

**ARTS AND SCIENCES
SPRING SEMESTER 2018
UNDERGRADUATE RESEARCH SCHOLARSHIP COMPETITION**

RECIPIENTS OF \$12000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Sandra Lackmann, International Studies, Spanish, *A Story of Obstacles: How the United States has Repeatedly Failed Women Fleeing Violence in Central America's Northern Triangle*, Professor Kendra McSweeney

Rebecca Anderson, Earth Sciences/Geological Sciences, *Petrographic Analysis and Chemical Weathering Sources in the Choshui River Watershed on the High-Standing Oceanic Island of Taiwan*, Professor Anne Carey

Prescott Vayda, Earth Science, *Looking for Preserved Soft Tissues in Fossils of the Silica Shale*, Professor Loren Babcock

Tal Shutkin, Physical Geography, Environmental Policy & Decision Making, *Mixed Messages: Cross-cultural communication in British Columbia's Muskwa-Kechika Management Area*, Professor Anna Willow

RECIPIENTS OF \$10000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Emily McCormic, Molecular Genetics, *Characterization and mapping of the required to maintain repression10 locus affecting paramutation*, Professor Jay Hollick

Abu Rogers, Biochemistry, *Identification of small molecules with curative and transmission blocking activities to the human malarial parasite, Plasmodium falciparum*, Professor Mark Drew

RECIPIENTS OF \$8000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Eric Yanchenko, Mathematics, Physics, *Exploring Mid-Gap States in Hexagonal Boron Nitride*, Professor Leonard Brillson

Alexandra Smith, Earth Science, *Natural variability in the contribution of heterotrophic carbon to tissues of Hawaiian corals*, Professor Andréa Grottoli

Michael Chung, Biochemistry, *An Interdisciplinary Effort to Address Microgravity-Induced Skeletal Muscle Atrophy in Astronauts*, Professor Peter Lee

Patrick Cleary, Geography & Economics, *Neoliberalism and the Terminal Crisis: Perspectives from Arrighi and Galeano*, Professor Joel Wainwright

RECIPIENTS OF \$7000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Mark Gnatowski, History and Political Science, *Exploring the Impact of Nuclear Waste Creation and Disposal Methods on the Hanford, Washington Region from a Historical Perspective*, Professor Christopher Otter

Hayley Svensson, Psychology, *Numeracy and the Strength of Monetary vs. Social Incentives on Task Performance*, Professor Ellen Peters

Annalee Sekulic, Anthropology and Public Policy Analysis, *Hyraxes in Human Landscapes of the Arabian Desert*, Professor Joy McCorriston

Havovi Desai, Psychology and Music, *The Relationship between Resting Heart Rate Variability and Music Listening Preferences*, Professor Julian Thayer

RECIPIENTS OF \$6000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Ness Mayker, Astrophysics & Physics, *Evaluating the Usefulness of Rotational Spectral Line Broadening to Generate Accurate Stellar Ages*, Professor Donald Terndrup

Eli Guidry, Sociology, English, *A Content Analysis of Prominent English-Language American Anarchist Periodicals in the Period of 1914-1917*, Professor Andrew Martin, Vincent Roscigno

Camille Bratton, Biology, *Translating VWF Aptamer Efficacy from Mouse to Man: Large Animal Studies*, Professor Shahid Nimjee

Drew Arbogast, Evolution and Ecology, *Phytolith Analysis & Study of the Landscape History of Dhufar, Oman*, Professor Joy McCorriston

Alexis Scharrer, Spanish, Linguistics, *The Phonological Acquisition of L2 Phonemes: Proposal to Investigate K'iche' Ejective Consonants*, Professor Rebeka Campos-Astorkiza

RECIPIENTS OF \$5000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

David Sneddon, Evolution and Ecology, *Do Big Changes in Climate Lead to Speciation in a Very Small Snail?*, Professor Bryan Carstens

Shreyas Muralidharan, Physics, *Measurement and Manipulation of Defect Densities in Gallium Oxide*, Professor Leonard Brillson

Bryce Boron, Psychology, *Neural Correlates of Emotion (Dys)regulation in Multiple Sclerosis*, Professor Ruchika Prakash

Julia Love, Biology, *Determination of the Safety and Efficacy of the Novel Oncolytic Herpes-Simplex-1 Virus, Mut-3ΔICP6 for the Treatment of Pediatric Neuroblastoma*, Professor Timothy Cripe

