RECIPIENTS OF $6,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Isabella B. DeSpirito, Spanish and International Studies, *Chicana Punk Rockers: Creating a New Transnational Identity*, Professor Theresa Delgadillo

Jordan Robert Henry, History, *“We Europeans”: Signal Magazine and Political Collaboration in German-Occupied Europe, 1940-1945*, Professor Alice L. Conklin

Scott David Hull, Earth Sciences, *The Potential for Plate Tectonics about Sun-like Stars as Controlled by Composition*, Professor Wendy Panero

Cory Thomas Roeth, Chemistry, *Using Affinity Chromatography and Mass Spectrometry to Discover Diagnostic Protein Biomarkers of Invasive Aspergillosis*, Professor Vicki Wysocki

RECIPIENTS OF $5,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Anna Marie Javins, Speech and Hearing Science, *The Impact of Hearing Loss on Situational Awareness, Cognitive Workload, and Driving Behavior*, Janet M. Weisenberger

Iris (Min) Liu, Psychology, *Self-Compassionate Introspection in an Interpersonal Context*, Professor Jennifer Crocker


RECIPIENTS OF $4,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Robert Alan Mason, Earth Sciences, *A Tsunami under the Ocean: A Seafloor Brine Lake Impacted by Underwater Landslides*, Professor Derek Sawyer

Nicholas James Musgrave, Biology and Neuroscience, *VWF Inhibition: A Novel Strategy for Stroke Therapy*, Professor Shahid Nimjee


Bethany Elise Toma, Linguistics, *Analysis of the Syntax, Semantics, and Pragmatics of Right Dislocation in British English*, Professor Judith Tonhauser
Manuel Andres Torres, Molecular Genetics, *E2F-Mediated Regulation of Ccna2 and its Role in Spermatogenesis*, Professor Gustavo Leone

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

Kristen Lorraine Dammeyer, Chemistry, *The Role of Cytoglobin in Endothelial Cell and Smooth Muscle Cell Interactions: Consequences in Vascular Function*, Professor Brenda J. Lilly

Reuben F. Don, Neuroscience, *Effects of Perinatal Nicotine Exposure on Sleep and Affective Phenotypes in Adulthood*, Professor Randy J. Nelson


Joshua-Paolo Calibag Reyes, Biochemistry, *Positive and Negative Regulatory Elements in the HIV-1 5’UTR Control Specific Recognition by Gag*, Professor Karin Musier-Forsyth

Austin James Schoeffler, Neuroscience, *Self-Organization and Organogenetic Program during the Neurosphere Life Cycle: Implications for Regenerative Potential of Neural Stem Cells*, Professor Jaime Imitola

Brittany Bac-An Trang, Chemistry, *An Indium Tin Oxide-Compatible Organic Dye for p-Type Dye-Sensitized Solar Cells*, Professor Yiying Wu

Gefei Wang, Biochemistry, *Comparison between Denture Base Materials Processed by the Traditional and a Two-Cycle Method*, Professor Scott Schricker

**RECIPIENTS OF $2,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**


Jessica Nicole LaHote, Psychology and French, *Psychotherapy à la française: The Status of Psychoanalysis in Contemporary France as Compared to the United States*, Professor Jennifer Willging

Alayna C. Rowell, Speech and Hearing Science, *Effects of Exposure to Aggressive Bumper Stickers on Driving Behavior*, Professor Janet M. Weisenberger

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

Alison Marie Baker, Speech and Hearing Science, *An Investigation of the Relationship between Visual Memory and Language Development in Children with ASD*, Professor Allison Bean Ellawadi

Adam Nicolas Bercz, Microbiology, *Impact of ATII Cell Infection Status on Expression of miR-155 Target Genes in vivo*, Professor Ian C. Davis
Danielle Francine Blackfield, Psychology, *Psychological Impact of Concussion*, Professor Stephen Petrill

Jenna Nicole DeCarlo, Speech and Hearing Science, *Predictors of Augmentative and Alternative Communication in AAC Users with Developmental Disabilities*, Professor Allison Bean Ellawadi

