

**President's Undergraduate Research Awards (PURA) Summer 2009**

<b>Mentor School</b>	<b>Student Name</b>	<b>Student Major</b>	<b>Mentor Name</b>	<b>Project Title</b>	<b>Funding Type</b>
<b>College of Architecture</b>					
COA	Kaye, Olivia	ARCH	Castro-Lacouture, Daniel	Exploring alternative energies used in buildings specifically in Paris, France and in other countries in Western Europe	Salary
COA	Milhose, Blackili	Math	Khan, Sabir	A comparative analysis of the demands met by institutionally provisioned public space versus public space accessed spontaneously or held communally in two cities, Barcelona and Atlanta.	Salary
<b>College of Computing</b>					
CSS	Heiskell, Benjamin	CS	Gavrilovska Habl, Ada	Benchmarking VM Scheduling Policies of a Cuda Application	Salary
IC	East, Caitlin	CHBE	Arriaga, Rosa I	Detecting Autism in Infants and Toddlers	Salary
IC	Israeli, Amichai	CM	Jackson, Melody Moore	Using BMI for Creative Expression	Salary
IC	Moore, Joshua	CS	Rehg, James Matthew	Categorical Affordance Learning for a Robot Platform	Salary
<b>College of Engineering</b>					
BME	Abrahamson, Joseph	BME	Hu, Xiaoping	Investigation of acupuncture by rtfMRI with whole-brain state classification	Salary
BME	Bentley, John	BME	Bellamkonda, Ravi Venkat	Electrospun Fiber Films without Guidance Channels to Promote Endogenous Peripheral Nerve Repair	Salary
BME	Davis, Christopher	Psych	Potter, Steven M	A New Fluorescence Imaging Procedure for the Study of Dynamic Neuronal-Glial Interactions	Salary
BME	Hammersmith, Katy	CHBE	McDevitt, Todd C	Gelatin Microparticle Absorption and Delivery of Embryonic Stem Cell Biomolecules	Salary
BME	Nemani, Shalini	BME	Bellamkonda, Ravi Venkat	Targeting in vitro glioblastoma stem cells with antibody conjugated liposomes	Salary
BME	Song, Rosemary	BME	Boyan, Barbara D	Nanostructure at Bone/Cell Material Interface	Salary
BME	Vander Wood, Blake	BME	DeWeerth, Stephen P	Selective stimulation: Mapping the optical recording of neuronal activity onto their electrical recordings	Salary
BME	Xu, He	BME	Babensee, Julia Elizabeth	Carbohydrate Microarrays for High-Throughput Analysis of Dendritic Cell-Glycan Interactions	Salary

**President's Undergraduate Research Awards (PURA) Summer 2009**

<b>Mentor School</b>	<b>Student Name</b>	<b>Student Major</b>	<b>Mentor Name</b>	<b>Project Title</b>	<b>Funding Type</b>
CHBE	Copeland, Dorothy	CHBE	Bommarius,Andreas S	Biocatalysis for Potential Pharmaceutical Intermediates Production: Development and Characterization of	Salary
CHBE	Perez, Carolina	CHBE	Bommarius,Andreas S	Stability in Organic Solvents of Thermostable PGA Mutants	Salary
CHBE	Ricketts, Michael	CHM/BCHM	Bommarius,Andreas S	Improving Enzyme Thermostability For Use in Antibiotic Synthesis	Salary
ECE	Coogan, Samuel	ECE	Egerstedt,Magnus	Control Strategies for Networked Multi-Agent Robot Systems	Salary
ECE	Goel, Rohan	ECE	Lim,Sung-Kyu	"Performance of Microfluidic Channels V/s Thermal Vias in Effective Heat Dissipation in 3D Integrated Circuits"	Salary
Health Sys Inst	Staskevicius, Alina	ISYE	Cowan,David Zachary	Design of a Sterile Cockpit	Salary
ISYE	Song, Jaewook	ISYE	Griffin,Paul M	HIV Testing Policy analyzed from Cost-effectiveness of Screening for HIV	Salary
MSE	Guthrie, James	MSE	Alamgir,Faisal M	Layer-by-layer atomic deposition via displacement electroless reactions.	Salary
MSE	Kajdos, Adam	MSE	Yushin,Gleb	Formation of High Surface Area Porous Carbon by Low Pressure Chemical Vapor Deposition	Salary
ME	Bartlett, Kent	ME	Kalaitzidou,Kyriaki	Development and Characterization of Graphite Polypropylene Nanocomposites for use in the Automotive Industry	Salary
ME	Kim, Byung Kyu	BME	Sulchek,Todd A	Mechanical Diagnostics of Ovarian Cancer	Salary
ME	Kulpe, Jason	ME	Leamy,Michael Joseph	Acoustic Absorption of Tubular Structures with Surface Roughness	Salary
ME	Sethi, Kavneet	ME	Pucha,Raghuram V	Applications and Modeling of DNA Functionalized Carbon Nanotubes Using NanoCAD Tools	Salary
ME	Shenoda, Daniel	ME	Forest,Craig R	High Throughput Automation of Fluorescence In-Situ Hybridization (FISH)	Salary
ME	Stanford, Ashley	ME	Kalaitzidou,Kyriaki	Experimental Testing of Specific Properties of Polymer Nanocomposites	Salary
ME	Tseng, Vanessa	ME	Kalaitzidou,Kyriaki	Multifunctional Polymer Nanocomposites With Enhanced Properties	Salary

