

2007 Presidential Research Initiative Awards

Principal Investigators, Depts	Title	Total Project Costs
Baowei Fei , <i>Radiology UH</i> Clemens Burda , <i>Chemistry</i>	<i>IN VIVO</i> IMAGING FOR NANOPARTICLE-BASED CANCER THERAPY	\$75,000
Brian Gran , <i>Sociology</i> Jessie Hill , <i>Law</i>	LAW'S INTERVENTION INTO PRIVATE DOMAINS ON BEHALF OF MINORS	\$60,790
Nicholas Greco , <i>Hematology/Oncology UH</i> Timothy Kern , <i>Endocrinology UH</i>	AMELIORATION OF TYPE 1, INSULIN-DEPENDENT DIABETIC COMPLICATIONS BY UMBILICAL CORD BLOOD-DERIVED ADULT CD133+STEM CELLS	\$75,000
Sanjay Gupta , <i>Urology UH</i> Narasingarao Sreenath , <i>Electrical Eng & Com Sci</i> Kenneth Loparo , <i>Electrical Eng & Com Sci</i>	PROGNOSTIC SIGNIFICANCE OF NF- κ B AND Akt IN PROSTATE CANCER--A SYSTEMS BIOLOGY APPROACH	\$75,000
Christopher Hernandez , <i>Mechanical & Aerospace Eng</i> Ezequiel Cassinelli , <i>Orthopaedics UH</i>	AN <i>IN VIVO</i> MODEL OF DAMAGE AND REPAIR OF CANCELLOUS BONE	\$75,000
Behnam Malakooti , <i>Electrical Eng & Com Sci</i> Susanne Mohr , <i>Medicine</i> Steve Previs , <i>Nutrition</i>	MATHEMATICAL MODELING FOR INDIVIDUALIZED PREDICTION, MEDICATION, AND GENETICS MAPPING OF DISEASES	\$75,000
Sonia Minnes , <i>General Medical Science</i> Jean Tkach , <i>Radiology UH</i> Olivier Salvado , <i>Radiology UH</i>	THE DEVELOPMENT OF FUNCTIONAL NEUROIMAGING METHODS FOR THE STUDY OF PRENATAL COCAINE EXPOSURE ON BRAIN DEVELOPMENT	\$57,475
Stuart Rowan , <i>Macromolecular Science & Eng</i> Vikas Prakash , <i>Mechanical & Aerospace Eng</i>	MOLECULAR-BASED NANOMECHANICAL ACTUATORS: TOWARDS THE NEXT GENERATION OF NANO-DEVICES	\$75,000
Daniel Scherson , <i>Chemistry</i> Gary Chottiner , <i>Physics</i> Frank Ernst , <i>Materials Science & Eng</i>	SCANNING PROBE MICROSCOPY STUDIES OF Pt CLUSTERS FOR FUEL CELL ELECTRODES	\$74,539
Anirban Sen Gupta , <i>Biomedical Eng</i> Keith McCrae , <i>Hematology/Oncology UH</i> Wan-Ming Zhang , <i>Hematology/Oncology UH</i>	HEMOSTATICALLY ACTIVE LIPOSOMES AS SYNTHETIC PLATELET SUBSTITUTES	\$75,000
Saba Valadkhan , <i>RNA Center</i> Alex Jamieson , <i>Macromolecular Sci & Eng</i>	STRUCTURAL CHARACTERIZATION OF A NOVEL MINIMAL SPLICEOSOME	\$75,000
Xinmiao Zhang , <i>Electrical Eng & Com Sci</i> Jason Sohn , <i>Radiation Oncology UH</i> Massood Tabib-Azar , <i>Electrical Eng & Com Sci</i>	DEVELOPING IMPLANTABLE WIRELESS MICRO RADIATION DOSIMETERS USING NANO-TECHNOLOGY	\$75,000