

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Salary Award	Ruth	Austin	Biology (BIO)	Matt	Torres	Biological Sciences	The Mechanism of the Phosphorylation of G-gamma
Salary Award	Alexander	Bukharin	Physics (PHYS)	Peter	Yunker	Physics	The Effect of Geometry on Multicellular Group Traits
Salary Award	Miles	Chan	Mechanical Engineering (ME)	David	Hu	Mechanical Engineering	Selectively Stiffening Actuator Inspired by an Elephant Trunk
Salary Award	Patricia	Chang	Neuroscience (NEURO)	Audrey	Duarte	Psychology	The Relation Between Spatial Navigation and Associative Memory in the Young Adult Population
Salary Award	Morgan	Cook	Aerospace Engineering (AE)	Eric	Feron	Aerospace Engineering	Affordable Pulsejet Educational Tools
Salary Award	Devleena	Das	Computer Engineering (CMPE)	Ayanna	Howard	Electrical and Computer Engineering	Analysis of Cramped Synchronized Movement Patterns in Infants for Earlier Detection of Cerebral Palsy
Salary Award	Isaac	del Valle	Aerospace Engineering (AE)	Julian	Rimoli	Aerospace Engineering	Development of a Soft Robotics Tensegrity Rover for Planetary Exploration
Salary Award	Samuel	Delmerico	Biochemistry (BCHM)	Jesse	McDaniel	Chemistry and Biochemistry	Investigating the Physics of Energy Storage in Supercapacitors Utilizing Molecular Dynamics Simulations
Salary Award	Julia	Denniss	Biology (BIO)	Yury	Chernoff	Biological Sciences	Determining the domains responsible for U1-70k's aggregation in Alzheimer's disease
Salary Award	Benjamin	Faught	Computer Science (CS)	Simon	Sponberg	Physics	Predicting stimuli with muscle activations of the hawk moth <i>Manduca sexta</i>
Salary Award	Kristin	Gao	Biomedical Engineering (BMED)	C. Ross	Either	Biomedical Engineering	In Vivo Analysis of Genipin on the Longevity of Scleral Stiffness and Potential Adverse Effects to Determine Neuroprotection
Salary Award	Jayna	Glover	Neuroscience (NEURO)	Christopher	Hertzog	Psychology	The Effects of Retrieval and Feeling of Knowing Judgement Calibration in Altered Cued Recall Presentation
Salary Award	Madison	Green	Chemical and Biomolecular Engineering (CHBE)	Yury	Chernoff	Biological Sciences	Modeling Amyloid Nucleation associated with Tauopathies in Yeast
Salary Award	Megan	Haynes	Environmental Engineering (ENVE)	Andrey	Gunawan	Mechanical Engineering	Techno-Economic Comparison of Conventional and Innovative Combined Solar Thermal Power and Desalination Methods for Cogeneration
Salary Award	Samantha	Hudock	Computational Media (CM)	Lisa	Yaszek	Literature, Media, & Communication	Venezuelan Science Fiction
Salary Award	Sirwoo	Kim	Biomedical Engineering (BMED)	Wilbur	Lam	Biomedical Engineering	Using an in vitro 3D hydrogel model of the blood brain barrier to analyze the effect of vasculature on drug delivery
Salary Award	Maria	Krakovski	Neuroscience (NEURO)	Michael	Borich	Biomedical Engineering	Investigating interhemispheric interactions in relation to post-stroke corticomotor connectivity to lower extremity muscles.
