

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

RECIPIENTS OF \$8000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Joseph Urso, BIOLOGY, *Effects of Male Ejaculate on Female Northern house mosquitoes, Culex pipiens*, Professor Megan Meuti

John Vu, BIOCHEMISTRY, *Role of the unique C-terminal domain of plant ProXp-ala*, Professor Karin Musier-Forsyth

RECIPIENTS OF \$7000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Jeffrey Barckert, HISTORY, *Press for the People: Construction and Implementation of Francoist Censorship in Catalonia, 1938-55*, Professor Elizabeth Bond

Mitchell Ticoras, MOLECULAR GENETICS, *Deficiency in Energy Production: A Study of ROS and Their Impact on Cell Integrity*, Professor Patrice Hamel

Alexander Williams, ECONOMICS, *Rationality and Efficiency in NFL Gambling Markets*, Professor John Rehbeck

RECIPIENTS OF \$6000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Zhengyuan Huang, MATHEMATICS, *A classification of homeostasis types in four-node input-output Networks*, Professor Martin Golubitsky

Andrew Nguyen, CHEMISTRY, *Characterization of Epitope Tagged DdiTLP2 for the Determination of Biological Functions of TLPs*, Professor Jane Jackman

Emma Stoutenburg, EARTH SCIENCES, *How Uncertainties in Experimental Temperature Limit our Understanding of the Earth's Core Composition*, Professor Wendy Panero

RECIPIENTS OF \$5500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Rosemary Zaleski, BIOCHEMISTRY, *Lowering the cost of a novel assay to diagnose classical galactosemia, an inborn genetic disorder*, Professor Venkat Gopalan

RECIPIENTS OF \$5000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Julia Hurley, MOLECULAR GENETICS, *The Potential Role of Ibrutinib in Enhancing Oncolytic Virotherapy in Ewing Sarcoma*, Professor Timothy Cripe

Jessica Kavinsky, INTERNATIONAL STUDIES, *Representation of Women and Children in Genocide memorials in Rwanda and Germany*, Professor Hollie Nyseth Brehm

Riley Kelch, CHEMISTRY, *Synthesis of NHP-Molybdenum Compounds*, Professor Christine Thomas

Xuyu Liu, MICROBIOLOGY, *Investigating Microbial Metabolism of Polyphenol and their Impact to Cancer Prevention*, Professor Jiangjiang Zhu

Emily Nothnagle, PSYCHOLOGY, *The Development of Grit Through Sport Participation*, Professor Christopher Knoester

Rahi Patel, MOLECULAR GENETICS, *Investigating the Role of Elongation Factor Tu, Mitochondrial in Human Cells*, Professor Wayne Miles

Alex Patton, PHYSICS, *Using machine learning to optimize designs for neutrino telescopes with the GENETIS project*, Professor Amy Connolly

Joseph Reiter, PSYCHOLOGY, *Overconfidence, Political Ideology, And The Dark Triad*, Professor Brittany Shoots-Reinhard

Rose Tyler, PSYCHOLOGY, *Nonzero Sum Belief Intervention and Response to Conflict in Romantic Relationships*, Professor Jennifer Crocker

RECIPIENTS OF \$4500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Laurel Bayless, GEOGRAPHY, *The Portrayal of the Nature-Society Relationship in Evolution Narratives*, Professor Becky Mansfield

Hannah Cevenini, MICROBIOLOGY, *Strategies for preventing Epstein-Barr virus-associated malignancies in patients with HIV/AIDS.*, Professor Robert Baiocchi

Arman Eshaghi Bayat, BIOCHEMISTRY, *Developing functional antibody fragments that lack a disulfide bond*, Professor Thomas Magliery

Molly Hunt, EARTH SCIENCES, *Body Mass Evolution in Geomorph Rodents Over the Last 30 Million Years*, Professor Jonathan Calede

Devin Mediratta, NEUROSCIENCE, *Impact of astrocytic network manipulation on K⁺ homeostasis in health & stroke*, Professor Min Zhou

Aditya Mistry, BIOCHEMISTRY, *Using Rop as a Model to Investigate Protein Structure and Stability*, Professor Thomas Magliery

Owen Morrish, INTERNATIONAL STUDIES, *A Transnational Examination of Second Language Instruction for Refugees*, Professor Janice Aski

Emily Schlichting, BIOLOGY, *Characterizing the Role of Novel FGFR Fusions in Human Cancers*, Professor Sameek Roychowdhury

Serena Smith, BIOCHEMISTRY, *Structural Stability of a Protein Fragment Essential for Hearing*, Professor Marcos Sotomayor

RECIPIENTS OF \$4000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Nicholas Bednar, LINGUISTICS, *DIY Citizen Science: Informal Language Science in the Museum Setting*, Professor Laura Wagner

Rece Foss, NEUROSCIENCE, *Determining the impact of socioeconomically distressed communities on outcomes and readmissions in trauma patients*, Professor Johanthan Wisler

Ivy Larkin, EVOLUTION AND ECOLOGY, *Does range size predict genetic diversity in squamates of the Southeastern United States?*, Professor Bryan Carstens

Morgan Leopold, SOCIOLOGY, *The Differential Benefit of School Counselors on Students' Post-Secondary Plans*, Professor Douglas Downey

RECIPIENTS OF \$3500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Steven Zhou, BIOCHEMISTRY, *Concentration dependent protein dynamics of γ -crystallins*, Professor Zhengrong Wu