SPRING 2014 PURA SALARY & TRAVEL AWARDS

Award Type	Project Title	First Name	Last Name	Major	Mentor First Name	Mentor Last Name	Mentor College	Mentor Department/School
,,	Optimized Smooth Pulses for Ion Trap Quantum			•				
Student Salary	Computers	John	Addison	Physics (PHYS)	Kenneth	Brown	Sciences	Chemistry and Biochemistry
otadent balan,	Radiosensitivity of mammalian cells with prolonged	50	7.44.501.	, 5.65 (1 1115)		5.000	Gorenoes	enemistry and broadcasts,
Student Salary	,	Brian	Anderson	Nuclear Engineering (NE)	Chris	Wang	Engineering	Other
Student Salary	Optimizing gene therapy correction pathways for	Brian	rinderson	Trucicul Engineering (IVE)	Ciris	VVuiig	Lifericering	Other
Ctudont Calany	treatment of sickle cell anemia	Caleb	Appleton	Biomedical Engineering (BMED)	Gang	Bao	Enginooring	Biomedical Engineering
Student Salary	treatment of sickle cell affernia	Caleb	Appleton	Bioinedical Engineering (BiviED)	Garig	Dau	Engineering	Electrical and Computer
Ctudont Coloni	Object Discovery Consises for CCES	Drive	Baiai	Flactrical Engineering (FF)	Dr. John	Canaland	Engineering	
	Object Discovery Services for CCFS	Priya	Bajaj	Electrical Engineering (EE)	Dr. John	Copeland	Engineering	Engineering
Student Salary	Δ7 rrn E. coli cloning by PCR	Amrita	Banerjee	Biochemistry (BCHM)	Loren	Williams	Sciences	Chemistry and Biochemistry
	Spin Extraction Model for			Electrical and Computer	l			Electrical and Computer
Student Salary	Ferromagnet/Insulator/Semiconductor Structure	Alex	Cardwell	Engineering (ECE)	Azad	Naeemi	Engineering	Engineering
	Reduction of Pro-Inflammatory Factors in Human							
Student Salary		Elizabeth	Carpenter	Biomedical Engineering (BMED)	Philip	Santangelo	Engineering	Biomedical Engineering
	Understanding how Expectations Impact Automation							
Student Salary	-	Evelyn	Chang	Psychology (PSY)	Wendy	Rogers	Sciences	Psychology
	Robust Optimization in Power Reduction Scheduling							Industrial and Systems
Student Salary	with Demand Response Strategy	Hongfan	Chen	Industrial Engineering (IE)	Xu (Andy)	Sun	Engineering	Engineering
	Study of Kinematics and Fluid Mechanics behind Prey-							
Student Salary	Capturing Motion of Amphibians	Hyun	Choe	Mechanical Engineering (ME)	David	Hu	Engineering	Mechanical Engineering
•								Industrial and Systems
Student Salary	A Simulation Approach to Coronary Heart Disease	John	Chow	Industrial Engineering (IE)	Turgay	Ayer	Engineering	Engineering
•	Perception of natural whisker and artificial			3 31,	,	,	<u> </u>	
	optogenetic stimulation in the thalamocortical circuit							
Student Salary	of the awake behaving rat	Kasey	Clark	Biomedical Engineering (BMED)	Garrett	Stanley	Engineering	Biomedical Engineering
Student Salary	A Characterization of the Relationship Between	Rusey	Ciark	Biomedical Engineering (Bivieb)	Guirett	Starriey	Liigineering	Diomedical Engineering
	Amyotrophic Lateral Sclerosis and Frontotemporal							
Student Salary		Crant	Coon	Diochomistry (DCHAA)	Cassia	Mitchell	Engineering	Diamodical Engineering
Student Salary	Effects of High-Energy Radiation Exposure of the	Grant	Coan	Biochemistry (BCHM)	Cassie	Mittell	Engineering	Biomedical Engineering
	,							
CL dest Calas	Dielectric and Piezoelectric Response of Relaxor-	A 1 -		NAh: 5:: (NAS)	N	December Character	F	Name to the state of the state
Student Salary	Ferroelectric Single Crystals	Aida	Cortes-Pena	Mechanical Engineering (ME)	Nazanin	Bassiri-Gharb	Engineering	Mechanical Engineering
