Award type	Project Title	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor Department/School
Student Salary	ROBUST HEART RATE MEASUREMENT IN VARYING ENVIRONMENTS	Varol	Aydemir	Electrical and Computer Engineering (ECE)	Ghassan	ALRegib	Electrical and Computer Engineering
Student Salary	Cryopreservation Methods for Marine Algae Species	Olivia	Bailey	Earth and Atmospheric Sciences (EAS)	Yuanzhi	Tang	Earth and Atmospheric Sciences
	Developing Techniques for Space Object Characterization in Space Situational Awareness					· ·	·
Student Salary	Applications	Julian	Brew	Aerospace Engineering (AE)	Mark	Holzinger	Aerospace Engineering
	Efficacy Comparison of Acetic Acid and d-Limonene Combinations for Control of Amaranthus						
Student Salary	spinosus and Amaranthus albus	Grace	Brosofsky	Environmental Engineering (ENVE)	Marc	Stiegliz	Civil and Environmental Engineering
Student Salary	Leader Emergence and Communication Patterns of Narcissists	Kelsey	Cannon	Psychology (PSY)	Leslie	DeChurch	Psychology
Student Salary	Layered soft biological tissue models with collagen fibril	Miles	Chan	Mechanical Engineering (ME)	Raghuram	Pucha	Mechanical Engineering
Student Salan	Custosis and Tabical Drug Delivery of Japic Liquids, Tashinafina and other Antifungal Drugs	Andu	Chan	Chemical and Diamalagular Engineering (CHDE)	Mark	Drouspitz	Chamical and Diamalagular Engineering
Student Salary	Synthesis and Topical Drug Delivery of Ionic Liquids: Terbinafine and other Antifungal Drugs Kinetics and Rate Order of Copper(I)-catalyzed Azide-Alkyne Cycloaddition Reactions between	Andy	Chen	Chemical and Biomolecular Engineering (CHBE)	Mark	Prausnitz	Chemical and Biomolecular Engineering
Student Salary	Cholesterol Derivatives in Membrane	Haley	Chenot	Chemical and Biomolecular Engineering (CHBE)	M.G.	Finn	Chemistry and Biochemistry
Student Salary	Enhancement of Bluff Body Unsteady Aerodynamic-Dynamic Interaction	James	Clinton	Aerospace Engineering (AE)	Marilyn	Smith	Aerospace Engineering
Student Salary	A real-time system to detect humming note for mobile application	Enmao	Diao	Electrical Engineering (EE)	Elliot	Moore	Electrical and Computer Engineering
Student Salary		Linido	5100		Enot	Moore	Electrical and compared engineering
Student Salary	Tuning physico-chemical properties of particles to affect phagocytosis by macrophages	Matthew	Everett	Chemical and Biomolecular Engineering (CHBE)	Julie	Champion	Chemical and Biomolecular Engineering
Student Salary	High Fidelity Models of Deployable Tensegrity Structures for Mars Lander Applications	Christine	Gebara	Aerospace Engineering (AE)	Julian	Rimoli	Aerospace Engineering
Student Salary	FAA Forced Ignition Testing	Edwin	Goh	Aerospace Engineering (AE)	Jerry	Seitzman	Aerospace Engineering
Student Salary	Optimizing in vitro behavior of heparin and polycaprolactone BMP-2 drug delivery system	Nikhil	Gupte	Biomedical Engineering (BMED)	Robert	Guldberg	Mechanical Engineering
	Analyzing differences in structural gene expression between differentiated and undifferentiated					ĺ	
Student Salary	human embryonic stem cells sorted by a microfluidic separation device	Jeremy	Gura	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering
children building							
Student Salary	Analyzing and Defending Against Malicious Browser Extensions Using Information Flow Analysis	Steven	Han	Computer Science (CS)	Wenke	Lee	Computer Science
Student Salary	Enhancing Design Education through Machine Learning	Samuel	Harvey	Industrial Design (ID)	Matthew	Swarts	Industrial Design
Student Salary	Structural and Mechanistic Exploration of the Novel Enzyme 5-nitroanthranilic acid Deaminase	David	Heaner	Chemistry (CHEM)	Raquel	Lieberman	Chemistry and Biochemistry
Student Salary	Incidental Task Set Memory	Scarlett	Horner	Psychology (PSY)	Eric	Schumacher	Psychology
Student Salary	Generating Superhydrophobic Titanium Surfaces through Sulfuric Acid Etching	Andrew	Huynh	Chemical and Biomolecular Engineering (CHBE)	Dennis	Hess	Chemical and Biomolecular Engineering
