## Summer 2011 President's Undergraduate Research Award (PURA)

	Τ		Mentor		Funding
Award School	Student Name	Student Major	Name	Paper Title	Туре
College of Architecture					
			Castro-	Project Delivery, BIM, and Green Practices in the French	
School of Building Construction	Rogers, Angela	Building Construction	Lacouture,	Construction Industry: Lessons Learned for the U.S.	Salary
College of Engineering					
		Aerospace			
Aerospace Engineering	Holmes, Marlin	Engineering	Smith,Marilyn J	Analysis of Aerodynamic/Dynamic Interactions	Salary
		Aerospace			
Aerospace Engineering	Sandwich, Christopher	Engineering	Smith,Marilyn J	Role of Transition with Stall	Salary
		Aerospace	Lieuwen,Timoth	Effect of Fuel Composition on Flame Behavior for Gas Turbine	
Aerospace Engineering	Smith, Travis	Engineering	y Charles	Applications	Salary
		Aerospace	Clarke,John-	Green Innovation in Air Transportation: The Continuous	
Aerospace Engineering	Wong, Lawrence	Engineering	Paul B	Descent Arrival	Salary
		Chemical and		Study of Shear Induced Blood Damage in a Bileaflet	
Biomedical Engr, GT/Emory	Bandari, Sahaja	Biomolecular	Yoganathan,Ajit	Mechanical Heart Valve using Blood Coagulation Assays	Salary
		Biomedical	Stanley,Garrett		
Biomedical Engr, GT/Emory	Bari, Bilal	Engineering	Baker	Detectability of Neural Electrical Stimulation in Behaving Rats	Salary
			Olivares-	Wnt Signaling Pathways in Osseointegration with Titanium	
Biomedical Engr, GT/Emory	Cundiff, Caitlin	Biology	Navarrete,Rene'	Implants	Salary
		Biomedical		Language Pathway Homologues in Chimpanzees	
Biomedical Engr, GT/Emory	Damen, Frederick	Engineering	Hu,Xiaoping	Reconstructed Using Diffusion Tractography	Travel
		Biomedical	Bost,Lewis	Designing an Ultrasound Guided Needle for Central Venous	
Biomedical Engr, GT/Emory	Foo, Andrew	Engineering	Franklin	Catheterization	Salary
		Biomedical	Zarnitsyna,	Two different kinetic regimes in T cell antagonism: TCR	
Biomedical Engr, GT/Emory	Gleber, Ryan	Engineering	Veronika	limiation and MHC limitation	Salary
			Boyan,Barbara	Effects of 17beta-Estradiol on Expression of Metastatic Factors	
Biomedical Engr, GT/Emory	Hadadi, Agreen	Biology	D	in Breast Cancer	Salary
		Biomedical	Babensee, Julia		
Biomedical Engr, GT/Emory	Lamas, Gabriela	Engineering	Elizabeth	Babensee Lab	Salary
		Aerospace	Babensee, Julia	Immunological Tolerance Induced by the Primary Delivery of	
Biomedical Engr, GT/Emory	Mukherjee , Gargi	Engineering	Elizabeth	Agarose Scaffold with OVA-Expressing Cells	Salary
	Mukhopadhaya,	Biomedical	Bellamkonda,Ra	Developing Scaffolds with 3-d fiber configurations for	
Biomedical Engr, GT/Emory	Shoumit	Engineering	vi Venkat	peripheral nerve regeneration	Salary
		Biomedical	Mitchell, Cassie	An assessment of axonal transport deficiencies in Amyotrophic	
Biomedical Engr, GT/Emory	Orticelli, Alexa	Engineering	Sue	Lateral Sclerosis	Salary
	· ·	Biomedical		Characterization of Stress Granules in Bovine and Mouse	
Biomedical Engr, GT/Emory	Vanover, Daryll	Engineering	p J	Tissues Infected with Respiratory Syncytial Virus	Salary
	, - ,	Biomedical	Boyan,Barbara	Assessing the Effects Growth Factors Secreted By	, 
