Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Salary Award	Asad	Abbas	Biomedical Engineering (BMED)	Wilbur	Lam	Biomedical Engineering	Cytoskeletal restructuring in the margination of neutrophils
		Ajjan	Chemistry (CHEM)		Buckley	Biomedical Engineering	Development of Enhanced Optical Sensors for Sickle Cell Disease
Salary Award		Appalwar	Industrial Engineering (IE)		Singh	History, Technology, and Society	Mental Health Literacy in India
Salary Award	+	Augenbroe	Biomedical Engineering (BMED)		Arvanitis	Biomedical Engineering	Ultrasound liquid biopsies in brain tumors
Salary Award		Baker	Computational Media (CM)	Lisa	Yaszek	Literature, Media, & Communication	Science Fiction Podcast Research and Expansion
	Anthony Mary-Catherine	Barnum Bryant	Mechanical Engineering (ME) Biomedical Engineering (BMED)		Hammond Wood	Mechanical Engineering Mechanical Engineering	Locking Mechanism for Robotic Joints Characterizing heme signaling in glial cells and neurons in Alzheimer's disease
Salary Award	<u> </u>	Caughman	Biology (BIO)		Stewart	Biological Sciences	Coral microbiome changes during a diel cycle
Salary Award		Charoenboonvivat	· · · ·	Narayanan	Komerath	Aerospace Engineering	The Glitter Belt
· · · · · · · · · · · · · · · · · · ·		Chiappina		Dragomir	Davidovic	Physics	Investigation of Multipartite Entanglement in Itinerant Ferromagnets
Salary Award	Christie	Choi	Electrical Engineering (EE)	Ayanna	Howard	Electrical and Computer Engineering	Development of a Smart Infant Toy to Encourage Rolling Movements for Infants at Risk of CP
Salary Award	Noel	Csomay-Shanklin	Mechanical Engineering (ME)	Aaron	Young	Mechanical Engineering	Continuous Walking Parameter Estimation Using Multi-Data Sensor-Fusion
Salary Award		Datta	Mechanical Engineering (ME)	Peter	Loutzenhiser	Mechanical Engineering	CHARACTERIZATION OF REDOX-ACTIVE DOPED PEROVSKITE MATERIALS FOR HIGH-TEMPERATURE SOLAR THERMOCHEMICAL PROCESSES
Salary Award		Denig	5 5 7	Dan	Kotlyar	Mechanical Engineering	ADDRESSING PRACTICAL CONCERNS REGARDING LOW ENRICHED NUCLEAR THERMAL PROPULSION ENGINES FOR DEEP SPACE EXPLORATION
Salary Award	<u> </u>	Eastburn	5 5 7		Willett	Biomedical Engineering	Effects of compressive loading on microvasculature in vitro
Salary Award	, ,	Erb	Environmental Engineering (ENVE)	Kostas	Konstantinidis	Civil and Environmental Engineering	Quantifying the pathogen load in the air of Atlanta year-round Determining Neuroprotection in Clausema by Assessing the Efficacy of Conjoin as a Crosslinking Agent in Scleral Stiffness
Salary Award Salary Award		Gao Gray	Biomedical Engineering (BMED) Nuclear and Radiological Engineering (NRE)		Ethier Kotlyar	Biomedical Engineering Mechanical Engineering	Determining Neuroprotection in Glaucoma by Assessing the Efficacy of Genipin as a Crosslinking Agent in Scleral Stiffness Cheap and Efficient Conversion of Radioactive Heat to Electricity
Salary Award		Gu			McGrath	Biological Sciences	Improved System for Measuring Bower-Building Behavior of Lake Malawi Cichlids using Kinect Xbox One Technology
Salary Award	+	Guldberg	Biochemistry (BCHM)	MG	Finn	Chemistry and Biochemistry	Antibody targeted delivery of pro-drug converting enzymes using virus-like particle platform for cancer therapy
Salary Award		Hardie	, , , ,		Gleason	Mechanical Engineering	Biomechanical Study of Lymphatic Vessels
Salary Award		Hirani	Mechanical Engineering (ME)		Kurfess	Mechanical Engineering	Development of Digital Manufacturing Sensors for Machine Coolant Quality Monitoring
Salary Award		Huang	<u> </u>		Yushin	Materials Science and Engineering	Effect of Thin Metal Oxide Layer on Lithium Solid State Electrolyte-Li Metal Interface
Salary Award	· ·	Johnson	Aerospace Engineering (AE)	Mitchell	Walker	Aerospace Engineering	Thermal Induced Cracking of Boron Nitride
Salary Award	Jhazzmyn	Joiner		Rebecca	Burnett	Literature, Media, & Communication	Bridging the Gap: Visual Narrative and Policies
		Kapetanovic	Psychology (PSY)	Tracy	Mitzner	Psychology	Expanding Social Relationships in Older Adults Using Personalized Technology