Student Salary	Fluid Mechanics of Taste	Jessica	Imgrund	Mechanical Engineering (ME)	David	Hu	Mechanical Engineering
Student Salary	Analyzing Exercises to Determine Robust and Repeatable Joint Sound Signatures	Hyeon Ki	Jeong	Electrical and Computer Engineering (ECE)	Omer	Inan	Electrical and Computer Engineering
Student Salary	Performance Enhancement of Machine Learning Algorithms with Programmable Accelerators	Joon Kyung	Kim	Computer Science (CS)	Hadi	Esmaeilzadeh	Computer Science
Student Salary	Reallocating Patrol Zones Based on Previous Crime Pattern	Kyung	Kim	Industrial Engineering (IE)	David	Goldberg	Industrial and Systems Engineering
Student Salary	Enhancing Charge Mobility of Semi-Conducting Polymers Through the Manipulation of Branches Side Chains	Harrison	Kreafle	Chemical and Biomolecular Engineering (CHBE)	Elsa	Reichmanis	Chemical and Biomolecular Engineering
Student Salary	Molecular Dynamic simulation of Functionalized and Virgin Carbon Nanotubes		Krishnaswamy			Pucha	Mechanical Engineering
	A Layered Approach to Binary Translation for RISC-Like Instruction Set Architectures	Vikram Michael	Krishnaswamy Kuchnik	Mechanical Engineering (ME)	Raghuram Linda	Wills	
Student Salary	A Layered Approach to Binary mansfation for NSC-Like Instruction set Architectures	Vaibhav	KUMAR	Computer Engineering (CMPE)	Krish		Electrical and Computer Engineering
Student Salary	The Hydrodynamics of Defecation		-	Aerospace Engineering (AE)	-	Ahuja	Aerospace Engineering
Student Salary		Morgan	LaMarca	Biology (BIO)	David	Hu	Biomedical Engineering
Student Salary	Chaotic Dynamics of a Candle Oscillator	Mary Elizabeth	Lee	Physics (PHYS)	Flavio	Fenton	Physics
Student Salary	The Effects of Gender and Confidence in Spatial Cognition	Natalie	Lembeck	Psychology (PSY)	Christopher	Hertzog	Psychology
Student Salary	Capillary Deformations Due to Dynamic Boundary Conditions	Brent	Limyansky	Physics (PHYS)	Peter	Yunker	Physics
Student Salary	Ordering of Nanoparticles on Wavy Substrate	Camila	Luppi Sato	Mechanical Engineering (ME)	Alexander	Alexeev	Mechanical Engineering
Student Salary	MSC Expansion & Chondrogenic Differentiation on Human Amniotic Membrane Microcarriers	Elizaboth	Marr	Piemodical Engineering (PMED)	Robert	Guldborg	Mochanical Engineering
Student Salary Student Salary	Effects of Diamine-based Molecular Spacers on the Capacitance of Graphene	Elizabeth Luke	Marr Maurer	Biomedical Engineering (BMED) Materials Science and Engineering (MSE)	CP	Guldberg Wong	Mechanical Engineering Materials Science and Engineering
Student Salary Student Salary		Luke Jackson	Maurer Merkl			wong Komerath	
Student Salary Student Salary	Extracting Static Pressure from Velocimetry in Vortical Flows	Jackson Amrutha		Aerospace Engineering (AE)	Narayanan Ravi	Komerath Bellamkonda	Aerospace Engineering
,	Function generator for optimizing electrotaxic migration of brain cancer cells Aversive Chemorecention in Predatory Fish	Amrutna Maeve	Mylarapu Nagle	Biomedical Engineering (BMED) Chemistry (CHEM)	kavi Julia		Biomedical Engineering
Student Salary						Kubanek	Biology
Student Salary							
	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake	Tatiana	Netterfield	Biomedical Engineering (BMED)	Melissa	Kemp	Biomedical Engineering
Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae	Tatiana Siu Lung	Netterfield Ng	Biomedical Engineering (BMED) Biology (BIO)	Melissa Brian	Kemp Hammer	Biology
Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking	Tatiana Siu Lung Huijie	Netterfield Ng Pan	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE)	Melissa Brian Saibal	Kemp Hammer Mukhopadhyay	Biology Electrical and Computer Engineering
Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells	Tatiana Siu Lung Huijie Mary	Netterfield Ng Pan Peters	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE)	Melissa Brian Saibal CK. Chris	Kemp Hammer Mukhopadhyay Wang	Biology Electrical and Computer Engineering Mechanical Engineering
Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES	Tatiana Siu Lung Huijie Mary Vivek	Netterfield Ng Pan Peters Pisharodi	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE)	Melissa Brian Saibal CK. Chris Sankar	Kemp Hammer Mukhopadhyay Wang Nair	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering
Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption	Tatiana Siu Lung Huijie Mary	Netterfield Ng Pan Peters	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE)	Melissa Brian Saibal CK. Chris	Kemp Hammer Mukhopadhyay Wang	Biology Electrical and Computer Engineering Mechanical Engineering
Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through	Tatiana Siu Lung Huijie Mary Vivek Jed	Netterfield Ng Pan Peters Pisharodi Pruett	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical Engineering (CHE)	Melissa Brian Saibal CK. Chris Sankar Christopher	Kemp Hammer Mukhopadhyay Wang Nair	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering
Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning	Tatiana Siu Lung Huijie Mary Vivek	Netterfield Ng Pan Peters Pisharodi	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE)	Melissa Brian Saibal CK. Chris Sankar	Kemp Hammer Mukhopadhyay Wang Nair	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through	Tatiana Siu Lung Huijie Mary Vivek Jed	Netterfield Ng Pan Peters Pisharodi Pruett Puleri	Biomedical Engineering (BMED) Biology (BIC) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE)	Melissa Brian Saibal CK. Chris Sankar Christopher	Kemp Hammer Mukhopadhyay Wang Nair	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering
Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisonal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS)	Melissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time Determining the genetic basis of apoptosis in polygenic multicellular snowflake yeast	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel Ramprasath Jennifer	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal Rattray	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical Engineering (CHE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS) Biology (BIO)	Meiissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio Will	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton Ratcliff	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics Biology
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ASOSNPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time Determining the genetic basis of apoptosis in polygenic multicellular snowflake yeast Characterization of Nanoscale Inorganic-Polymer Hybrid Thin Films	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel Ramprasath Jennifer Claire	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal Rattray Rohrer	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS) Biology (BIO) Materials Science and Engineering (MSE)	Melissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio Will Gleb	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton Ratcliff Yushin	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics Biology Materials Science and Engineering
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time Determining the genetic basis of apoptosis in polygenic multicellular snowflake yeast Characterizing a Chondrogenic Microenvironment to Promote MSC Chondrogenesis	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel Ramprasath Jennifer	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal Rattray	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical Engineering (CHE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS) Biology (BIO)	Meiissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio Will	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton Ratcliff	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics Biology