Biomedical Engr, GT/Emory	Watkins, Elyse	Engineering	D	Microencapsulated Adipose Stem Cells Have on Cartilage	Salary

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		Chemical and		Selective Deprotection of Organic Compounds Using Very Hot	
Chemical and Biomolecular Engr	Andrews, James	Biomolecular	Eckert,Charles A		Salary
		Chemical and			, i
Chemical and Biomolecular Engr	Belancik, Grace	Biomolecular	Walton,Krista S	Microwave-Assisted Synthesis of Water-Stable MOFs	Salary
	· ·	Chemical and			,
Chemical and Biomolecular Engr	Donaldson, Jordan	Biomolecular	Eckert,Charles A	Carbon Dioxide Capture via Aqueous Silylated Amine Solutions	Salary
		Chemical and		Management of Calcium Carbonate Scale in a Pulp Mill	, i
Chemical and Biomolecular Engr	Fitzgerald, Rachel	Biomolecular	Banerjee,Sujit	Digester	Salary
		Chemical and	Dawson, Michell		, i
Chemical and Biomolecular Engr	Kuo, Che-Ying	Biomolecular	e R	The Development of Gelatin Scaffolds for Tissue Engineering	Salary
		Civil and	Kurtis, Kimberly	Development and Characterization of Autogenous Self-Healing	· ·
Civil & Environmental Engr	McKay, Mitchell	Environmental	E	Concrete Utilizing Novel Cement Binder Compositions	Salary
		Civil and	Garrow,Laurie	Developing Policies to Reduce Emission Failures:	,
Civil & Environmental Engr	Wall, Amanda	Environmental	Anne		Salary
		Chemical and	Vela,Patricio		,
Electrical & Computer Engr	Kale, Sameer	Biomolecular	Antonio	Using the Kinect for Automating Manipulation Tasks	Salary
-	,	Biomedical	Rozell,Christoph	Implementation of Sparse Learning Algorithms on Multi-core	,
Electrical & Computer Engr	Vishwakarma, Dhruv	Engineering	er John	CPUs and GPUs	Salary
	,	Industrial and		Evaluation of Telemedicine for Screening of Diabetic	,
Industrial & Systems Engr	Sisson, Jennifer	Systems Engineering	Serban,Nicoleta	-	Salary
	,	Polymer, Textile, and		Recycling of Waste Polytetrafluoroethylene Fiber as	,
Materials Science & Engr	Alexander, Jeremy	Fiber Engineering	Yao,Donggang	Polypropylene Composite Filler	Salary
		Biomedical	Jang,Seung		,
Materials Science & Engr	Bandzar, Sean	Engineering	Soon	Nano-Mechanical Investigation of DNA Self-Assembly	Salary
		Nuclear and	Gerhardt, Rosari	Conductivity and Transmission Studies of Graphene Thin Films	,
Materials Science & Engr	Marchese, Matthew	Radiological	οA	Prepared from Exfoliated Carbon Nanotubes (CNTs), Highly	Salary
	,	Materials Science and	Beckham, Haske		,
Materials Science & Engr	Metcalf, Daniel	Engineering	ll w	Nanofluidic Transport in Inorganic Nanotubes	Salary
	,	Mechanical			,
Mechanical Engineering	Cruz, Camille	Engineering	Hu,David L	Mechanics of Lactation	Salary
		Biomedical	Dixon, James	Development of a near infrared (NIR) imaging system and	
Mechanical Engineering	Daugherty, Taylor	Engineering	Brandon	image processing techniques for analysis of lymphatic	Salary
6 6 6		Chemical and		A Novel Microfluidic Device for Generation of Janus Particles	,
Mechanical Engineering	Goli, Venkat	Biomolecular	Sulchek,Todd A	of Sub-Micron Size	Salary
		Mechanical	,		<u> </u>
