

2010 Research Opportunity Seed Fund Awards

PI	College (dept)	Co-PIs	College (dept)	Title	Budget Approved
Liu, Chen	COM (Pathology)	Y. Charles Cao	CLAS (Chemistry)	Nanozyme-Mediated RNA Degradation as a Novel Therapy for Viral Diseases and Cancer	\$ 90,000
Davenport, Paul	VET MED (Physiological Sciences)	Paul Reier	COM (Neuroscience)	Pre-Clinical Study of a Combined Treatment Strategy to Promote Respiratory Improvement Following Spinal Cord Injury	\$ 90,000
		Nadeem Shafi	COM (Pediatrics)		
		Dena Howland	COM (Neuroscience)		
		Michael Lane	COM (Neuroscience)		
		David Fuller	PHHP (Physical Therapy)		
Gu, Liwei	IFAS (Food Science and Human Nutrition)	Kevin Powers	PERC	Using Food-based Self-assembled Nanoparticles as Carriers to Enhance the Stability and Absorption of Bioactive Flavonoids	\$ 75,800
		Jesse Gregory	IFAS (Food Science and Human Nutrition)		
		Christopher Batich	ENG (MSE & BME)		
Wang, Gary	COM (Medicine)	Clay Walker	Dentistry (Oral Biology) & IFAS (Microbiology and Cell Science)	Human Oral Microbiome in HIV/AIDS	\$ 80,000
Hsu, Stephen	COM (Medicine)	Hartmut Derendorf	COP (Pharmaceutics)	Intravaginal Delivery of Novel Tumoricidal Penetratin-Tagged Small Decoy Peptides Using Thermosensitive and Mucoadhesive Biopolymers as an Efficacious and Alternative Treatment for Cervical Cancer	\$ 85,000
		Guenther Hochhaus	COP (Pharmaceutics)		
		Christopher Batich	COE (BME & MSE)		
Tan, Weihong	CLAS (Chemistry)	Jacob Jones	COE (MSE)	Solar Energy Harvesting Using Photo-Driven Molecular Nano-Motor Assembly	\$ 85,000
		Jiangeng Xue	COE (MSE)		
Fernandez-Funez, Pedro	COM (Neurology)	Lauren McIntyre	COM (MGM)	Molecular Mechanisms of Neurodegeneration	\$ 85,000
		Henry Baker	COM (MGM)		
		Casella, George	CLAS (Statistics)		
Tatem, Andrew	CLAS (Geography)	Marco Salemi	COM (Pathology)	Development of a Phylogeographic Framework to Investigate the Origin and Spread of Cholera Pandemics	\$ 88,000
		Judith Johnson	COM (Pathology)		

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Xie, Huikai	COE (ECE)	Huabei Jiang	COE (BME)	Development of Integrated Multi-Modality Optical Imaging Systems for Noninvasive in vivo Cancer Diagnosis and Real-Time Imaging-Guided Surgery	\$ 90,000
		Stephen Grobmyer	COM (Surgery)		
		Michael Jantz	COM (Medicine)		
		Li-Ming Su	COM (Urology)		
Eric Triplett	IFAS (Microbiology)	Mark Atkinson	COM (Pathology)	The Defining Characteristics of the Autoimmune Microbiome: Microbial Connections to the Development of Autoimmunity for Type 1 Diabetes in Children	\$ 80,000
		George Casella	CLAS (Statistics)		
		Claudio Gonzalez	IFAS (Microbiology and Cell Science)		
		Howard Johnson	IFAS (Microbiology and Cell Science)		
		Joseph Larkin	IFAS (Microbiology and Cell Science)		
		Graciela Lorca	IFAS (Microbiology and Cell Science)		
		Josef Neu	COM (Pediatrics)		
		Desmond Schatz	COM (Pediatrics)		
Bialosky, Joel	PHHP (Physical Therapy)	Michael Robinson	PHHP (Clinical and Health Psychology)	Placebo Mechanisms in Manual Therapy for the Treatment of Individuals with Low Back Pain	\$ 85,146
		Roland Staud	COM (Medicine)		
		Donald Price	Dentistry (Oral and Maxillofacial Surgery)		
Max Teplitski	IFAS (Soil and Water Science)	Tony Romeo	IFAS (Microbiology and Cell Science)	Characterization of novel mechanisms of bacterial post-transcriptional regulation in a model symbiosis	\$ 85,000
		Mengsheng Gu	IFAS (Soil and Water Sciences)		
Bolch, Wesley	COE (NRE)	Rowan Milner	VET MED (Small Animal)	Preclinical Development of Polymer-Mediated Radionuclide Therapies in a Canine Model for Targeting Metastatic Cancer	\$ 85,000
		Chris Batich	ENG (MSE)		
		Kenneth Wagener	CLAS (Chemistry)		
		William Slayton	COM (Pediatrics)		
		Clifford Berry	VET MED (Small Animal)		
Mueller, Paul	CLAS (Geology)	Doug Jones	FLMNH	Integrating Optical Emission and Isotope Ratio Measurements During Laser Ablation	\$ 85,066
		D. Foster	CLAS (Geology)		
		J. Krigbaum	CLAS (Anthropology)		

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		B. MacFadden	FLMNH		
		W. Keegan	FLMNH		
		W. Marquardt	FLMNH		
		K. Walker	FLMNH		
		K. Bjorndahl	CLAS (Biology)		
		E. Martin	CLAS (Geology)		
		M. Perfit	CLAS (Geology)		
Sanchez, Justin C.	COM (Pediatrics)	Lorie G. Richards	PHHP (Occupational Therapy)	A Brain-Computer Interface for Stroke Rehabilitation	\$ 75,000
		Jose C. Principe	COE (ECE)		
Harfe, Brian	COM (MGM)	Keith Choe	CLAS (Biology)	Characterization of the TMEM16 family of Ca ²⁺ -activated Cl ⁻ channels using the <i>C. elegans</i> and mouse model systems	\$ 86,804
Kane, Andrew	PHHP (Environmental and Global Health)	Jason Blackburn	CLAS (Geography)	Epidemiology and Environmental Reservoirs of Mycobacteria in Florida	\$ 85,610
		Judith Johnson	COM (Pathology)		
		Michael Lauzardo	COM (Pulmonary Medicine)		
		Youliang Qiu	CLAS (Geography)		
		Kelly Rice	IFAS (Microbiology and Cell Science)		