Salary Award		Keenum			Roy	Biomedical Engineering	Improving PLGA Vaccine Production and Enhancing Vaccine Response
Salary Award		Kelly	· · · ·	M.G.	Finn	Chemistry and Biochemistry	Eliminating Peptide Extension Cleavage of Virus-like Particles in Storage
Salary Award		Klavohn	5 5,		Prausnitz	Chemical and Biomolecular Engineering	Optimization of homogenization techniques to determine the oral bioavailability of nanoparticle encapsulated biologics
Salary Award Salary Award	, , ,	Kotowska Kulkarni	Physics (PHYS) Electrical Engineering (EE)		Curtis Verriest	Physics Electrical and Computer Engineering	Hyaluronan's Role in Varying Migration Speed of Breast Cancer Cells Fourier Expansion of Periodic Orbits and Elimination Theory in Dynamical Systems
Salary Award Salary Award	,	Lacek	Electrical Engineering (EE) Biology (BIO)	Erik Melinda	Millard-Stafford	Biological Sciences	Is there evidence for a male athlete triad? A prospective study to prevent overuse injury in endurance runners
Salary Award		Lail	Biochemistry (BCHM)		Agarwal	Chemistry and Biochemistry	Crosstalk between Halogenases and Carrier Proteins in Polyhalogenated Pyrrole Biosynthesis
Salary Award		Lee	, , ,	· · · · · · · · · · · · · · · · · · ·	Boland	Industrial and Systems Engineering	Decomposition Branching and its Application to the Traveling Salesman Problem
Salary Award		Lu		Gleb	Yushin	Materials Science and Engineering	Highly Porous Carbon Nanofibers with Ionic Liquid for Flexible Supercapacitors
Salary Award		Luo	5 5 7		Riedl	Interactive Computing	Video Game Action Recognition using Transfer Learning
Salary Award		Lyu	Computer Engineering (CMPE)	Patricio	Vela	Electrical and Computer Engineering	Uncertainty and Prediction for Visual Navigation by Mobile Robots in Dynamic Settings
Salary Award	Niyati	MacLeod	Biomedical Engineering (BMED)	Mark	Prausnitz	Chemical and Biomolecular Engineering	Treatment for Glaucoma Using Collagen Stiffening Agents
Salary Award	Marc	Marone	Computer Science (CS)	Jacob	Eisenstein	Interactive Computing	Document Level Language Modeling
Salary Award		McIntosh	Biomedical Engineering (BMED)	Wilbur	Lam	Biomedical Engineering	Noninvasive, Inexpensive Smartphone App for Detecting Anemia
Salary Award		Moore	Industrial Engineering (IE)		Mueller	Public Policy	Investigating the Intersection of Blockchain Technology and Governmental Regulation in the Fintech Industry
Salary Award		Nakajima An	Computer Science (CS)	Evangelos	Theodorou	Aerospace Engineering	Methods for Combining Model-Based and Model-Free Reinforcement Learning
		Nations	Biomedical Engineering (BMED)		Garcia	Mechanical Engineering	Synthetic Hydrogels for Maturation of Human Pluripotent Stem Cell-Derived Beta Cells
Salary Award Salary Award	· ·	Nichols Orlandic	Biology (BIO) Electrical Engineering (EE)	Brian Omer	Hammer Inan	Biological Sciences Electrical and Computer Engineering	Spatial Segregation Saves E. coli from Type VI-Mediated killing by V. cholerae Signal Quality Assessment of Joint Acoustical Emissions for a Joint-Health-Monitoring Knee Brace
Salary Award		Ozenua	Industrial Engineering (IE)		Boland	Industrial and Systems Engineering	Improving mobility for commuting of warehouse workers
Salary Award		Pan	Biomedical Engineering (BMED)		Sulchek	Mechanical Engineering	Assessing the Effect of Enzyme-Bound Janus Particle Velocity on Enzyme Catalysis
Salary Award		Patel		Nian	Liu	Chemical and Biomolecular Engineering	A microfluidic electrochemical cell for understanding the flow of phase-separated Br charge products in Zn-Br flow batteries
Salary Award		Patel	9 9, ,		Brettmann	Materials Science and Engineering	Interactions of Multivalent Ions with Polyelectrolyte Brushes
Salary Award		Pillarisetti			Hu	Mechanical Engineering	Mimicking Elephant Olfaction
Salary Award	Dhruv	Purushotham	Aerospace Engineering (AE)	Joseph	Oefelein	Aerospace Engineering	Multiphysics Code Acceleration on Advanced CPU-GPU Computer Architectures