**President's Undergraduate Research Awards (PURA) Summer 2009**

<b>Mentor School</b>	<b>Student Name</b>	<b>Student Major</b>	<b>Mentor Name</b>	<b>Project Title</b>	<b>Funding Type</b>
<b>College of Sciences</b>					
AP	Earnest, Jason	AP	Wheaton,Lewis A	Coherence in brain networks used in perception	Salary
BIOL	Chen, Shen	BIOL	Sobecky,Patricia A	The role of environmental stress for evolution of Vibrio parahaemolyticus quorum sensing	Salary
BIOL	Mankin, Danielle	BIOL	Weissburg,Marc J	Chemosensory appendages and blue crab reaction to attractive and aversive odors	Salary
BIOL	Namer, Jacquelyn	BIOL	Yen,Jeanette	Identification of Polistes adhesive proteins	Salary
BIOL	Reynolds, Abigail	BIOL	Duffy,Meghan Anne	Seasonal Dynamics of Zooplankton in small fishless ponds of the Congaree	Salary
BIOL	Sutter, Denise	BIOL	Kubanek,Julia M	Discovering a Biological Control for the Red Tide Using a Competitor Phytoplankton Species	Salary
CHEM/BCH M	Hsieh, Steve	CHEM/BCH M	Lieberman,Raquel L	Generation of a Streptavidin Dimer for Complexation with and Crystallization of Biotinylated Membrane Proteins	Salary
CHEM/BCH M	Kovalenko, Boris	CHEM/BCH M	France,Stefan Anthony	Optimization of Norzoanthamine Synthesis for Examination of its Osteoporitic Properties	Salary
EAS	Crespo, Heather	EAS	Cobb,Kim M	Comparison of Sr/Ca Ratios in Modern and Fossil Corals from the Tropical Pacific	Salary
EAS	Dean, Colin	EAS	Taillefert,Martial	Soluble Fe(III) and the formation of sedimentary pyrite	Salary
Physics	Naylor, Dave	Physics	Kuzmich,Alexander M	Towards Laser Excitation of a Nucleus: Precision Spectroscopy of Forbidden Transitions in Triply Ionized Thorium	Salary
Physics	Seim, Caitlyn	ECE	Sowell,James R	Telescopic Research in Visual Binary Stars	Salary
Psych	Alverson, William	Psych	Corballis,Paul M	Perceptual and Cognitive Consequences of Deep Brain Stimulation for Treatment Resistant Depression	Salary
Psych	Geldbach, Kaitlin	Psych	Rogers,Wendy A	User Interactions with Everyday Technologies: Prior Knowledge and Age Differences	Salary
Psych	Starling, Robert	Psych	Corballis,Paul M	Investigating the Differential Processing of Faces	Salary
Psych	Worden, Kendell	Psych	Blanchard-Fields,Fredda	Exploring Age Differences in the Costs of Emotion Regulation	Salary

**President's Undergraduate Research Awards (PURA) Summer 2009**

<b>Mentor School</b>	<b>Student Name</b>	<b>Student Major</b>	<b>Mentor Name</b>	<b>Project Title</b>	<b>Funding Type</b>
<b>Ivan Allen College</b>					
ECON	Guan, Erjia (Joy)	ECON	Ries,Christine P.	Modeling and Application of Swarm Theory to Economic Principles	Salary
HTS	Christopher, Todd	HTS	Flamming,Douglas	Technological Innovations in the Origins and Development of the Electric Guitar	Salary
INTA	Crews, Alyssa	INTA	Birchfield,Vicki L	Human Trafficking in the European Union	Salary
INTA	Jafar, Shehzin	INTA	Benger,Karolyn R	Terrorism stemming from Islamic Fundamentalism: What are the causes and how can we prevent them?	Salary
INTA	Weiss, Adam	LCC	Garver,John W	Modeling the Correlations and Relationships between Globalization, Modernization, and Overpopulation and how they pertain to World Poverty	Salary
<b>GTRI</b>					
GTRI Electro-Optics	Barta, Meredith	MSE	Nadler,Jason Hayes	Nanophosphor Gamma Ray Scintillators	Salary