

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Salary Award	Peter	Andersson	Physics (PHYS)	Sven	Simon	Earth and Atmospheric Sciences	Investigation of Ion Dynamics Associated with Plume Activity on Jupiter's Moon Europa
Salary Award	Sarah	Autry	Biomedical Engineering (BMED)	Rudolph	Gleason	Mechanical Engineering	DEVELOPMENT OF A PAPER-BASED MICROFLUIDIC DEVICE FOR EARLY DETECTION OF PREECLAMPSIA IN ETHIOPIAN WOMEN
Salary Award	Joao Paulo	Azaro Berenguer	Materials Science and Engineering (MSE)	Matthew	McDowell	Materials Science and Engineering	Characterization of Surface Modified Garnet-Based Solid-State Electrolyte with Reduced Interfacial Impedance
Salary Award	Vikas	Barevadia	Chemical and Biomolecular Engineering (CHBE)	Nian	Liu	Chemical and Biomolecular Engineering	High-efficiency and low-cost Nickel Cobalt Selenide nanowires as bi-functional electrocatalyst for water splitting
Salary Award	Morgan	Biagioni	Mechanical Engineering (ME)	David	Hu	Mechanical Engineering	Underwater Bubble Sniffing like the Star-Nosed Mole
Salary Award	Benjamin	Breer	Physics (PHYS)	Sven	Simon	Earth and Atmospheric Sciences	Energetic Ion Dynamics Near Europa and Ion Sputtering of the Surface
Salary Award	Angia	Chen	Biomedical Engineering (BMED)	C. Ross	Ethier	Biomedical Engineering	A model system to study the relationship between spontaneous retinal venous pulsations, intracranial pressure and intraocular pr
Salary Award	Isabel	Curro	Biomedical Engineering (BMED)	Gabe	Kwong	Biomedical Engineering	Biological Transistors to Combat Antibiotic Resistance
Salary Award	Michelle	Derewitz	Chemical and Biomolecular Engineering (CHBE)	Todd	Sulchek	Mechanical Engineering	Janus Particles for Targeted Ovarian Cancer Therapy
Salary Award	Ryan	Gemilere	Physics (PHYS)	Simon	Sponberg	Physics	Characterizing the Nature of Wingbeat Frequency in Maintaining Aerodynamic Stability in Hawk Moth Flight
Salary Award	Owen	Hale	Biology (BIO)	Amit	Reddi	Chemistry and Biochemistry	Investigating the Role of Heme in Mycobacterial Acid Resistance
Salary Award	Mitch	Hanson	Neuroscience (NEURO)	M.G.	Finn	Chemistry and Biochemistry	Opsonin Attachment by Sortase-Mediated Ligation
Salary Award	Patrick	Heritier-Robbins	Environmental Engineering (ENVE)	Kostas	Konstantinidis	Civil and Environmental Engineering	Oil Biodegradation and Microbial Community Dynamics in Beach Sands under influence of Gulf Coast Tides
Salary Award	Kyle	Hunady	Materials Science and Engineering (MSE)	Gleb	Yushin	Materials Science and Engineering	Grain Size Influence on Li-Ion Conductivity in Lithium-rich Antiperovskite Solid Electrolyte
Salary Award	Ahmet	Korkaya	Biomedical Engineering (BMED)	Woon Hong	Yeo	Mechanical Engineering	A Wireless, Low-Profile Hemodynamic Sensor for Noninvasive Monitoring
Salary Award	Ritika	Kumar	Biochemistry (BCHM)	Hanjoong	Jo	Biomedical Engineering	Regulation of KLK10 by shear-sensitive microRNAs in atherosclerosis
Salary Award	Hannah	Lachmayr	Biology (BIO)	Francesca	Storici	Biological Sciences	Characterizing RNA Repair of Double- and Single-Strand Breaks in DNA
Salary Award	Albert	Lee	Neuroscience (NEURO)	Cassie	Mitchell	Biomedical Engineering	Dynamic meta-analysis
Salary Award	Amy	Liu	Biomedical Engineering (BMED)	Shuichi	Takayama	Biomedical Engineering	Effect of Neutrophil Extracellular Traps on Human T Lymphocyte and Breast Cancer Cell Migration in a Microfluidic Device
Salary Award	Jonathan	Loi	Biomedical Engineering (BMED)	Jennifer	Curtis	Physics	Mechanical Role of Glycocalyx in Mediating Single Cell Migration
Salary Award	Sarah	Lowry	Environmental Engineering (ENVE)	Joe	Brown	Civil and Environmental Engineering	A study of the association between soil-transmitted helminths and demographic factors
Salary Award	Bryan	McCarty	Aerospace Engineering (AE)	Simon	Sponberg	Physics	A Moth-scale Flapper to Resolve Aerodynamic Force Changes Resulting from Small Kinematic Changes
Salary Award	Mia	Paletta	Biomedical Engineering (BMED)	Chethan	Pandarinath	Biomedical Engineering	Overcoming Challenges in Chronic Implantation of Tetrode Drives in the Rodent Motor Cortex
Salary Award	Kalen	Patton	Discrete Mathematics (DMTH)	Christine	Heitsch	Mathematics	Local Energy Minima in Monte Carlo Sampling of RNA Branching Models
Salary Award	Despina	Pavlidis	Biomedical Engineering (BMED)	Shuichi	Takayama	Biomedical Engineering	Development of a Microscale Aqueous Two-Phase System Bacterial Culture Platform
Salary Award	Rushil	Pingali	Mechanical Engineering (ME)	Narayanan	Komerath	Aerospace Engineering	Can Antarctic Sea Ice Melting Be Stopped and Reversed In Time?