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisomal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibrio cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ASOSNPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time Determining the genetic basis of apoptosis in polygenic multicellular snowflake yeast Characterization of Nanoscale Inorganic-Polymer Hybrid Thin Films	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel Ramprasath Jennifer Claire	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal Rattray Rohrer	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS) Biology (BIO) Materials Science and Engineering (MSE)	Meiissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio Will Gieb Robert	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton Ratcliff Yushin	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics Biology Materials Science and Engineering
Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary Student Salary	Peroxisonal and Vesicular Localization Induced by E. Coli Uptake Type VI Secretion System in Vibric cholerae Energy-Efficient Analog Cellular Neural Networks with Convergence Checking Radioresistance of Hypoxic Chinese Hamster Ovarian Cells ADSORPTION AND DIFFUSION OF KRYPTON AND XENON IN POROUS ZEOLITES Study of aminosilica materials for CO2 adsorption Characterizing synaptic domains in C. elegans with high volume datasets obtained through computer vision and machine learning A novel imaging technique capable of tracking multiple fluorescent dye signals with high frame rate and exposure time Determining the genetic basis of apoptosis in polygenic multicellular snowflake yeast Characterization of Nanoscale Inorganic-Polymer Hybrid Thin Films Engineering a Chondrogenic Microenvironment to Promote MSC Chondrogenesis Development of an Integer Programming Formulation for the Class Scheduling Problem in the	Tatiana Siu Lung Huijie Mary Vivek Jed Daniel Ramprasath Jennifer Claire Apoorv	Netterfield Ng Pan Peters Pisharodi Pruett Puleri Rajagopal Rattray Rohrer Saraogee	Biomedical Engineering (BMED) Biology (BIO) Electrical and Computer Engineering (ECE) Nuclear and Radiological Engineering (NRE) Chemical and Biomolecular Engineering (CHBE) Chemical and Biomolecular Engineering (CHBE) Physics (PHYS) Biology (BIO) Materials Science and Engineering (MSE) Chemical and Biomolecular Engineering (CHBE)	Melissa Brian Saibal CK. Chris Sankar Christopher Hang Flavio Will Gleb	Kemp Hammer Mukhopadhyay Wang Nair Jones Lu Fenton Ratcliff Yushin Guldberg	Biology Electrical and Computer Engineering Mechanical Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Chemical and Biomolecular Engineering Physics Biology Materials Science and Engineering Mechanical Engineering

	Modeling Wave Propagation in Elastic Solids Using a Cellular Automata Approach with Non-	1	1		1	1	
Student Salary	Conforming Meshes	leremy	Simpson	Mechanical Engineering (ME)	Michael	Leamy	Mechanical Engineering
Student Salary	Phototactic Guidance and Pattern Formation of Brine Shrimp	Krishma	Singal	Physics (PHYS)	Flavio	Fenton	Physics
Student Salary	Highly Specific and Sensitive Detection of Ebola Virus from Body Fluids	Daisy	Smith	Biomedical Engineering (BMED)	Philip	Santangelo	Biomedical Engineering
Student Salary	The Effect of Microbreaks on Fatigue and Work Performance	Claire	Smith	Psychology (PSY)	Howard	Weiss	° °
							Psychology
Student Salary	A Panel Analysis of the American Recovery and Reinvestment Act (2009)	Shivang	Sullere	Economics (ECON)	Willie	Belton	Economics
Student Salary	GDH to ADH: Complete Redesign of Glucose Dehydrogenase to Alcohol Dehydrogenase	Lambros	Tassoulas	Biochemistry (BCHM)	Bettina	Bommarius	Chemical and Biomolecular Engineering
Student Salary	Finding food in an aquatic desert: How cruising copepods detect their next phytoplankton meal	lazmyne	Taylor	Biology (BIO)	leannette	Yen	Biology
Student Salary	The Pytopatcher: a Python-based software platform for automated patch-clamping of cells in	Jazinyne	Taylor	Biology (BIO)	Jeannette	ren	BIOLOGY
