ARTS AND SCIENCES  
AUTUMN SEMESTER 2019  
UNDERGRADUATE RESEARCH SCHOLARSHIP COMPETITION

RECIPIENTS OF $5500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Kassidie Harmon, Psychology, The Effect Of Natural Hair On Stereotype Activation, Professor Steven Spencer

Brady Johnson, Political Science, Voter ID Laws and Public Confidence in Election Results, Professor Vladimir Kogan

Samantha Wick, Psychology, Neuroscience, Redefining the relationship between beliefs about malleability of mental illness and view on prognosis, Professor Jennifer Cheavens

RECIPIENTS OF $4100 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Caitlin Hatten, Neuroscience, Aptamer Inhibition of von Willebrand Factor in an Occlusive Thrombus in Murine Myocardial Infarctions, Professor Shahid Nimjee

Shelby Martell, Speech and Hearing Science, Music, Velopharyngeal Dynamics in Classical Singers: An Aerodynamic Study, Professor Youkyung Bae

Rachel Oakley, Psychology, "I'll do it now!" Valence Weighting Bias as a causal agent in procrastination, Professor Russell Fazio

Anna Starkey, EEOB, Investigating the impacts of soil quality on floral color and pollinator perception, Professor Frances Sivakoff

Sarah Stradling, History, German, International Studies, Hinterhofmoscheen in Kreuzberg 36: The Impact of Urban Planning on 1960s and 70s West Berlin Immigrant Communities, Professor Robin Judd

Kaitlyn Tindall, Biology, Characterization of SLAMF7 promoter regulation in Chronic Lymphocytic Leukemia, Professor Natarajan Muthusamy

Vilas Winstein, Mathematics, CIS, Computational analysis of biquandle bracket and related knot invariants, Professor Sergei Chmutov

RECIPIENTS OF $3500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Mallow Uher, German, Sturgeon: A cultural history of the Danube's flagship fish, Professor Matthew Birkhold

RECIPIENTS OF $3000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

James Bingman, EEOB, Does AM fungal-induced plant defense priming remain consistent throughout a plant's life stages?, Professor Alison Bennett

Jacob DeVos, Microbiology, Role of rsp 1018 and Related Genes in the Metabolism of D-Lactate in Rhodobacter sphaeroides, Professor Birgit Alber

Samantha Stelnicki, Economics, Mathematics, Preference Changes in Debt, Professor Paul Healy
RECIPIENTS OF $2500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Aden Bhagwat, Psychology, Criminology, Shaping Biases Towards the Prosecution or the Defense: The Role of Disgust Sensitivity and Valence Weighting Bias, Professor Russell Fazio

James Fanning, Microbiology, Computational Studies of Mitragynine Analogue Binding at Human Mu-Opioid Receptors, Professor Noel Paul, Richard Spinney

Marissa Farinas, Neuroscience, Novel small molecule STAT3 inhibitor restores CD4+ Teff cell Treg cell balance in EAE ad Multiple Sclerosis patients, Professor Yuhong Yang

Rebecca Gill, German, Linguistics, Interactions between the loss of the Preterite and Subjunctive 2 Usage, Professor Anna Grotans

Roberto Gonzalez, Linguistics, Phonetic Convergence in Temporal Organization During Shadowed Speech, Professor Cynthia Clopper

Chase Horchen, Political Science, Replacement-Based Cultural Threat and Immigration Policy Attitudes, Professor Thomas Nelson

Sarah McCaslin, German, Feuding Frauen: Uncovering Stylistic Difference Between Lesbians and Feminists in Wilhelmine and Weimar Germany, Professor Matthew Birkhold

Rachel Meyer, Linguistics, Psychology, Coarticulatory Effects in the Vowels and Voiceless Stops of Spanish Second Language Learners, Professor Rebeka Campos-Astorkiza

Joseph Rizzo, Biology, Examination of RAL proteins in C. elegans, Professor Helen Chamberlin

Megan Wadas, German, Stereotypes and Language Attitudes: Examining the Phenomenon of German Nharshness, Professor Carmen Taleghani-Nikazm

RECIPIENTS OF $2000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Derek Huck, EEOB, Determining the effects of nutrition on reproductive physiology of male mosquitoes, Professor Megan Meuti

Josiah Krumm, Psychology, A Link to the Future: Ostracism’s Effects on Aggression, Professor Melissa Buelow

Calaudia Kuchan, Psychology, Going to the dark side: do ostracized individuals choose ideal interaction partners?, Professor James Wirth

Walden Li, Psychology, Exploring the generalizability of individuals’ visual search strategy in different settings, Professor Andrew Leber

Aidan McMurray, International Studies, French, Literary vs. Political Regionalist Activism in Provence: How Frederic Mistral’s Apolitical Stance Contributed to Occitan Linguicide, Professor Sarah-Grace Heller

Alek Nielsen, History, US Counter-Terrorism Policy and the 2011 Famine in Somalia, Professor Ahmed Sikainga

Sydney Smith, International Studies, Geography, Evaluating temperature variation along an elevation gradient in Great Basin National Park using an Embedded Sensor Network, Professor Bryan Mark
Gabrielle Wilson, Visual Communication Design, *Ginger: A grocery store concept rooted in responsible food use*, Professor Paul Nini