RECIPIENTS OF \$4000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Tyler Ritchie, Biology, *Isolation of Salmonella mutants resistant to 6-phospho-fructose-asparagine*, Professor Brian Ahmer

Jenna Wilson, Cognitive Neuroscience, *A New Thrombolytic to Prevent or Attenuate Myocardial Infarction*, Professor Jay Zweier

Shravan Thaploo, Neuroscience, *Sharing Emotions: Do emotionally charged events increase neural similarity during naturalistic viewing of the movie Forrest Gump?*, Professor Dylan Wagner

Sunit Patil, Physics, *Interaction between detectors and accelerating particles*, Professor Samir Mathur

RECIPIENTS OF \$2500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Jonathan Foltz, Evolution & Ecology, *Antibiotrophic Dysgonomonas spp. Endemic to Periplaneta americana*, Professor Zakee Sabree

Lindsay Gillikin, Psychology and Women's, Gender & Sexuality Studies, *Psychology and Women's, Gender & Sexuality Studies (WGSS)*, Professor Michael Vasey

Emma Thaci, Sociology, *Married with Children: Assessing the Relationships between Marital Status, Presence of Children, and Mental Health in Poland, 2003 - 2013*, Professor Corinne Reczek

Elizabeth Troiano, Psychology, *Lexical influences on perceptual grouping word-initially and word-finally*, Professor Mark Pitt

RECIPIENTS OF \$1500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Jonathan Lee, German, Chinese, *An Analysis of Empirical Data on the Effects of L2 Accents on Responses of L1 Speakers*, Professor Carmen Taleghani-Nikazm

Michelle McKenzie, Linguistics, Russian, *Effects of relative frequency on morphological processing in Russian and English*, Professor Andrea Sims

Stephen Forster, Physics, Music, *DNA Accessibility within Nucleosomes and Chromatin Dynamics*, Professor Michael Poirier

Alexander Sprague, Neuroscience, *AHR and Notch signal pathways in human innate lymphoid cell development*, Professor Ahron Freud

Evelyn Goodyear, Biology, *Exploring the interaction between the β -glucan synthase Bgs1 and the protein Sbg1 during fission yeast cytokinesis*, Professor Jian-Qui Wu

RECIPIENTS OF \$1000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Lisa Gies, Psychology, *Nonverbal Communication and Imitation Skills in Children with Developmental Disabilities*, Professor Katherine Walton

Connor Wagner, Neuroscience, *Toward a More Robust Gene Expression Signal for Alzheimer's disease Neurodegeneration*, Professor Jeff Kuret

RECIPIENTS OF \$750 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Michael Piascik, Psychology, *The Role of Stereotype Priming and Prejudice on Aggression towards African Americans*, Professor Brad Bushman

Deniz Ozkardas, Psychology, *The Role of Visual and Auditory Attention in Decision Making*, Professor Julie Golomb

Nickelas Huffman, Microbiology, *Elucidation of the Role of RanBP9 in Melanoma genesis and Development*, Professor Vincenzo Coppola

RECIPIENTS OF \$500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Nil Patel, Neuroscience, *Investigating the Therapeutic Potential of Cardiac Progenitor Cells Cultured in Normoxic and Hypoxic Conditions*, Professor Mahmood Khan

Bridget Walsh, Biochemistry, *Thread Spray Ionization*, Professor Abraham Badu-Tawiah

Connor Gifford, Neuroscience, *Incidence and Risk Factors of Ileus and Bowel Obstruction Following Thoracolumbar Spinal Fusion*, Professor H. Francis Farhadi

Alexandria Barkhimer, Psychology, *Taxonomic and Thematic Associations Subtyping in Adults*, Professor Vladimir Sloutsky

RECIPIENTS OF \$250 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Olivia Raimondi, Political Science/Criminology, *Who Rejects the European Union? Polish Attitudes about Legal Conflicts between National and Supranational Governance*, Professor Kazimierz Slomczynski

Sarah Holbert, Political Science & English, *How Do Polish Youth View the Role of Government in Economic Redistribution? A Comparison of 1993 and 2013*, Professor Kazimierz Slomczynski

Mark Oleson, Political Science, Economics, *Assessing Democratic Deconsolidation in Poland*, Professor Kazimierz Slomczynski