Student Salary	living brain tissue	Leonard	Tsai	Computer Engineering (CMPE)	Craig	Forest	Biomedical Engineering
Student Salary	Designing an In-Home Scalable Robot Arm for Hand Rehabilitation Therapy	Jonathan	Tuck	Electrical and Computer Engineering (ECE)	Ayanna	Howard	Electrical and Computer Engineering
Student Salary	Co-Culture Differentiation of Human Adipose-Derived Mesenchymal Stem Cells into Trabecular	Jonachan	Tuck	Electrical and compater Engineering (Ede)	, iyumu	lionara	Electrical and compater Engineering
Student Salary	Meshwork Cells for the Treatment of Glaucoma	Richard	Vannatta	Biomedical Engineering (BMED)	Christopher	Ethier	Biomedical Engineering
Student Salary	Adhesion Based Separation of Cancer Cell Populations	Austin	Veith	Mechanical Engineering (ME)	Andres	Garcia	Mechanical Engineering
Student Salary	Genomic Characterization of In Vitro Blood Brain Barrier Models	Cole	Weiler	Mechanical Engineering (ME)	YongTae	Kim	Mechanical Engineering
Student Salary		cole	Wener	meenaneer engineering (me)	Tongrae		incentined Engineering
Student Salary	Delayed Treatment of Critically-sized Bone Defects in a Rat Model of Chronic Non-union	Воао	Xia	Mechanical Engineering (ME)	Robert	Guldberg	Mechanical Engineering
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Student Salary	Vasculature Analysis following Blood-Brain Barrier Modulation around Intracortical Electrodes	Varun	Yarabarla	Biomedical Engineering (BMED)	Ravi	Bellamkonda	Biomedical Engineering
	Investigating the possibility of transforming a conventional inkjet printer into a 3D printer for						
Student Salary	low-cost fabrication of functional assemblies with conductive and shape memory features	Dong Yeon	Yoo	Mechanical Engineering (ME)	H. Jerry	Qi	Mechanical Engineering
Church C 1	Influence of Surface Energy on the In-Plane and Thru-Plane Percolation Thresholds for Carbon		7	Materials Colours and English 1 (1997)	Deserie	Conhordt	Metaolicle Colonics and Co. 1
Student Salary	Nanotube Thin Films	Yumeng	Zhang	Materials Science and Engineering (MSE)	Rosario	Gerhardt	Materials Science and Engineering
Student Salary	Improving Genetic Algorithm for Automatic PHP Penetration Testing	Zixiang	Zhu	Computer Science (CS)	Alessandro	Orso	Computer Science
Student Salary	A Novel Paramagnetic Bead-based Chromatography Platform with Microfluidic Channel and Compact Giga-Hz Magnetic Polarization Field Generation	Chengije	Zhu	Electrical Engineering (EE)	Ниа	Wang	Electrical and Computer Engineering
					1100		
Student Salary	Command and Data Handling Development for a CubeSat	Lubna	Zubair	Aerospace Engineering (AE)	Marcus	Holzinger	Aerospace Engineering
Travel	Design and Optimization of a Disaggregated Constellation for Space Situational Awareness	Luke	Alexander	Aerospace Engineering (AE)	Marcus	Holzinger	Aerospace Engineering
Traver	Strokes in sickle cell transgenic mice can be reduced with inhibition of JNK mediated proteolytic	Luke	Alexander	Aerospace Engineering (AE)	Warcus	Holzingei	Aerospace Engineering
Travel	fragmentation of elastic lamin	Suhaas	Anbazhakan	Biomedical Engineering (BMED)	Manu	Platt	Biomedical Engineering
	Residence Time Distribution Analysis of Size-Dependent Molecular Transport Using Microfluidics						
Travel	for the Optimization of Sentin	Ananyaveena	Anilkumar	Biomedical Engineering (BMED)	Susan	Thomas	Mechanical Engineering
Travel	Efficiency of the CRISPR/Cas9 system in performing site-specific knockout	Samridhi	Banskota	Chemical and Biomolecular Engineering (CHBE)	Gregory	Gibson	Biology
Travel	The role of action context on the neural substrates underlying gesture recognition	Sumia	Basunia	Biology (BIO)	Lewis	Wheaton	Applied Physiology
	Computational Analysis of Clipping Mitral Valve Leaflets with Increasing Papillary Muscle						, , , , , , , , , , , , , , , , , , ,
Travel	Displacement	Sheridan	Carroll	Biomedical Engineering (BMED)	Ajit	Yoganathan	Biomedical Engineering