**RECIPIENTS OF $1500 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

Serena Cronin, Astronomy and Astrophysics, *The Local Environments of Low-Redshift Supernovae*, Professor Adam Leroy

Olivia Grischow, Molecular Genetics, *Characterizing the expression of individual immune cell types within pediatric central nervous system cancers*, Professor Elaine Mardis

Joshua Hascher, Psychology, Economics, *How incentives affect the process of subjective valuation*, Professor Ian Krajbich

Claire Hinterschied, Microbiology, *Exploring the Role of FOX01 in Mediating Synergy of Targeted Therapeutic Agents in Mantle Cell Lymphoma*, Professor Robert Baiocchi

William Jiang, Neuroscience, *Evaluating Central Nervous System Brain Metastases Outcomes in Patients Receiving Stereotactic Radiation Therapy in the Setting of Modern Immunotherapy: The OSU James Cancer Hospital Experience*, Professor Raju Raval

Houzhi Li, Neuroscience, *The Effect of Sodium Channel Nav1.1 Loss-of-Function Mutant on Neurodegeneration in an Animal Model of Demyelination*, Professor Chen Gu

Raymond Patt, Neuroscience, Linguistics, *Development of world knowledge and linguistic aspect interactions expressed through mental representations*, Professor Laura Wagner

Jack Wang, Biology, *Targeting protein translation via eIF4A inhibition to treat osteosarcoma*, Professor Long-Sheng Chang

Zachary Weinland, Physics, *Monitoring Environmental Chamber Efficiency Using a Raspberry Pi*, Professor Harris Kagan

**RECIPIENTS OF $1250 UNDERGRADUATE RESEARCH SCHOLARSHIPS**

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

Caleb Costa, World Politics, *How will Quantum Computing affect International and Domestic Politics and how can Quantum Computing be used as a Research Method in Political Science?*, Professor Skyler Cranmer

Emma Hans, Neuroscience, *Exploring the Role of Lipid Debris Accumulation in Microglial Priming and Dysfunction*, Professor Jonathan Godbout

Alexandrea Johnson, Psychology, *Prejudice Concerns and Friendship Formation*, Professor Steven Spencer

Sydney Warinner, English, Spanish, *Legal Justifications for Disability Health Organizations to Administer Medical Care in Migrant Detention Centers on the U.S.-Mexico Border*, Professor Ines valdez
RECIPIENTS OF $1000 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Michelle Fiamingo, Biochemistry, Public Health, Investigation of PFOA and PFOS Enrichment Mechanisms in Sea Spray Aerosol Proxy Systems and Potential Routes of Exposure in Coastal, Professor Heather Allen

Romik Ghosh, Math, Data Analytics, Semi-Supervised Learning Model for Parkinson's Disease Detection and Localization, Professor Vibhor Krishna

Sreya Juras, International Studies, Understanding the pre-historic presence of the sweet potato in Polynesia: Experimental determination of seed floatability and impacts of contact with seawater on seed viability, Professor Alvaro Montenegro

Serena Kaul, Neuroscience, Understanding the Bidirectional Relationship Between Sex Trafficking and Opioid Use in Central Ohio: Perspectives of Anti-Trafficking Service Providers, Professor Sharvari Karandikar

Zachary Oncale, International Studies, Queer Asylum Seekers: Analysis of the European Union's Identification and Regulation of Queer Asylees, Professor Matthew Birkhold

Elizabeth Sisson, International Studies, Japanese, Returning to the Ethnic Homeland: Japanese Brazilians in Japan, Professor Mathew Coleman

Camryn Weihrauch, Psychology, Higher Education and Idealized Parenting Beliefs: A Comparative Study, Professor Virginia Tompkins

RECIPIENTS OF $500 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Cailynn Beck, Speech and Hearing Sciences, Coarticulatory nasalization and nasality: A within-speaker production-perception analysis, Professor Youkyung Bae

Brennan Corrigan, Linguistics, German, The Polyglossic Situation in Swiss German Social Media: Standard, Dialect, and English, Professor Anna Grotans

Erin Holcomb, Microbiology, The Role of MicroRNA-21 in Visceral Leishmaniasis Immunity, Professor Abhay Satoskar

Jake Huryn, Mathematics, Investigating The Strength Of A Mathematical Rosetta Stone, Professor Vitaly Bergelson

Rushil Raghavan, Mathematics, Investigating The Strength Of A Mathematical Rosetta Stone, Professor Vitaly Bergelson

Jacob Schlaegel, Psychology, Selective Attention and Perceptual Load Hypothesis, Professor Chris Robinson

Yifan Song, Computer Information Science, Data Analytics, Graph Convolutional Networks (GCNs) for Molecular Property Prediction in Drug Development, Professor Xia Ning

RECIPIENTS OF $200 UNDERGRADUATE RESEARCH SCHOLARSHIPS

Sarah Grossman, EEDS, Spanish, A socio-economic analysis of citizen participation in the NTFP industry of Guatemala, Professor Brent Sohngen

Elisha Stauffer, English, Censorship as a Sponsor for Literacy in Eastern Europe, Professor Kay Halasek