	Swirl Heat Release Distribution for Liquid Fueled High							
	Shear Swirler Configurations	Katherine	Durden	Aerospace Engineering (AE)	Tim	Lieuwen	Engineering	Aerospace Engineering
Student Salary	Efficacy of Interleukin-4 Protein	Kyle	Dymanus	Biomedical Engineering (BMED)	Ravi	Bellamkonda	Engineering	Biomedical Engineering
	Identification of differences in structural gene							
	expression between soft and stiff human							
	mesenchymal stem cells sorted by a microfluidic							
Student Salary	separation device	Christine	Garcia	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
	Probing the past atmospheric density of Mars: An							
	experimental and field investigation of volcanic			Earth and Atmospheric Sciences				Earth and Atmospheric
Student Salary	impact features.	Andrew	Gase	(EAS)	Josef	Dufek	Sciences	Sciences
Student Salary	Dynamic Fall Absorption in Humanoid Robots	Ravi	Haksar	Mechanical Engineering (ME)	Jun	Ueda	Engineering	Mechanical Engineering
•	A Study on the Thickness of Pore Layers in Porous						_	
	PEEK Samples and Its Effect on Osseointegration and							Materials Science and
Student Salary		Haley	Harris	Biomedical Engineering (BMED)	Kenneth	Gall	Engineering	Engineering
	Framework for Optogenetic Control of Neural Activity	-,		3 2 3 (2)			<u> </u>	5 5
Student Salary	in a Cortical Network Model	William	Hendry	Biomedical Engineering (BMED)	Garrett	Stanley	Engineering	Biomedical Engineering
			, , ,	Electrical and Computer				Electrical and Computer
		1	1	Liceti cai ana compatei	1	1	1	Liceti icai ana compatei

	Surface Modification for Improved Electrochromic	1	1	Materials Science and				
Student Salary	· ·	Keith	Johnson	Engineering (MSE)	John	Reynolds	Sciences	Chemistry and Biochemistry
otuuent Salai y	Non-uniformly Quantized Control of a Robotic Arm	Keitii	301113011	Lingineering (WISE)	John	Reynolds	Sciences	Chemistry and Biochemistry
	· · · · · · · · · · · · · · · · · · ·							
Student Calena	Using SMA Actuators for Generation of Human-Like	Dahas	V-th	NASSESSION FRANCISCO (NAS)	1	l la da	Facinosaino	Nashariaal Engineering
tudent Salary	Motion during Planar Reaching Tasks	Rohan	Katoch	Mechanical Engineering (ME)	Jun	Ueda	Engineering	Mechanical Engineering
	ECONOMIC GROWTH AND POPULAR SUPPORT FOR							
	MARKET- AND STATE-BASED ENVIRONMENTAL	L .	l					
Student Salary	REGULATORY POLICY	Raghav	Kaul	Economics (ECON)	Vicki	Birchfield	Ivan Allen Liberal Arts	International Affairs
	Studying Brain Activity during Optogenetic							
tudent Salary	Stimulation Using Electroencephalography Data	Ankit	Kaushik	Biomedical Engineering (BMED)	Robert	Gross	Engineering	Biomedical Engineering
	F-Actin Arrangement as an Indicator of Stiffness in							
tudent Salary	Undifferentiated hMSCs	Jacob	Kazlow	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
	Exploring Robotic Task Planning and Learning in Lego							
tudent Salary	Assembly	Andrey	Kurenkov	Computer Science (CS)	Andrea	Thomaz	Computing	Computer Science
	Improving the Efficiency of the CRISPR/Cas System							
tudent Salary	and TALENs in Different Cell Types	Ang	Li	Biomedical Engineering (BMED)	Gang	Bao	Engineering	Biomedical Engineering
	Predicting patient-specific osteoporotic potential							
	through analysis of proteolytic and bone- resorbing			Chemical and Biomolecular				
tudent Salary	activity of patient monocyte-derived osteoclasts	Gande	Li	Engineering (CHBE)	Manu	Platt	Engineering	Biomedical Engineering
