

REPORT OF PROPOSALS

For the Month of January/2005

<u>Department</u>	<u>Investigator</u>	<u>Sponsor</u>	<u>Title</u>	<u>Amount</u>
BIOLOGY & BIOTECHNOLOGY	Politz, S. M.	NIH	Genetic Control of Nematode Surface Antigen Switching	\$ 222,000
	Overstrom, E. W. *Arguello, J. M. *Pins, G.	NSF	Acquisition of a Confocal 2 Photon Microscope Imaging System	\$ 590,695
	BIOMEDICAL ENG'G	Billiar, K. L.	American Heart Association	Mechanical Regulation of Valvular Interstitial Cell Activation
	Billiar, K. L.	American Heart Association	Mechanical Regulation of Valvular Interstitial Cell Activation (AHA Northeast Affiliate Scientific Development Grant)	\$ 195,000
	Billiar, K. L.	NIH	Mechanical regulation of Valvular Interstitial Cell Activation (NIH R15 AREA Grant)	\$ 207,226
	Pins, G.	NIH	Designing Microfabricated Basal Lamina Analogs to Enhance Skin Regeneration	\$ 204,548
CHEMICAL ENG'G	Thompson, R. W. *Bergendahl, J. A.	NSF	NanoZeolite Aggregates for Water Remediation Applications	\$ 736,980
	Thompson, R. W. *Kazantzis, N. *Wilcox, J.	NSF	Designer Adsorbents for Water Remediation Applications	\$ 473,159

	Camesano, T. A.	GlycoGenesys	Biopolymer Characterization (GCS-100)	\$ 31,016
	Dixon, A. G.	ACS-PRF	Connecting Catalytic Chemistry to External Particle	\$ 119,906
	Datta, R. *Pryputniewicz, R. *Paddison, S. *Martin, C.	DOE	Fundamental Considerations in the Design of Higher Temperature Polymer Electrolyte Membranes and Catalyst Membrane Interface	\$ 1,654,990
CIVIL & ENVIRONMENTAL ENG'G	Plummer, J. D. *Bergendahl, J. *Mathisen, P.	NSF	MRI: Acquisition of Instrumentation for Water Quality Monitoring and Control Research	\$ 444,400
COMPUTER SCIENCE	Rundensteiner, E.	NSF	Collaborative Research: Universal Update Services for Heterogeneous Protein Databases	\$ 419,467
ELECTRICAL & COMPUTER ENG'G	Lou, W.	NSF	NeTS-NOSS: Lightweight and Resilient Mechanisms to Secure Wireless Sensor Networks	\$ 302,860
	Clancy, Ted	NIH	Analysis of Multiple Motor Units Using Surface Arrays	\$ 3,118,471
	Pedersen, P. C. *Duckworth, R. J.	Army	Development and Testing of Wireless Wearable Ultrasound Scanner	\$ 213,993
MATHEMATICAL SCIENCES	Tang, D.	Washington Univ. (NIH)	Assessing Plaque Vulnerability with MRI and Biomechanics	\$ 112,440
	Lui, R.	UMMS (NIH)	Dynamics of Actin in Normal and Transformed Cells	\$ 118,457
MECHANICAL ENG'G.	Johari, H.	Office of Naval Research	Separation Control by Surface Deformable Actuators	\$ 192,000

	Apelian, D. *Makhlouf, M.	ATI	High Performance Die Casting Alloys	\$ 240,000
OTHER	Carre-Looft, L.	Mass. Tech Collaborative (Comm. of Mass.)	Hydrogen and Fuel Cell Summit	\$ 2,500
	*CPI		Total	\$ 9,860,108