Salary Award	Kira	Pyronneau	Materials Science and Engineering (MSE)	Mark	Losego	Materials Science and Engineering	Properties of Polymer Fabrics Infused with Inorganics via Vapor Phase Infiltration
Salary Award		Ramachandran	Computer Science (CS)	Hang	Lu	Chemical and Biomolecular Engineering	Detecting and Tracking C. elegans in Microfluidic Devices
Salary Award		Russo	Environmental Engineering (ENVE)	•	Brown	Civil and Environmental Engineering	A study of enteric pathogens detected in bulk stool versus rectal swabs
Salary Award	+ '	Sandler	Earth and Atmospheric Sciences (EAS)		Glass	Earth and Atmospheric Sciences	Nitrous Oxide Production by Mn3+: A New Source of Greenhouse Gas? Consistently, Exhaling and Johaling Rubbles Underwater
Salary Award Salary Award	'	Seleb Shaeffer	Mechanical Engineering (ME) Biomedical Engineering (BMED)		Hu Pai	Mechanical Engineering Biomedical Engineering	Consistently Exhaling and Inhaling Bubbles Underwater A Study of the Effects of Torisel and β-aminopropionitrile (BAPN) on Human Triple Negative Breast Cancer in vitro
Salary Award Salary Award		Shah			Riedl	Interactive Computing	Creative Invention Benchmark
Salary Award		Sitar	Environmental Engineering (ENVE)		Bracco	Earth and Atmospheric Sciences	Freshwater forcing to the ocean submesoscale circulations
Salary Award		Smith-Pierce			Komerath	Aerospace Engineering	Low-Density Ultralight Aircraft
Salary Award		Sun	Biomedical Engineering (BMED)	Gabriel	Kwong	Biomedical Engineering	Thermogenetic Cancer Immunotherapy via Heat-Induced IL-2 Expression in Engineered T Cells
Salary Award		Tao	Biomedical Engineering (BMED)	Gabe	Kwong	Biomedical Engineering	Integrating Engineered Aptamers into DNA Gated Sorting for Viable Downstream Analysis
Salary Award		Temmar		Maysam	Nezafati	Biomedical Engineering	Multiscale Entropy Analysis of fMRI
Salary Award	Sanjana	Tewathia	Aerospace Engineering (AE)		Gunter	Aerospace Engineering	Final Prototyping, Integration and Testing of the TARGIT Mission's Tether System
10 1 4 1	<u> </u>				I\Mong	Materials Science and Engineering	
Salary Award	· ·	Wang	Materials Science and Engineering (MSE)	C.P.	Wong	9 9	Developing Stretchable and Electrically Conductive PDMS Based Adhesives with Silver Fillers
Salary Award	Alexis	Wilkinson	Chemical and Biomolecular Engineering (CHBE)	Levi	Wood	Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization
Salary Award Salary Award	Alexis Lovelyn	Wilkinson Wirian	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE)	Levi Joshua	Wood Kacher	Mechanical Engineering Materials Science and Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel
Salary Award Salary Award Salary Award	Alexis Lovelyn Matthew	Wilkinson Wirian Wyatt	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE)	Levi Joshua Andreas	Wood Kacher Bommarius	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP)
Salary Award Salary Award Salary Award Salary Award	Alexis Lovelyn Matthew Oguzhan	Wilkinson Wirian Wyatt Yilmaz	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE)	Levi Joshua Andreas Gregory	Wood Kacher Bommarius Durgin	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices
Salary Award Salary Award Salary Award Salary Award Salary Award	Alexis Lovelyn Matthew Oguzhan Nathan	Wilkinson Wirian Wyatt Yilmaz Zavanelli	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE)	Levi Joshua Andreas Gregory Woonhong	Wood Kacher Bommarius Durgin Yeo	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE)	Levi Joshua Andreas Gregory Woonhong Woon-Hong	Wood Kacher Bommarius Durgin Yeo Yeo	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon	Wood Kacher Bommarius Durgin Yeo Yeo	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award Travel Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier EI-Sayed	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah Kirit	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini Joshi	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM) Mechanical Engineering (ME)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa Matthew	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier EI-Sayed McDowell	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems Controlling Interfacial Properties of Solid-State Lithium Batteries Using Atomic Layer Deposition