Salary Award	Pratik	Kunapuli	Computer Engineering (CMPE)	Aaron	Young	Mechanical Engineering	Continuous Real-Time Slope Estimation using Inertial Measurement Units for a Powered Knee and Ankle Prosthesis
Salary Award	Cindy	Liauw	Civil Engineering (CE)	Yi-Chang	Tsai	Civil and Environmental Engineering	Assessing pavement skid resistance using macrotexture and microtexture data obtained with 3D laser scanning technology
Salary Award	Niyati	MacLeod	Biomedical Engineering (BMED)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Treatment for Glaucoma Using Collagen Stiffening Agents
Salary Award	Anmol	Mathur	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	Chemical and Biomolecular Engineering	Decoupling Zn anode reaction and hydrogen evolution in rechargeable high-energy aqueous batteries
Salary Award	Owen	McAteer	Chemistry (CHEM)	Will	Gutekunst	Chemistry and Biochemistry	Synthesis of Degradable, Thermo-responsive Polymers using New Radical-Ring Opening Monomers
Salary Award	Megan	McDonnell	Biomedical Engineering (BMED)	Garrett	Stanley	Biomedical Engineering	Construction of a Piezoelectric Sensor System for the Characterization of Whisker Touches in the Awake Head-Fixed Mouse
Salary Award	Adyasha	Mohanty	Aerospace Engineering (AE)	Pui-Kuen	Yeung	Aerospace Engineering	Study of differential diffusion using backward trajectories in turbulence
Salary Award	Nancy	Park	Biology (BIO)	Terry	Snell	Biological Sciences	Evaluating the effects of copper, cadmium, and mercury on <i>Proales similis</i> diapausing egg hatching rates
Salary Award	Tilak	Patel	Biochemistry (BCHM)	Henry	La Pierre	Chemistry and Biochemistry	Developing Lanthanide/Actinide Separations Based on Dissolution in Thiol-Amine
Salary Award	Jessica	Pujols	Applied Mathematics (MATH)	Lisa	Yaszek	Literature, Media, & Communication	Science Fiction and Religion: Who Sets the Planets in Motion?
Salary Award	Kirthana	Rao	International Affairs (INTA)	Michael	Borich	Biomedical Engineering	Effects of Arm Immobilization on Motor Skill Acquisition and Cortical Plasticity
Salary Award	Anna	Romanov	Biomedical Engineering (BMED)	Gabe	Kwong	Biomedical Engineering	Antigen Specific siRNA Delivery to Primary T Cells Using pMHC Tetramers
Salary Award	Sisira	Saraswatula	Biomedical Engineering (BMED)	Blair	Brettmann	Materials Science and Engineering	Surface Modification of Nanocellulose for Applications in Drug Delivery
Salary Award	Keertana	Subramani	Economics (ECON)	Usha	Nair-Reichert	Economics	Environmental Impact of Trade Liberalization in India: A district-wide study
Salary Award	Linda	Tian	Biomedical Engineering (BMED)	Zhong Lin	Wang	Materials Science and Engineering	Optimization of an Antimicrobial Alginate-Based Triboelectric Nanogenerator (TEENG) Device
Salary Award	Diana	Toro	Biochemistry (BCHM)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Effect of Gold and Copper Sulfide Photoabsorbers in Laser-activated Nanodroplets on Drug Delivery in Human Cells
Salary Award	Joshua	Trebuchon	Physics (PHYS)	David	Hu	Mechanical Engineering	Compression of Black Soldier Fly Larvae as Active Matter
Salary Award	Kevin	Wang	Computer Engineering (CMPE)	Stanislav	Emelianov	Electrical and Computer Engineering	Randomized Optimization for Developing Therapeutic Ultrasound Array Transducers
Salary Award	John	Wennerstrum	Mechanical Engineering (ME)	Anirban	Mazumdar	Mechanical Engineering	Characterizing Robot-Human Interaction for Synergistic Control
Salary Award	Xinjing	Xu	Chemical and Biomolecular Engineering (CHBE)	Saad	Bhamla	Chemical and Biomolecular Engineering	Unraveling the biophysics and fluidic dissipation in <i>Spirostomum ambiguum</i> 's ultrafast contraction.
Salary Award	Yunshu	Zhang	Biomedical Engineering (BMED)	David	Hu	Mechanical Engineering	Anatomy of elephant trunk skin and its application in soft robotics
Salary Award	Zhigen	Zhao	Mechanical Engineering (ME)	Costas	Arvanitis	Mechanical Engineering	Computational Ultrasound Imaging
Travel Award	Yasmine	Bassil	Neuroscience (NEURO)	Shella	Keilholz	Biomedical Engineering	Spatiotemporal patterns contribute to functional connectivity differences in individuals with ADHD
Travel Award	Daniel	Gurevich	Physics (PHYS)	Flavio	Fenton	Physics	Topological analysis of experimental recordings of ventricular fibrillation
Travel Award	Megan	Haynes	Environmental Engineering (ENVE)	Andrey	Gunawan	Mechanical Engineering	Techno-Economic Comparison Between Conventional and Innovative Solar Thermal Power and Desalination Methods for Cogeneration
Travel Award	Deniz	Kurdak	Electrical Engineering (EE)	Michael	Chapman	Physics	Geometry, topology and control of spin-1 atoms
Travel Award	Mohammed	Saqib	Biomedical Engineering (BMED)	May	Wang	Biomedical Engineering	Early Prediction of Sepsis in EMR Records Using Traditional ML Techniques and Deep Learning LSTM Networks