Mechanical Engineering	Henegar, Caitlin	Engineering	Sulchek,Todd A	Investigation of mechanical properties of metastatic cells	Salary
		Mechanical	Pucha,Raghura	Computational Tools for Engineered Polymer Nano-	, 
Mechanical Engineering	Modi, Akhil	Engineering	m V	composites	Salary
	,	0 0		Performance of Tourmaline Hydrophones at Low and Mid	,
Mechanical Engineering	Morales, Juan	Mechanical Engineerir	Hastings Mardi (	· ·	Travel

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		Biomedical		Encapsulation of Islet Cells Within Poly(vinyl alcohol) (PVA)	
Mechanical Engineering	Natarajan, Aswin	Engineering	Ku,David N	Cryogels for Treatment of Diabetes (Medical Devices)	Salary
		Biomedical		Using Atomic Force Microscopy to Study the Biomechanics and	
Mechanical Engineering	Patel, Karan	Engineering	Sulchek,Todd A	Biophysics of Cancer Cells	Salary
		Mechanical			
Mechanical Engineering	Yamada, Yasukuni	Engineering	Hu, David L	Mechanism of Splash-Cup Seed Dispersal	Salary
College of Science					
		Biomedical		[Poster] Permutations of short sRNA segments for sRNA-	
Biology	Jain, Kanav	Engineering	Wartell,Roger M	mRNA interaction study	Travel
		Biomedical	Montoya, Josep	Stable carbon and nitrogen isotope analysis of baleen in	
Biology	Tsai, Ludmila	Engineering	h P.	Northern Right Whales	Salary
			Brown,Kenneth	Measuring Quantum Entanglement Coherence in Planar Ion	
Chemistry & Biochemistry	Nichols, Charles	Physics	Ray	Traps	Salary
		Chemistry and	Lieberman,Raqu	Crystal Structure of 5-Nitroantrhanilic Acid Deaminase	
Chemistry & Biochemistry	Rives, James	Biochemistry	el L	Determination	Salary
		Chemistry and		Stabilization and Isolation of a bis(Aminophenol)	
Chemistry & Biochemistry	Uribe, Omar	Biochemistry	Soper,Jake D	Manganese(III) Complex O2 Adduct	Salary
		Earth and		Measuring present-day rates of strain accumulation along the	
Earth & Atmospheric Sciences	Johnson, Christopher	Atmospheric Sciences	Frankel,Kurt L	Fish Lake Valley fault system, Pacific-North America plate	Salary
		Chemistry and	Taillefert,Marti	Precipitation of Uranium Phosphate Minerals Through	
Earth & Atmospheric Sciences	Tomaszewski, Elizabeth	Biochemistry	al	Microbial Hydrolysis of Natural Organophosphates as a New	Salary
	Marchenkova,		Kuzmich,Alexan		
Physics	Anastasia	Physics	der M	Long-lived, Interacting Neutral Atom Quantum Memories	Salary
			Goldman,Daniel		
Physics	Masse, Andrew	Physics	I	Vertical position control of a bioinspired sand-swimming robot	Salary
			Shoemaker,	Determining the Template Space of Black Hole Collisions with	
Physics	Meeks, Zachary	Physics	Deirdre Marie	Precessing Spins for Advanced Gravitational Wave Detectors	Salary
Ivan Allen College					
		History, Technology,	Bauchspies, We	Cultural and Institutional Obstacles to Greater Participation of	
History, Technology & Society	Rule, Robert	and Society	nda K	Women in Computer Science and Chemistry	Salary
	,	1	-	Didacticism through Immersion in Science Fiction Interactive	- ,
Literature,Com & Culture (LCC)	Zaitsev, Paul	Computational Media	Yaszek,Lisa	-	Salary
	, -		,	The Efficacy of Science & Technology as Engagement in US	,
Public Policy	Edwards, Austen	Public Policy	Barke,Richard P	,	Salary