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah Kirit Adam	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini Joshi Kinsel	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM) Mechanical Engineering (ME) Electrical Engineering (EE)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa Matthew Gregory	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier EI-Sayed McDowell Durgin	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry Mechanical Engineering Electrical and Computer Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems Controlling Interfacial Properties of Solid-State Lithium Batteries Using Atomic Layer Deposition Haiti RELAY: A Cost-Effective and Portable Solar Home System for Rural Haitian Regions
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah Kirit Adam Pratik	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini Joshi Kinsel Kunapuli	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM) Mechanical Engineering (ME) Electrical Engineering (EE) Computer Engineering (CMPE)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa Matthew Gregory Aaron	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier El-Sayed McDowell Durgin Young	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry Mechanical Engineering Electrical and Computer Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems Controlling Interfacial Properties of Solid-State Lithium Batteries Using Atomic Layer Deposition Haiti RELAY: A Cost-Effective and Portable Solar Home System for Rural Haitian Regions Neural Network Based Estimation of Gait Phase in a Powered Hip Exoskeleton
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah Kirit Adam Pratik Ye Lim	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini Joshi Kinsel Kunapuli Lee	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM) Mechanical Engineering (ME) Electrical Engineering (EE) Computer Engineering (CMPE) Biomedical Engineering (BMED)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa Matthew Gregory Aaron Todd	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier El-Sayed McDowell Durgin Young Sulchek	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry Mechanical Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems Controlling Interfacial Properties of Solid-State Lithium Batteries Using Atomic Layer Deposition Haiti RELAY: A Cost-Effective and Portable Solar Home System for Rural Haitian Regions Neural Network Based Estimation of Gait Phase in a Powered Hip Exoskeleton Isolation of single cells based on their secretion using heteofunctional particles
Salary Award Salary Award Salary Award Salary Award Salary Award Salary Award Travel Award	Alexis Lovelyn Matthew Oguzhan Nathan Alice Neel Sarah Shuangyi Charles Victor Kristin Sarah Kirit Adam Pratik Ye Lim SeungMin	Wilkinson Wirian Wyatt Yilmaz Zavanelli Zhang Atawala Burch Cai Caliendo Chen Gao Ghalayini Joshi Kinsel Kunapuli	Chemical and Biomolecular Engineering (CHBE) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE) Electrical Engineering (EE) Electrical Engineering (EE) Electrical Engineering (EE) Neuroscience (NEURO) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE) Computer Science (CS) Biomedical Engineering (BMED) Chemistry (CHEM) Mechanical Engineering (ME) Electrical Engineering (EE) Computer Engineering (CMPE) Biomedical Engineering (BMED) Materials Science and Engineering (MSE)	Levi Joshua Andreas Gregory Woonhong Woon-Hong Lewis Seung Soon Manu Seung Soon Thad Ross Mostafa Matthew Gregory Aaron Todd Seung Soon	Wood Kacher Bommarius Durgin Yeo Yeo Wheaton Jang Platt Jang Starner Ethier El-Sayed McDowell Durgin Young	Mechanical Engineering Materials Science and Engineering Chemical and Biomolecular Engineering Electrical and Computer Engineering Mechanical Engineering Mechanical Engineering Biological Sciences Materials Science and