Travel	Functionalized Electrospun Membrane for Spatial Control of Bone Regeneration	Catherine	Chou	Biomedical Engineering (BMED)	Robert	Guldberg	Mechanical Engineering
	Biomechanical Characterizations of Leukemia and Healthy White Blood Cells to Develop a New						
Travel	Diagnostic Technique	Katherine	Crawford	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering
Travel	Development of a Biocompatible, Peptide-Based CuAAC Catalyst	Lindsay	Dahora	Biochemistry (BCHM)	M.G.	Finn	Chemistry and Biochemistry
	Identifying Uncertainties in Diesel Spray Rate-of-Momentum Transients under Elevated Back						
Travel	Pressure	John	Falcone	Mechanical Engineering (ME)	Caroline	Genzale	Mechanical Engineering
	Using Cardiac Progenitor Cell Derived Exosomes to Improve Cardiac Function Post-Myocardial		-				
Travel	Infarction	Alex	George	Biochemistry (BCHM)	Michael	Davis	Biomedical Engineering
Traval	The Effect of Halogenation of Erythrosine B on Amyloid-Beta 40 Oligomer Aggregation and	Hanburgel	lin	Chemical and Diamalogular Engineering (CHDE)	Found Foon	long	Materials Science and Engineering
Travel	Neurotoxicity in Alzheimer's Disease	Hanbyeol	nı	Chemical and Biomolecular Engineering (CHBE)	Seung Soon	Jang	Materials Science and Engineering
Travel	Leveraging informatics to assess the SOD1 G93A amyotrophic lateral sclerosis mouse model	Renaid	Kim	Biomedical Engineering (BMED)	Cassie	Mitchell	Biomedical Engineering
	Molecular Dynamics Simulation of Lipid Bilalyer Consisting of DPPC and Mppc: Effect of		isoff.		cussic		
Travel	Configuration	Young Kyoung	Kim	Biomedical Engineering (BMED)	Seung Soon	Jang	Materials Science and Engineering
	The Effect of Halogenation of Erythrosine B on Amyloid-Beta 40 Oligomer Aggregation and	0 /				Ť	
Travel	Neurotoxicity in Alzheimer's Disease Usi	Joy	Kim	Biomedical Engineering (BMED)	Seung Soon	Jang	Materials Science and Engineering
Travel	Leveraging informatics to assess the SOD1 G93A amyotrophic lateral sclerosis mouse model	Joseph	Knipe	Industrial Engineering (IE)	Cassie	Mitchell	Biomedical Engineering
Travel	CONTROL OF CENTRIFUGAL INSTABILITY IN VORTEX SURFACE INTERACTION	Vaibhav	Kumar	Aerospace Engineering (AE)	NARAYANAN	KOMERATH	Aerospace Engineering
	Effect of Incorporation of Lysolipid on the Stability of Dipalmitoylphosphatidylcholine Bilayer						
Travel	Membrane: Molecular Dynamics Simulation Approach	Keewon	Lee	Biomedical Engineering (BMED)	Seung Soon	Jang	Materials Science and Engineering
	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy						
Travel Travel	Membrane: Molecular Dynamics Simulation Approach	Keewon Camila	Lee Luppi Sato	Biomedical Engineering (BMED) Mechanical Engineering (ME)	Seung Soon Alexander	Jang Alexeev	Materials Science and Engineering Mechanical Engineering
Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate	Camila	Luppi Sato	Mechanical Engineering (ME)	Alexander	Alexeev	Mechanical Engineering
	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy						
Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys	Camila Marika	Luppi Sato Manuud	Mechanical Engineering (ME) Materials Science and Engineering (MSE)	Alexander Richard	Alexeev Neu	Mechanical Engineering Mechanical Engineering
Travel Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys Expansion of Chondrogenic Cells on Decellularized Extracellular Matrix Derived Microcarriers	Camila Marika Elizabeth	Luppi Sato Manuud Marr	Mechanical Engineering (ME) Materials Science and Engineering (MSE) Biomedical Engineering (BMED)	Alexander Richard Robert	Alexeev Neu Guldberg	Mechanical Engineering Mechanical Engineering Mechanical Engineering
Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys Expansion of Chondrogenic Cells on Decellularized Extracellular Matrix Derived Microcarriers Self-Organizing Structure Formation in High Density Neuronal Human iPSC Cultures	Camila Marika	Luppi Sato Manuud	Mechanical Engineering (ME) Materials Science and Engineering (MSE)	Alexander Richard	Alexeev Neu	Mechanical Engineering Mechanical Engineering
