

Awarded 2018-2019 UROP Recipients

PI, Co-PI(s), and Majors	Mentor	Title
<p>Akhavan, Branson (Bejan) Electrical Engineering</p> <p>Haghegh, Omran Electrical Engineering</p> <p>Latiff, Philip Electrical Engineering</p> <p>Gras, Andrew (Lead) Electrical Engineering</p> <p>Schlosser, Trevor Electrical Engineering</p> <p>Stanek, Wencil Mechanical Engineering</p> <p>Zapiler, Aaron Mechanical Engineering</p> <p>Corral, Eduardo Mechanical Engineering</p> <p>Shin, Jong Mechanical Engineering</p>	<p>Dey, Satadru Electrical Engineering</p> <p>Park, Jae Do Electrical Engineering</p> <p>Gallagher, Douglas Mechanical Engineering</p>	<p>Hyperlynx Project</p>
<p>Andaloori, Lalitya Biology and Business</p>	<p>Ragland, Gregory Integrative Biology</p>	<p>The effect of temperature on diapause metabolism and high elevation adaptation in the rose fly, <i>Rhagoletis basiola</i>.</p>
<p>Ay dintug, Baris Chemistry</p>	<p>Lin, Hai Chemistry</p>	<p>Free-Energy Landscapes of Proton Transport in <i>E. coli</i> CLC Transport Protein by Combined QM/MM Calculations</p>
<p>Balolia, Aleezah Biology</p>	<p>Greenwood, Benjamin Psychology</p>	<p>Role of the Dorsal Striatum in Fear Extinction Memory and Fear Relapse</p>
<p>Bellinsky, Esther International Studies</p>	<p>Stahl, Dale History</p>	<p>Israel, Palestine and the Intractable Conflict: Through the Lens of Peace Journalism</p>
<p>Bhat, Shamik Biology/Chemistry, Mathematics</p>	<p>Lin, Hai Chemistry</p>	<p>Quantitative Assessment of Equilibration in Molecular Dynamics Simulations</p>
<p>Brañas, Miguel Theatre, Film & Video</p>	<p>McGaugh, Jessica Film & Television</p>	<p>The Man Upstairs</p>

Carr, Magdalena Chemistry	Resendiz, Marino Chemistry	Synthesis of Photoactive RNA Probes
Chaabi, Elham Biology	Phiel, Christopher Biology	Discovering Circular RNAs in Mouse Embryonic Stem Cells via Nanopore Sequencing
Chavez, Austin Public Health	Vasquez, Trishia Health Professions	Equity in the Pre-Health Application Cycle: An Analysis of Two Financial Assistance Programs
Syed, Adnan Public Health	Charles Ferguson Health Professions	
Chavez, Dulce Political Science	Walsh, James Political Science	School of America's Watch
El-Batel, Hassan Bioengineering	Magin, Chelsea Bioengineering	Development of Multiple-Particle Tracking Capabilities for Translational Research Investigating Complex Biological Fluids
Friend, Rebecca Geography/Psychology	Briles, Christy Geography	Bees and Japanese Beetles: Determining their Connection through Pesticides
Goldstein, Adam Psychology	Leonard, Carly Psychology	Intertrial Priming and Event Related Potentials
Hernandez Altamirano, Daniel Psychology	Wachholtz, Amy Psychology	The Effect of Tablet Size on Drug Efficacy, an Analysis of Drug Expectancy Effects
Himmighoefer, Haven Pre-Bioengineering	Hesselberth, Jay Biochemistry	Understanding IRE1-Dependent Decay in Mammalian Cells
Jacobi, Melissa BFA – Illustration	Heavener, Rebecca Visual Arts	The Importance of Character Development in Children's Picture Books
Jaime, Jennifer Psychology	Greenwood, Benjamin Psychology	Neural Circuits Underlying Voluntary Exercise Behavior
Davis, Jazmyne Psychology		
Khong, Phillip Biology/Psychology	Roane, Timberley Biology	Investigation of Bacterial Communities Found in Various Sediment Microbial Fuel Cells and the Effects on Power Production
Kincaid, John Electrical Engineering	Lei, Tim Electrical Engineering	Using Digital Hardware to Sort Neural Spikes
Kovacevic, Tanja Chemistry/Math	Lin, Hai Chemistry	Probing the Dynamics of the Villin Headpiece Protein's Subdomain HP-36
Matti, Majd Biochemistry	Knight, Jefferson Chemistry	SRC Tyrosine Kinase Activation by PA Binding

Meuret, Cristiana Chemistry	Vugmeyster, Lilya Chemistry	See Rickertsen
Morales, Alexander Psychology	Leonard, Carly Psychology	An Investigation of Individual Differences in Dopamine and Working Memory
Moya, Nicolette Psychology	Greenwood, Benjamin Psychology	The Importance of mTOR Signaling on Enhanced Fear Extinction Produced by Acute, Voluntary Exercise
Nguyen, Tammy Psychology/ Neuroscience	Leonard, Carly Psychology	Influences of Top-Down and Bottom-Up Processes on Visual Learning
Ortega, Stephanie International Business	Walsh, James Political Science	School of America's Watch
Oviedo, Julianna Biochem/Leadership	Schlaepfer, Isabel Medicine, Oncology	Metabolic Analysis of the Lipid Preference in Cancer Cells with Increased CPT1A Expression
Owens, Emily Photography/Art History	Golemboski, Carol Photography	"What Are You Going to Do With 390 Photographs of Dead Christmas Trees?"
Peniche, Monica Psychology	Allen, Elizabeth Psychology	An Examination of Military and Interpersonal Experiences of Female Service Members
Rader, Erina Integrative Biology	Ragland, Gregory Integrative Biology	Inversion Breakpoint Mapping of <i>Rhagoletis pomonella</i>
Rickertsen, Dillon Chemistry	Reed, Scott Chemistry	Structural Analyses of 3-Amyloid Fibrils Using Novel Deuterated Probes
Roberts, Jonte Biology	Oleson, Erik Psychology	Assessing the importance of the rostromedial tegmental nucleus (RMTg) in the valuation of signaled operant avoidance.
Siddique, Namoo Biology	Resendiz, Marino Chemistry	Transition Metal's Reactivity with Oxidative Species of RNA
Smith, Abigail Psychology/Astrophysics	Greenwood, Ben Psychology	The Importance of mTOR Signaling Related to Acute, Voluntary Exercise
Snyder, Olivia (Livy) Fine Arts	Buzek, Maria Fine Arts	Increasing Eco-Awareness: Public Artworks on the Denver Light Rail
Talaie, Ariana Public Health	Lutfey Spencer, Karen Public Health	Barriers in the Transition from Palliative Care to Hospice
Tandon, Ira Public Health	Ernst, Patricia Pediatrics	Disruption of MLL2 Binding to Chromatin
Tran, Anh Lan Biology	Guidez, Emilie Chemistry	The Effects of Explicit Water Molecules on the Absorption Spectrum of Gold Nanorods

Tran, Simon Biology Khan, Tassawwar Biology Mugabe, Patrick Biology	Bland, Sondra Psychology	The effects of post-weaning social isolation on conditioned social fear in rats
Wiseman, John Psychology	Greenwood, Benjamin Psychology	Optogenetic Activation of Mesolimbic Neurons During Fear Extinction
Wynn, Elizabeth Psychology	Hamilton, Lindsey Psychology	ThinkCheck Exams: A Novel Metacognitive Assessment
Yasini, Hossna Spanish/Math	Guidez, Emilie Chemistry	Host-Guest Binding Energy Calculations in the Drug Development Process