Salary Award	Joshua	Randrup	Chemical and Biomolecular Engineering (CHBE)	Blair	Brettmann	Materials Science and Engineering	Impact of Various Drug Particle Polarities on Electrospun Fiber Morphology and Performance
Salary Award	Fatma	Rashed	Biomedical Engineering (BMED)	Maysam	Nezafati	Biomedical Engineering	Investigation of the Effects of Stimulation on Awake Rats Using Functional Magnetic Resonance Imaging
Salary Award	Olivia	Rea	Biology (BIO)	Jennifer	Singh	History, Technology, and Society	The Impacts of Limited Resources on Accessing Autism Services
Salary Award	William Holt	Roberts	Neuroscience (NEURO)	Ajit	Yoganathan	Biomedical Engineering	Inter- and Intra-Operator Variability in Measuring Anatomical Parameters Implicated as Predictors for LVOT Obstruction
Salary Award	Vivian	Romero	Physics (PHYS)	Britney	Schmidt	Earth and Atmospheric Sciences	Floor Fractured Craters and Their Implication on Ceres Active Cryosphere
Salary Award	Davis	Schultz	History, Technology, and Society (HTS)	Daniel	Amsterdam	History, Technology, and Society	Atlanta's International Corridor: Ethnic Entrepreneurship and the Historic Development of Buford Highway
Salary Award	Soham	Sinha	Chemical and Biomolecular Engineering (CHBE)	Saad	Bhamla	Chemical and Biomolecular Engineering	Understanding Multiphase Fluid-Fluid Instabilities under Continuous Flow in Close Ended Cavities.
Salary Award	Raleigh	Slyman	Biomedical Engineering (BMED)	Shuichi	Takayama	Biomedical Engineering	Integration of Luminal Perfusion in Human Intestinal Organoids
Salary Award	Ian	Smith	Biomedical Engineering (BMED)	Andres	Garcia	Mechanical Engineering	A platform to analyze YAP nuclear localization due to cellular interactions with PEG-NB hydrogels
Salary Award	Ranjani	Sundaresan	Biomedical Engineering (BMED)	Yevgenya	Strakovsky	Modern Languages	Integrating psychology and the humanistic tradition: An analysis of Georgia Tech's attitudes towards flourishing
Salary Award	Sara	Volk	Psychology (PSY)	Rick	Thomas	Psychology	Memory Dynamics and Probability Judgment
Salary Award	Rachel	Walter	Earth and Atmospheric Sciences (EAS)	Kim	Cobb	Earth and Atmospheric Sciences	Reconstructing Hydroclimate in the Tropical Pacific
Salary Award	Sophia	Wiesenfeld	Biology (BIO)	Brian	Hammer	Biological Sciences	An investigation into the effect of glucose on E. coli survival against attack by Vibrio cholerae
Salary Award	Laura	Yang	Environmental Engineering (ENVE)	Nga Lee (Sally)	Ng	Chemical and Biomolecular Engineering	Thermal Decomposition Characterization of Filter Inlet for Gases and AEROSols (FIGAERO)
Salary Award	Yingnan	Zhang	Biomedical Engineering (BMED)	Ajit	Yoganathan	Biomedical Engineering	Development of a Fluid-Structure Interaction Paradigm for Procedural Planning of Transcatheter Mitral Valve Replacement
Travel Award	Fares	Elsabbagh	Computer Engineering (CMPE)	Hyesoon	Kim	Computer Science	Vortex RISC-V GPGPU system: Extending the ISA, Synthesizing the Microarchitecture, and Modeling the Software Stack
Travel Award	Rafael	Figuerola	Electrical Engineering (EE)	Gregory	Durgin	Electrical and Computer Engineering	A Rectenna Using Copper Foil on Glass to Reduce Cost of Space Solar Power
Travel Award	Shreyas	Krishnapura	Biochemistry (BCHM)	Catherine	Barnes	Chemistry and Biochemistry	Factors to Improve Attendance at Diabetes Self Management Education Classes
Travel Award	Matthew	Merck	Computer Science (CS)	Hyesoon	Kim	Computer Science	Collaborative Execution of Deep Neural Networks on Internet of Things Devices and Its Applications
Travel Award	Andrew	Pan	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering	Janus Micromotors Improve The Catalytic Efficiency of Immobilized Enzymes
Travel Award	Evan	Shi	Electrical Engineering (EE)	Gregory	Durgin	Electrical and Computer Engineering	A Rectenna Using Copper Foil on Glass to Reduce Cost of Space Solar Power
Travel Award	Srisurya	Yadavalli	Physics (PHYS)	Gongjie	Li	Physics	Modeling the Stellar Flux of Circumbinary Planets