Thomas Graig Graham, Political Science, *The Effect of Changing Local Government Structures on Voter Turnout*, Professor Vladimir Kogan

Hannah Noelle Kleman, Sociology, *Graduation in an Era of Uncertainty: Student Loan Repayment Success Following the Great Recession*, Professor Rachel Dwyer

Nicolette Leon, Spanish, *Knowledge of Prepositions in Spanish-Speaking Children with SLI*, Professor John Grinstead

Daniel Missell, Economics and Sociology, *The Next Frontier for Complimentary Currencies*, Professor Andrew Martin

Alyssa Jean Nelson, Linguistics, *Comparison of Vowel Acoustics in Children from the Northern and Midland Regions of the United States*, Professor Cynthia G. Clopper

Harsha Rao, Chemistry, *Synthetic Approach to Realkylation of Aged Acetylcholinesterase Using Quinone Methide Precursors*, Professor Christopher M. Hadad

Rachel Hruby Sperling, Biology, *miR 155 Deficiency Plays an Important Role in Susceptibility to Leishmania major*, Professor Abhay Satoskar

**RECIPIENTS OF $1,500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Rachel Lynn Stroup, English, *The Rhetorical Strategies of the New Woman, 1890-1920*, Professor Carolyn Skinner

Blake Christopher Williams, Biochemistry, *Effects of Toxin-produced ADP-ribosylated Actin on Actin Binding Proteins*, Professor Dmitri Kudryashov

**RECIPIENTS OF $1,000 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

David Andrew Abood, Biology, *Modulating the Function of Immune Suppressive Cells Using Natural Products Derived from Algal Blooms*, Professor William E. Carson III

Geoffrey DeWayne Green II, Neuroscience, *The Relationship between Heart Rate Variability and Music Listening Tendencies*, Professor Julian F. Thayer

Erica Jean Harvey, Zoology, *Using Plumage Reflectance to Distinguish between Greater and Lesser Prairie-Chickens in an Area of Sympatry*, Professor Jacqueline Augustine

Harry Chase Hoffman, Neuroscience, *The Role of Microglia in Gestational Stress-Induced Postpartum Depression*, Professor Benedetta Leuner
Radhika Anirudh Pandit, Microbiology, *Temporal Expression of Interleukin-1 Receptor on Endothelial Cells, CD45+ Macrophage Recruitment to the Brain, and Anxiety-Like Behavior Following Repeated Social Defeat*, Professor John F. Sheridan

Milin Dineshkumar Pandya, Neuroscience, *Axon Regeneration in the Central Nervous System: In-vivo and Ex-vivo Analysis*, Professor Yingjie Shen


**RECIPIENTS OF $500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Alanna Jane Daws, Chemistry, *Self-Assembly of 5-Fluorouracil-Peptide Nanotubes*, Professor Jon Parquette

Abigail Rose Hubacher, Biochemistry, *Exploring the Role of tRNA Modifications in Cytotoxicity of the Anti-cancer Drug 5-Fluorouracil*, Professor Jane E. Jackman


Tuan Nguyen, Biochemistry, *Towards Reconstitution of Human RNase P, a Large Catalytic Ribonucleoprotein Complex*, Professor Venkat Gopalan

Jennifer Katherine Samiec, Microbiology, *Phage Therapy: Characterization of Phages that Infect Shiga Toxin-producing E.coli*, Professor Matthew B. Sullivan

Madelyn Grace Strahan, Evolution and Ecology, *Tag Retention and Mortality in Inland Reservoir Channel Catfish*, Professor Stuart A. Ludsin

Kyra Kathleen Ungerleider, Neuroscience, *The Effect of Multiple Mild Traumatic Brain Injuries in Adolescence on Sleep in Adulthood*, Professor Zachary Weil

**Note:** Arts and Sciences faculty who served on the Research Scholarship Subcommittee of the Arts and Sciences Honors Committee included Professors Danielle Marx-Scours (French and Italian), Jennifer Mitzen (Political Science), Wendy Panero (Earth Sciences), Laura Wagner (Psychology), and Amy Youngs (Art).