Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department	Project Title
Salary Award	Nadine	Abrahamse	Biochemistry (BCHM)	Vinayak	Agarwal	COS	Chemistry and Biochemistry	Chemical profiling of marine invertebrate animals for discovery of new to science organic molecules
Salary Award	Raeeva	Ahmed	Neuroscience (NEURO)	Boris	Prilutsky	COS	Biological Sciences	Intuitive sensorimotor control of a novel muscle actuated prosthesis
Salary Award	Asher	Altman	Biomedical Engineering (BMED)	Denis	Tsygankov	COE	Biomedical Engineering	Establishing the role DAG1 and PALS1 in the development of different types of Cerebral Cavernous Malformation
Salary Award	Brian	Cheng	Biomedical Engineering (BMED)	Francisco	Robles	COE	Biomedical Engineering	Deep Ultraviolet Microscopy of Basal Cell Regions in Prostate Cancer Tissue
Salary Award	Christine	Cheng	Chemical and Biomolecular Engineering (CHBE)	Woon-Hong	Yeo	COE	Mechanical Engineering	Development of Nanomembrane, Wireless Strain and Pressure Sensors for Pediatric Neurological Sensory Feedback
Salary Award	Andrew	Chyong	Biomedical Engineering (BMED)	Erik	Dreaden	COE	Biomedical Engineering	Cytokine-enhanced T cell Engager Therapy for Acute Leukemia
Salary Award	Dustin	Coha	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Eyelashes' ability to Divert Airflow and the Effect of Cosmetics on that Ability
Salary Award	Emma	Costanza	Biomedical Engineering (BMED)	Erik	Dreaden	COE	Biomedical Engineering	Multicolor Optical Control of Cytokines for Cancer Treatment
Salary Award	Henry	Crossley	Biology (BIO)	Michael	Goodisman	COS	Biological Sciences	Reproduction and recruitment in perennial Vespula squamosa Yellowjacket wasp colonies
Salary Award	Thi	Dao	Biochemistry (BCHM)	Ankur	Singh	COE	Mechanical Engineering	Analysis of Murine Microbiota for Investigation into Gut Immune Response
Salary Award	Adit	Desai	Physics (PHYS)	Martin	Mourigal	COS	Physics	Design of a multi-analyzer neutron scattering spectrometer using ray-tracing Monte-Carlo simulations
Salary Award	Andres	Garcia	Mechanical Engineering (ME)	Christopher	Saldana	COE	Mechanical Engineering	ImageAnalysis & Characterization of WireArcAdditiveManufacturingParameters & ConsequentEffects on WeldPenetration & BeadGeometry
Salary Award	Susanna	Greiner	Architecture (ARCH)	Danielle	Willkens	COD	Architecture	What does the 21st century dollhouse look like?
Salary Award	Mathias	Hadgu	Mechanical Engineering (ME)	David	Hu	COE	Mechanical Engineering	Dynamics of Fire Ant Raft Assembly
Salary Award	Christopher	He	Biomedical Engineering (BMED)	Annabelle	Singer	COE	Biomedical Engineering	Rewarding Flicker: Auditory and Visual Stimulation of 5XFAD Mice
Salary Award	Nima	Jadali	Computer Science (CS)	Ye	Zhao	COE	Mechanical Engineering	Robotic Arm Perception and Manipulation with Robust Multi-Level Optimization
Salary Award	Navya	Katragadda	Biomedical Engineering (BMED)	Annabelle	Singer	COE	Biomedical Engineering	Developing a Virtual Reality Behavioral Task to Investigate Prospective Coding
Salary Award	Patrick	Kim	Mechanical Engineering (ME)	Aaron	Young	COE	Mechanical Engineering	Real-time Trailing Limb Angle Estimator for Hemiparetic Gait using Wearable Inertial Measurement Sensors
Salary Award	Sachin	Konan	Computer Science (CS)	Matthew	Gombolay	COC	Interactive Computing	Decentralized MARL with Maximum Mutual Information Architecture