•	Magnetic Particle Detection of Tongue Movement for			Electrical and Computer				Electrical and Computer
tudent Salary	Speech Recognition	Helen	Li	Engineering (ECE)	David	Anderson	Engineering	Engineering
	Aerodynamic-Dynamic Interaction of Bluff Bodies	Brandon	Liberi	Aerospace Engineering (AE)	Narayanan	Komerath	Engineering	Aerospace Engineering
	<u> </u>			, ,	,		" "	Civil and Environmental
tudent Salary	Wireless Battery-Free Strain/Crack Sensor Project	Jiawei Lin	Lin	Civil Engineering (CE)	Yang	Wang	Engineering	Engineering
tadent baiai y	Efficient Algorithm to Calculate Percolation Threshold	5.0.000		erri Engineering (eE)	1 4.1.6	110.16	Linginicerinig	
tudent Salary	in Conductive Polymer Nanocomposites	Hannah	Littmann	Mechanical Engineering (ME)	Raghu	Pucha	Engineering	Mechanical Engineering
tudent Salary	Manage Heat Stress on Construction Site with	Hamman	Erecinann	ivicendinear Engineering (iviz)	Павна	Tucha	Linginicering	TVICENTINEAR ENGINEERING
tudent Salary	Monitor-Alert Technology	Hoang	Luu	Building Construction (BC)	Xinyi	Song	Architecture	Building Construction
taucht Salary	Characterization of Caffeine Degradation Pathways in	Tioding	Luu	Environmental Engineering	Alliyi	Jong	Architecture	Civil and Environmental
tudont Coloni	Bacteria from Lake Lanier	Gina	Marassa	(ENVE)	Vestes	Konstantinidis	Engineering	
tudent Salary		Gilla	Maresca	(EINVE)	Kostas	Konstantiniuis	Engineering	Engineering
	Optimization of Propeller Efficiency for Minimized							
	Power Consumption in Aircraft Through the Use of				F 2 .	F	F	
tudent Salary	Variable Pitch Propellers	Lloyd	Maza	Aerospace Engineering (AE)	Eric	Feron	Engineering	Aerospace Engineering
	The Influence of the Creole Tradition on the Works of			International Affairs and Modern				
tudent Salary	Simone Schwarz-Bart	Michelle	Melear	Language (IAML)	Nora	Cottille-Foley	Ivan Allen Liberal Arts	Modern Languages
	Novel Strategy for Paclitaxel Cancer Therapy using		l					
tudent Salary	Superparamagnetic Iron Oxide Nanoparticle Carriers	Priya	Mohindra	Biomedical Engineering (BMED)	Gang	Bao	Engineering	Biomedical Engineering
_	Characterization of LNA probes for intracellular post-	l .						
tudent Salary	transcriptional regulation towards therapeutic aims	Kathryn	Murray	Biomedical Engineering (BMED)	Philip	Santangelo	Engineering	Biomedical Engineering
				Materials Science and				Materials Science and
tudent Salary	NaIC Batteries: towards cheap energy storage	Georges	Nassif	Engineering (MSE)	Gleb	Yushin	Engineering	Engineering
	Do Peroxisomes Interact with Phagosomes in							
	Do i croxisomes interact with i hagosomes in		1	1	Melissa	Kemp	Engineering	Biomedical Engineering
tudent Salary	Macrophages?	Tatiana	Netterfield	Biomedical Engineering (BMED)	ivielissa	1101116		
tudent Salary	_		Netterfield	Biomedical Engineering (BMED)	IVIEIISSA	The state of the s		
,	Macrophages?		Netterfield Oh	Mechanical Engineering (BMED)	Kyriaki	Kalaitzidou	Engineering	Mechanical Engineering
tudent Salary	Macrophages? Processing and Characterization of Exfoliated Graphite Nanoplatelets/Polylactide Fibers			9 9 7		·		Mechanical Engineering Biomedical Engineering
tudent Salary	Macrophages? Processing and Characterization of Exfoliated Graphite	Yun Ju	Oh	Mechanical Engineering (ME)	Kyriaki	Kalaitzidou	Engineering Engineering	
tudent Salary	Macrophages? Processing and Characterization of Exfoliated Graphite Nanoplatelets/Polylactide Fibers Veering Behavior of Haptically Linked Human Dyads Creation of Transgenic Constructs for Selective	Yun Ju	Oh	Mechanical Engineering (ME)	Kyriaki	Kalaitzidou		
