, Deep Brain Stimulation for Parkinson’s Disease: Predicting Long-Term Motor Outcomes, Professor Per B. Sederberg

Anuvrat Ranjan Jha, Microbiology, Connecting the Signatures: Associations between Small Molecules and microRNA in Malignant Melanoma, Professor Philip R.O Payne

Mark Andrew Lampert, Microbiology, Regulation of Autophagy by DNA methyltransferases in Idiopathic Pulmonary Fibrosis, Professor Tim Eubank

Maryknoll Mawanay Palisoc, Biochemistry and Molecular Genetics, Role of Slit2 in Breast Cancer Myofibroblast Differentiation, Professor Ramesh K. Ganju

Samantha N. Pawela, Biology, Effect of Nucleotide State of Actin on Binding to Human Plastins, Professor Dmitri Kudryashov

Julie Marie Poyar, Speech and Hearing Science, The Efficacy of Using Filtered Dichotic Words to Detect Subtle Auditory Processing Issues in Young Adults, Professor Christina M. Roup

Casey Morrisroe Saup, Geological Sciences, Physiological and Isotopic Responses of the Coral Stylophora pistillata to Future Coastal Ocean Conditions, Professor Andréa G. Grottoli
Kelly Blane Scarberry, Neuroscience (research in Molecular Genetics), Metabolic Engineering of Lignin in Maize, Professor Erich Grotewold

Qianhui Shao, Molecular Genetics, Molecular Mechanisms of Dietary Compounds in Leukemia and their Role in RNA-splicing, Professor Andrea I. Doseff

RECIPIENTS OF $1,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Anthony David Bernardi, Psychology and Neuroscience, Pain Catastrophizing and Heart Rate Variability, Dr. Julian Koenig and Professor Julian Thayer

Travis Glenn Blanton, Biology, Studies of Quinone Methide Precursors for Potential Realkylation of Aged Acetylcholinesterase, Professor Ryan J. Yoder

John Wence Cerne, Biology, A Biomechanical Analysis of the Fastest Way to Steal a Base in Baseball, Professor James Onate

Stephen Paul Coss, Earth Sciences, Using Satellite Altimetry to Calculate Hydraulic Storage Change of the Makenzie River for Estimating Snow Melt Timing, Professor Michael Durand

Christopher John Cowley, Neuroscience, Optimization of Adeno-Associated Viral Mediated Postnatal Gene Delivery to Enteric Glia, Professor Kevin Foust

Nicholas Andrew Hager, Microbiology and Biology, Leishmania-Specific tRNA Identity Elements Used to Exploit Potential Drug Candidates against Leishmaniasis, Professor Michael Ibba

Naima Jama Hashi, Neuroscience, Investigating Non-coding RNA Regulation Underlying Neuropathic Pain Development, Professor Jessica K. Lerch

Christine Alysha Kay, Psychology, PDP Models and Quasiregularity: Do Human Results Match Model Predictions?, Professor Mark Pitt

Liana M. Martinez, Speech and Hearing Science and Spanish, Understanding Pragmatic Language Development: Comparing Adults and Children, Professor John Grinstead

Emily Marie Selio, Speech and Hearing Science and Spanish minor, Analyzing Semantic-Pragmatic Processing of Scalar Implicatures in Typically-Developing Children, Professor John Grinstead

James Christian Stock, Microbiology, An Analysis of MIF Production in the Context of Cutaneous Leishmaniasis, Professor Abhay Satoskar

Note: Arts and Sciences faculty who served on the Research Scholarship Subcommittee of the Arts and Sciences Honors Committee included Professors Anna Grotans (Germanic Languages and Literatures), Wendy Panero (Earth Sciences), Daniel Reff (Comparative Studies), Olli Tuovinen (Microbiology), and Laura Wagner (Psychology).