Salary Award	Varun	Kumar	Biomedical Engineering (BMED)	Shuichi	Takayama	COE	Biomedical Engineering	Evaluating the Effects of Combination Treatments on IPF Resolution Using a Fibrin Degradation Assay
Salary Award	Detriana	Kurzeja-Edwards	Biology (BIO)	Kirill	Lobachev	COS	Biological Sciences	Effects of Mutations of CST complex and Genomic Stability of Saccharomyces cerevisiae
Salary Award	Qingyi	Lou	Biomedical Engineering (BMED)	Gregory	Sawicki	COE	Mechanical Engineering	Instrumentation of a Foot-ankle Exoskeleton for Biomechanical Analysis Over Dissipative Terrain
Salary Award	Advay	Mahajan	Biomedical Engineering (BMED)	Tony	Kim	COE	Mechanical Engineering	Viability and Functionality of Peptide-Based Engineered High-Density Lipoprotein Nanoparticles
Salary Award	Ian	McClish	Biology (BIO)	Stefan	France	COS	Chemistry and Biochemistry	Lignan Natural Product Synthesis
Salary Award	Micah	Mers	Industrial Engineering (IE)	Yi-Chang James	Tsai	COE	Civil and Environmental Engineering	Large-scale Transportation Infrastructure Condition Forecasting for MR&R Planning Using 3D Technology and Machine Learning
Salary Award	Alex	Monterde	Chemistry (CHEM)	Joseph	Sadighi	COS	Chemistry and Biochemistry	Preparation and characterization of NHC copper hydride clusters and their reactivity
Salary Award	Cuong	Nguyen	Computer Science (CS)	Michael	Best	COC	Interactive Computing	An Deep NLP Framework for Amharic and Oromo Hate Speech Detection in service of the 2021 Ethiopia General Elections
Salary Award	Brittan	Pero	Mechanical Engineering (ME)	Jud	Ready	COE	Materials Science and Engineering	Golf Putter Adjustability and Customization
Salary Award	Corey	Preston	Physics (PHYS)	Sven	Simon	COS	Earth and Atmospheric Sciences	Modeling of Energetic Ion Dynamics at Jupiter's Moon Io
Salary Award	Kyle	Roe	Physics (PHYS)	David	Hu	COE	Mechanical Engineering	Formation of different fire ant structures under different conditions
Salary Award	Abigail	Salas	Biology (BIO)	Yury	Chernoff	COS	Biological Sciences	Effects of the Ribosome-Associated Chaperone Hsp70-Ssb on the Formation and Propagation of [URE3] Prion in Saccharomyces cerevis
Salary Award	Madelyn	Scandlen	Computer Science (CS)	Lelia	Glass	IAC	Modern Languages	Language in the New South
Salary Award	Hannah	Snyder	Biology (BIO)	Thomas	DiChristina	COS	Biological Sciences	Evolution of human arsenic detoxification protein N6AMT from ancestral prokaryotic RNA methyltransferase
Salary Award	Paige	Steppe	Chemical and Biomolecular Engineering (CHBE)	Mark	Styczynski	COE	Chemical and Biomolecular Engineering	Developing a sensitive point-of-care cadmium biosensor
Salary Award	Sruthi	Sudhakar	Computer Science (CS)	Judy	Hoffman	COC	Interactive Computing	Bias Mitigation in Deep Learning
Salary Award	Rahul	Wadhwani	Neuroscience (NEURO)	Brandon	Dixon	COE	Mechanical Engineering	Development of a Lipid Nanoparticles Library for Specific Functional mRNA Delivery
Salary Award	Khurram	Yamin	Industrial Engineering (IE)	Yao	Xie	COE	Industrial and Systems Engineering	Covid-19 Hotspot Detection Model
Salary Award	TianHao	Zhao	Biomedical Engineering (BMED)	Frank	Hammond	COE	Mechanical Engineering	Integrating Robotic Gripper into Prosthesis
Salary Award	Mandy	Zhu	Biology (BIO)	Wilbur	Lam	COE	Biomedical Engineering	Investigating the use of microfluidic devices to improve the transduction of viral vectors