Engineering Biomedical Engineering Materials Science and Engineering Interactive Computing Biomedical Engineering Chemistry and Biochemistry Mechanical Engineering Electrical and Computer Engineering Mechanical Engineering	PD-1 Activation as a Novel Strategy for Modulation of Macrophage and Microglial Polarization The Effects of Microstructures on the Corrosion Rate of 302 Stainless Steel Characterization of Lignin Extracted by 1-Methylimidazole in Lignin Value Prior to Pulping (LVPP) SW/HW Framework for Exploiting Vulnerabilities on IoT Devices A Smart, Wearable EMG Device for Human Computer Interfacing Fabrication and Characterization of a Conductive and Magnetic Nanocomposite for Soft Flexible Electronics Neurobehavioral encoding of action intent and organization across development Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell: Nanophase-Segregated Structure Characterizing the Morphology in the Common Carotid Arteries of a Transgenic Mouse Model of Sickle Cell Disease Molecular Dynamics Simulation of Modified Nafion 117 Based Anion Exchange Membrane Fuel Cell: Transport and Nanophase-Segregated ScratchVR: Low-Cost, Calibration-Free Sensing for Tactile Input on Mobile Virtual Reality Enclosures Modeling Glaucomatous Damage in the Trabecular Meshwork with Oxidative Stress Investigating the Interactions of Gold Nanoparticles with Biological Systems Controlling Interfacial Properties of Solid-State Lithium Batteries Using Atomic Layer Deposition Haiti RELAY: A Cost-Effective and Portable Solar Home System for Rural Haitian Regions Neural Network Based Estimation of Gait Phase in a Powered Hip Exoskeleton

Award Type	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department	Project Title
Travel Award	Bria	Matthews	Electrical Engineering (EE)	Maryam	Saeedifard	Electrical and Computer Engineering	Haiti RELAY: A Cost-Effective and Portable Solar Home System for Rural Haitian Regions
Travel Award	Keely	Mruk	History, Technology, and Society (HTS)	Chelsea	Murdock	Literature, Media, & Communication	Citizen Storytelling and Active Centership
Travel Award	Juanita	Pardo	Biology (BIO)	Emily	Weigel	Biological Sciences	Performance, Prediction, and Preparedness: Do Biology-Major-Specific Course Provide an Advantage?
Travel Award	Robert	Petrie	Materials Science and Engineering (MSE)	Mark	Losego	Materials Science and Engineering	Exploration of Crystalline Transformations in TiO2 Thin Films Deposited Through ALD Reactions Between TDMAT and Water
Travel Award	Charu	Thomas	Industrial Engineering (IE)	Thad	Starner	Interactive Computing	RF-Pick: Comparing Order Picking Using a HUD with Wearable RFID Verification to Traditional Pick Methods
Travel Award	Alok	Tripathy	Computer Science (CS)	Oded	Green	Computational Science & Engineering	Scaling Betweenness Centrality in Dynamic Graphs
Travel Award	Maitreya	Venkataswamy	Aerospace Engineering (AE)	Suresh	Menon	Aerospace Engineering	Investigation of effects equation of state and differential diffusion on fully developed stratified turbulent channel flow
Travel Award	Meaghan	White	Materials Science and Engineering (MSE)	Seung Soon	Jang	Materials Science and Engineering	Molecular Dynamics Simulation of Quaternary Ammonium Polycation Exchange Membrane Fuel Cell
Travel Award	Julia	Woodall	Biomedical Engineering (BMED)	Wilbur	Lam	Biomedical Engineering	Real-time Visualization of Shear-dependent Erythrocyte Deformation into Schistocytes using Single Micron Microfluidics
Travel Award	Jingwei	Xie	Chemical and Biomolecular Engineering (CHBE)	Christopher	Jones	Chemical and Biomolecular Engineering	Investigation of Inter- and Intramolecular Cooperativity Effects in Alkanolamine-based Acid-Base Heterogeneous Organocatalysts
Travel Award	Yuan	Xu	Biochemistry (BCHM)	Manu	Platt	Biomedical Engineering	Optimizing activation and purification for cathepsin proteases from engineered cell lines
Travel Award	Nathan	Zavanelli	Electrical Engineering (EE)	Woonhong	Yeo	Mechanical Engineering	A Smart, Wearable EMG Device for Human Computer Interfacing