Travel Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys Expansion of Chondrogenic Cells on Decellularized Extracellular Matrix Derived Microcarriers	Camila Marika Elizabeth	Luppi Sato Manuud Marr	Mechanical Engineering (ME) Materials Science and Engineering (MSE) Biomedical Engineering (BMED)	Alexander Richard Robert	Alexeev Neu Guldberg	Mechanical Engineering Mechanical Engineering Mechanical Engineering
Travel Travel Travel Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys Expansion of Chondrogenic Cells on Decellularized Extracellular Matrix Derived Microcarriers Self-Organizing Structure Formation in High Density Neuronal Human IPSC Cultures Using Artificial Neural Networks to Predict Processing-Microstructure Relationships in 7xxx- series Aluminum	Camila Marika Elizabeth William Hayden	Luppi Sato Manuud Marr McAllister McLeod	Mechanical Engineering (ME) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Biomedical Engineering (BMED) Materials Science and Engineering (MSE)	Alexander Richard Robert Todd	Alexeev Neu Guldberg McDevitt Neu	Mechanical Engineering Mechanical Engineering Mechanical Engineering Biomedical Engineering Mechanical Engineering
Travel Travel Travel Travel	Membrane: Molecular Dynamics Simulation Approach Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7050 Aluminum Alloys Expansion of Chondrogenic Cells on Decellularized Extracellular Matrix Derived Microcarriers Self-Organizing Structure Formation in High Density Neuronal Human IPSC Cultures Using Artificial Neural Networks to Predict Processing-Microstructure Relationships in 7xxx-	Camila Marika Elizabeth William	Luppi Sato Manuud Marr McAllister	Mechanical Engineering (ME) Materials Science and Engineering (MSE) Biomedical Engineering (BMED) Biomedical Engineering (BMED)	Alexander Richard Robert Todd Richard	Alexeev Neu Guldberg McDevitt	Mechanical Engineering Mechanical Engineering Mechanical Engineering Biomedical Engineering

	Incorporation of Poly(ethylene-glycol) Based Microparticles with Tunable Size and Degradation						
Travel	into Chondrocytic Cell Aggregates	Brandon	Philbrick	Biomedical Engineering (BMED)	Johnna	Temenoff	Biomedical Engineering
Travel	Optimization And Characterization Of IRPEG For Use In NIR Imaging Of The Lymphatic System	Mindy	Ross	Biochemistry (BCHM)	Brandon	Dixon	Mechanical Engineering
Travel	Carbon nanotubes-mediated reduction of hematite by Shewanella oneidensis MR-1	Kanaha	Shoji	Environmental Engineering (ENVE)	Yuanzhi	Tang	Earth and Atmospheric Sciences
	Toward a new spacecraft optimal design lifetime? Impact of cost of durability and reduced						
Travel	launch cost.	Kailah	Snelgrove	Aerospace Engineering (AE)	Joseph	Saleh	Aerospace Engineering
Travel	Clot Contraction-Mediated Erythrocyte Packing is Significantly Altered in Sickle Cell Disease	Hunter	Strauss	Biomedical Engineering (BMED)	Wilbur	Lam	Biomedical Engineering
Travel	On foreclosure rates and the house price index: A cross-sectional analysis	Shivang	Sullere	Economics (ECON)	Shatakshee	Dhongde	Economics
	Biomechanical characterizations of leukemia and healthy white blood cells to develop a new						
Travel	diagnostic technique:	Cory	Turbyfield	Biomedical Engineering (BMED)	Todd	Sulchek	Mechanical Engineering
Travel	Designing for a Rural Online Learning Community	Aditya	Vishwanath	Computer Science (CS)	Neha	Kumar	Interactive Computing
Travel	Modulation Of The Canonical Wnt Pathway Affects The Morphology Of hiPSC 3D Aggregates	Nicole	Votaw	Biomedical Engineering (BMED)	Melissa	Kemp	Biomedical Engineering
Travel	Probing the Efficacy of Transwells and Spheroids as In Vitro Models of the Blood Brain Barrier	Cole	Weiler	Mechanical Engineering (ME)	YongTae	Kim	Mechanical Engineering
Travel	MuSync: A Smart Glove That Balance Personal Safety and Music Control in Urban Environment	Xueting	Zhang	Industrial Design (ID)	James	Hallam	Industrial Design