

**ARTS AND SCIENCES
AUTUMN SEMESTER 2020
UNDERGRADUATE RESEARCH SCHOLARSHIP COMPETITION**

RECIPIENTS OF \$7000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Sonia Hamilton, NEUROSCIENCE, *Muscle and Nervous System Pathology in Lysosomal Acid Lipase Deficiency*, Professor Paul Martin

RECIPIENTS OF \$6750 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Shivani Bhatt, NEUROSCIENCE, *Reassessment of the *Alticola roylei* species group in Northern Pakistan through*

morphology, molecular systematics, and biogeography, Professor Ryan Norris

Boyu Gao, PHYSICS, *Comparing experimental sensitivities of Dark Matter experiments*, Professor Antonio Boveia

Diana Hallak, MOLECULAR GENETICS, *Compromised Membrane Repair in Myoblasts of GNE Myopathy Patients*, Professor Noah Weisleder

Vincent Pancini, ECONOMICS, *A Difference-in-Differences Analysis of Time Spent Seeking Healthcare for Medicaid Patients in Medicaid Expansion States*, Professor Katie Vinopal

Maria Pudoka, ASTRONOMY AND ASTROPHYSICS, *Evaluating Stellar Ages from Single-Epoch High-Resolution Spectroscopy*, Professor Donald Terndrup

RECIPIENTS OF \$6000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Aliya Ansari, MOLECULAR GENETICS, *Re-Defining Frailty and Improving Outcomes Through Prehabilitation (RIOT Trial)*, Professor Aslam Ejaz

Claire Hinterschied, MICROBIOLOGY, *PRMT5 Inhibition Drives a Pro-Apoptotic Program in Mantle Cell Lymphoma by Directly*

and Indirectly Modulating the Expression of Bcl-2 Family Proteins, Professor Robert Baiocchi

Margaret Seikel, HISTORY, *Death and Taxes: A History of New Deal Spending and Mortality from 1933-1938*, Professor Randolph Roth

Aayush Sharma, NEUROSCIENCE, *An Investigation into the Relationship between Sleep Routine Behavior and Executive Functioning*, Professor Irina Castellanos

Emma Sieftring, PSYCHOLOGY, *Benefit Finding in Late Stage Pediatric Cancer Patients and Their Parents*, Professor Cynthia Gerhardt

Anna Taylor, LINGUISTICS, *Indigenous Bilingual Road Signs: A Linguistic Study of Seneca Language Revitalization*, Professor Brian Joseph

Katie Visalli, PHILOSOPHY, POLITICS AND ECONOMICS, *Effect of Race on Use of Forbearance*, Professor Vladimir Kogan

Jaret Waters, ECONOMICS, *Refugees in Roraima: The Brazilian State's Role in the Construction of a Venezuelan*

Borderlands, Professor Kendra McSweeney

RECIPIENTS OF \$5000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Katrina Arndt, HISTORY OF ART, *History of Art and Comparative Cultural Studies*, Professor Richard Fletcher

Isaiah Bloom, BIOLOGY, *Preventative health screening for women at risk for cardiovascular disease: Targeting women 40-64 years of age.*, Professor Kevin Evans

Shan Gao, PSYCHOLOGY, *Stereotyping and Name Choice*, Professor Jennifer Crocker

Lily Loyer, ASTRONOMY AND ASTROPHYSICS, *Analyzing Unusual Stars on the Kepler Field*, Professor Marc Pinsonneault

Gabriella Matheny, MICROBIOLOGY, *The distribution of sialic acid binding proteins in Streptococcus oralis subsp. Oralis*, Professor Samantha King

Kyle Maycock, LINGUISTICS, *On the Morphosyntactic Interface: the Albanian Noun Phrase*, Professor Andrea Sims

Sarah Siddiqui, ECONOMICS, *Religious Representation and Economic Outcomes in India*, Professor Bruce Weinberg

Arian Sorani, PSYCHOLOGY, *The Moderating Effect of Maternal Gatekeeping on the Association between Fathers' Rough-and-Tumble Play and Children's Self-Regulation*, Professor Sarah Schoppe-Sullivan

RECIPIENTS OF \$4000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Alea Leganik, BIOCHEMISTRY, *The Dynamics of Linker Histone H1 Binding to Nucleosomes with Possible Facilitation*

of Histone Chaperones, Professor Michael Poirier

Jonathan Leopold, MICROBIOLOGY, *Ecology of Pseudomonas resistance*, Professor Matthew Sullivan

Toshiki Nakao, BIOCHEMISTRY, *Discovery of Phosphonate Natural Products from Bacillus velezensis by Genome Mining*, Professor Kou-San Ju

Feng Qian, PHYSICS, *Using Machine Learning to Predict Output of a Quantum Computer*, Professor Daniel Gauthier

Sabrina Sowa, SPEECH AND HEARING SCIENCE, *Some Existential Interpretations: the Role of Pitch and Duration in the English Quantity Implicature*, Professor John Grinstead

RECIPIENTS OF \$3500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Corinne Dilsavor, MOLECULAR GENETICS, *Investigating the Basis of Enhancement of Nonsense-Mediated Decay by CASC3-UPF3*

Interaction, Professor Guramrit Singh

Sishir Doddi, NEUROSCIENCE, *OH-Alive Defined Media for Osteogenic Differentiation of Bone Marrow-Derived hMSCs on Poly(propylene fumarate)*

Thin Film and 3D Printed Resorbable Scaffolds, Professor David Dean

Katherine Gromofsky, BIOCHEMISTRY, *Effects of peer mentoring on people with recently diagnosed diabetes*, Professor Elizabeth Buschur

Zhengqi Huang, PSYCHOLOGY, *A Call for Sustainable Living: Developing an Effective Zero-Waste*, Professor Brittany Shoots-Reinhard

Ian Kyle, EVOLUTION AND ECOLOGY, *Diversity of Nitrogen Fixing Bacteria in Sericomymex Amabilis Fungal Gardens*, Professor Rachelle Adams

Matthew Schuetz, MICROBIOLOGY, *Niemann-Pick Disease and the SAVER Algorithm*, Professor Igor Jouline

Violette Zhou, PSYCHOLOGY, *Collective Threat & Self-Esteem: Perception of Others*, Professor Steven Spencer

RECIPIENTS OF \$3000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Lin Cao, ECONOMICS, *Find the correlation between various negative reviews to avoid choosing the wrong seller*, Professor Paul Healy

Taylor Cash, BIOLOGY, *Using PRMT5 Inhibition to Induce Lytic Viral Protein Expression in EBV-Driven Lymphomas*, Professor Polina Shindiapina

Luca Schmitt, ASTRONOMY AND ASTROPHYSICS, *Quasar Research with SimBAL*, Professor Donald Terndrup

Camryn Weihrauch, PSYCHOLOGY, *Quality of parent-child book reading as a predictor of children's social-emotional competencies*, Professor Virginia Tompkins