tudent Salary tudent Salary	Macrophages? Processing and Characterization of Exfoliated Graphite Nanoplatelets/Polylactide Fibers Veering Behavior of Haptically Linked Human Dyads Creation of Transgenic Constructs for Selective Ablation of Pancreatic Cells and Chemical Screening	Yun Ju Tyler	Oh Piccinni-Ash	Mechanical Engineering (ME) Biomedical Engineering (BMED)	Kyriaki Lena	Kalaitzidou Ting	Engineering	Biomedical Engineering
tudent Salary tudent Salary	Macrophages? Processing and Characterization of Exfoliated Graphite Nanoplatelets/Polylactide Fibers Veering Behavior of Haptically Linked Human Dyads Creation of Transgenic Constructs for Selective	Yun Ju	Oh	Mechanical Engineering (ME)	Kyriaki	Kalaitzidou		

	Study of the electrical and mechanical properties of	1	1		1			Materials Science and
Student Salary	3D printed structures using conductive ABS plastic	Waylon	Puckett	Mechanical Engineering (ME)	Rosario	Gerhardt	Engineering	Engineering
Student Salary	Probing Cell Mechanics to Overcome Ovarian Cancer	vvayion	ruckett	Chemical and Biomolecular	INOSATIO	Gernarut	Liigineering	Chemical and Biomolecular
Ctudent Calany	Chemoresistance	Xiaomeng	Qi	Engineering (CHBE)	Michelle	Dawson	Engineering	Engineering
	Analyss of Melanoma Sentinel Lymph Nodes	Rahul		Biomedical Engineering (BMED)	Susan	Thomas	Engineering	Mechanical Engineering
Student Salary	Effect of Precuing on Preparation and Selection of	Kanui	Rege	Biomedical Engineering (BIMED)	Susaii	IIIOIIIas	Engineering	Wechanical Engineering
Student Salary	Motor Responses	Heather	Roberts	Psychology (PSY)	Eric	Schumacher	Sciences	Psychology
Student Salary	Examination of the Effects of Cysteine Proteases	rieatriei	Roberts	rsychology (F31)	LIIC	Schamacher	Sciences	Fsychology
	Cathepsin K, S and V in HIV-transgenic/							
	Apolipoprotein E null mice to Provide Insight on the							
	Human Immunodeficiency Virus and the Promotion of							
Student Salary	Atherosclerosis in Humans	LaDeidra	Roberts	Biomedical Engineering (BMED)	Manu	Platt	Engineering	Biomedical Engineering
Student Salary	Enhancing our Understanding of Self-Verification	Labelula	Roberts	Biomedical Engineering (BIMED)	Ividitu	riatt	Eligilieerilig	Bioinedical Engineering
	Striving, Job Interviews, and the Transition from							
Ctudoot Colony		lacaualina	Cample	Managament (MCT)	Charles	Darcons	Dusinoss	Managament
Student Salary	College to Work	Jacqueline	Sample	Management (MGT)	Charles	Parsons	Business	Management
Student Salami	Latent Gesture: Active User Authentication through	Dromkumar	Caravanan	Computer Science (CS)	Duon Horng "Polo"	Chau	Computing	Computer Science
Student Salary	Background Touch Analysis Orthotic Ankle Constraint Elicits Different Activation	Premkumar	Sqiqyqiiqii	Computer Science (CS)	Duen Horng "Polo"	Cildu	Computing	Computer Science
CL dest Calas	Pattern in Distal Muscles Compared to Proximal	N - C	Ch - 11 h	Disconding Englanding (DAMED)	Charles a hara	u	C - :	A cultival Discrete (ADDII)
Student Salary		Nafiz	Sheikh	Biomedical Engineering (BMED)	Christopher	Hovorka	Sciences	Applied Physiology (APPH)
CL dest Calas	A Study in Nanoparticles to Deliver Cancer Treatments		6	Chemical and Biomolecular		Cl	F	Chemical and Biomolecular
Student Salary	using a Layer-by-Layer Technique	Christina	Siegrist	Engineering (CHBE)	Julie	Champion	Engineering	Engineering
	Pteropod Swimming Behavior as a Bio Assay for			Environmental Engineering				Civil and Environmental
Student Salary	Ocean Acidification	Anna	Skipper	(ENVE)	Donald	Webster	Engineering	Engineering
	Quantitative Evaluation of Articular Cartilage Changes							
	in a Rat Model of Osteoarthritis in Response to a							
Student Salary	Novel Therapeutic Approach	Sanjay	Sridaran	Biomedical Engineering (BMED)	Robert	Guldberg	Engineering	Mechanical Engineering
	The Effect of Protein Nanoparticles on Immune							
	Response and Route of Antigen Internalization in							Chemical and Biomolecular
Student Salary	Dendritic Cells	Samantha	Stadmiller	Biochemistry (BCHM)	Julie	Champion	Engineering	Engineering
	Pre-stimulus activity of memory encoding in healthy							
	aging older adults	Sindhuja	Surapaneni	Psychology (PSY)	Audrey	Duarte	Sciences	Psychology
Student Salary	Tongue Magnet Interface	Pavleen	Thukral	Computer Science (CS)	Thad	Starner	Computing	Computer Science
				Electrical and Computer				Electrical and Computer
Student Salary	Investigating Efficient Inverted Top-Emitting OLEDs	Jonathan	Ting	Engineering (ECE)	Bernard	Kippelen	Engineering	Engineering
								Industrial and Systems
Student Salary	Modeling Specialized Nutritious Foods Supply Chains	Moorissa	Tjokro	Industrial Engineering (IE)	Dima	Nazzal	Engineering	Engineering
	Enhanced Infrared Molecular Sensing via Localized			l			1	1
	Surface Plasmon Resonances in Silicon-doped			Chemical and Biomolecular				Chemical and Biomolecular
Student Salary		Emily	Tucker	Engineering (CHBE)	Michael	Filler	Engineering	Engineering
	Rigorous Calculations of Permeation in Mixed-Matrix			Chemical and Biomolecular			1	Chemical and Biomolecular
Student Salary		Robert	VanDyck	Engineering (CHBE)	Sankar	Nair	Engineering	Engineering
Student Salary	Self-Adjusting Temperament	Yijie	Wang	Computer Science (CS)	Timothy	Hsu	Architecture	Music
	Effects of biofilm production on horizontal gene							
Student Salary	transfer to Vibrio cholerae	Sarah	Wilson	Biology (BIO)	Brian	Hammer	Sciences	Biology
	A Bayesian Methodology of NCAA Basketball Bracket							Industrial and Systems
Student Salary	Prediction Improvement	Haoxiang	Yang	Industrial Engineering (IE)	Joel	Sokol	Engineering	Engineering
	Effect of Variable Lymphocyte Receptor Protein							
Student Salary	Valency on Antibody-Antigen Agglutination	Varun	Yarabarla	Biomedical Engineering (BMED)	Todd	Sulchek	Engineering	Mechanical Engineering
	Investigations on advanced airfoil and rotors for use in							
Student Salary	small wind turbine systems	Yao	Zhang	Aerospace Engineering (AE)	Lakshmi	Sankar	Engineering	Aerospace Engineering

	TNFα and Shear Stress Regulation of Cathepsin K							
Travel	activity in the context of Sickle Cell Disease	Suhaas	Anbazhakan	Biomedical Engineering (BMED)	Manu	Platt	Engineering	Biomedical Engineering
	Reflection through Design: Immigrant Women's Self-							
Travel	Reflection on Managing Health and Wellness	Victoria	Ayo	Computational Media (CM)	Rebecca	Grinter	Computing	Interactive Computing
								Electrical and Computer
Travel	RFID Powered Event Analytics	Priya	Bajaj	Electrical Engineering (EE)	Gregory	Durgin	Engineering	Engineering
								Electrical and Computer
Travel	RFID Powered Event Analytics	Colin	Bookman	Computer Engineering (CMPE)	Gregory	Durgin	Engineering	Engineering
	Habits of the Engineering Mind: A Study Abroad							
Travel	Course at Oxford	Jacquelyn	Borinski	Biomedical Engineering (BMED)	Joseph	Le Doux	Engineering	Biomedical Engineering
								Electrical and Computer
Travel	RFID Powered Event Analytics	Jordan	Conard	Computer Engineering (CMPE)	Greg	Durgin	Engineering	Engineering
	Software in military aviation and drone mishaps:							
Travel	Analysis and recommendations	Veronica	Foreman	Aerospace Engineering (AE)	Joseph	Saleh	Engineering	Aerospace Engineering
	Mapping the Way: Testing Methods to Map Water							Civil and Environmental
Travel	Points in Developing Countries	Alexandra	George	Civil Engineering (CE)	Laura	Kovalchick	Engineering	Engineering
Travel	Habits of the Engineering Mind	Kimberly	Haight	Biomedical Engineering (BMED)	Joe	Le Doux	Engineering	Biomedical Engineering
	Isotropic negative thermal expansion in rock salt							
	ordered mixed metal fluorides M(II)ZrF6 (M(II)=Ca, Co,							
Travel	Zn) with a ReO3-type structure	Justin	Hancock	Chemistry (CHEM)	Angus	Wilkinson	Sciences	Chemistry and Biochemistry
								Electrical and Computer
Travel	RFID Powered Event Analytics	Sarthak	Jaiswal	Computer Engineering (CMPE)	Gregory	Durgin	Engineering	Engineering
	Conformational and thermodynamic study of amyloid							
	beta 40 proto-fibril structure in explicit water using							Materials Science and
Travel	molecular modeling approach	Juho	Lee	Chemistry (CHEM)	Seung Soon	Jang	Engineering	Engineering
L .	Assessing the Role of the Rare Biosphere in Microbial	l		Environmental Engineering	l			Civil and Environmental
Travel	Community Response to Environmental Perturbation	Gina	Maresca	(ENVE)	Kostas	Konstantinidis	Engineering	Engineering
L .	Habits of the Engineering Mind: A Study Abroad	L						
Travel	Course at Oxford	Elaine	McCormick	Biomedical Engineering (BMED)	Joe	Le Doux	Engineering	Biomedical Engineering
T	A Random Forest Method for Real-Time Price			Electrical and Computer	T	11-1-11-	F	Electrical and Computer
Travel	Forecasting in New York Electricity Market	Jie	Mei	Engineering (ECE)	Thomas	Habetler	Engineering	Engineering
	Controlling Degradation and Protein Release in							
Tanad	Heparin-containing Hydrogels with Varying Levels of	IZ = makin i i .	Nathan	Diama dia La Francia de dia a (DNAED)	lahana	T	Fasiassias	Diamedical Facinessias
Travel	Sulfation	Karthik	Nathan	Biomedical Engineering (BMED)	Johnna	Temenoff	Engineering	Biomedical Engineering
Travel	RFID Powered Event Analytics	Caleb	Purcell	Computer Engineering (CMARE)	Gragory	Durgin	Enginooring	Electrical and Computer
iiavei	Goal Orientation and Absorption of Unique	Caleb	ruiceii	Computer Engineering (CMPE)	Gregory	Durgin	Engineering	Engineering
Travel	Information in Teams	Sidni	Vaughn	Psychology (PSY)	Leslie	DeChurch	Sciences	Psychology
Traver	Protease Feedback Mechanism in Breast Cancer	Siuiii	Vaugiiii	rsychology (F31)	Lesile	Decharch	Sciences	Psychology
Travel	Metastasis	Charlene	Walton	Biomedical Engineering (BMED)	Manu	Platt	Engineering	Biomedical Engineering
iiavei	IVICLASIASIS	Charlene	vvaituii	Environmental Engineering (BIVIED)	iviallu	ridit	Liigineering	Materials Science and
Travel	HYDROGEN EMBRITTLEMENT IN THREE BAR STEELS	Gaoxiang	Wu	(RENV)	Preet	Singh	Engineering	Engineering
11UVCI	Stretchable and Transparent Silicone/Zinc Oxide	Juoniang		Materials Science and	11000	Jiligii	LIIGHICCIIIIG	Materials Science and
Travel	'	Xueving	Zhao		Ching-Ping	Wong	Engineering	
Travel	Nanocomposite for Advanced LED Packaging	Xueying	Zhao	Engineering (MSE)	Ching-Ping	Wong	Engineering	Engineering