

Rowan University

I1: Research

Final Summary of Grant Activity in Fiscal Year 2007				
COLLEGE	DEPT	PI	TITLE	SPONSOR
Business	Center for Innovation & Entrepreneurship	Mark Weaver	NJIT Business Acceleration Program	New Jersey Institute of Technology
Business	Center for Innovation & Entrepreneurship	Peter Jamieson	High Technology Business Incubator Grant 2007	NJ Commission on Science & Technology
Communication	Writing Arts	Diane Penrod	National Writing Project	US Department of Education
Education	Education Institute	Ronald Butcher	NJ Consortium for Middle School Teacher Preparation	U.S. Department of Education
Education	Health & Exercise	Francie Pagell	Rebel-U	Lindsey Meyer Teen Institute
Education	Teacher Education	Jill Perry	Improving Teacher Quality Partnership/Rowan/Camden Math Partnership	NJ Department of Education
Engineering	Chemical	Robert Hesketh	External Fixed-Bed Absorption System	Novartis Pharmaceuticals
Engineering	Chemical	Stephanie Farrell	Asphaltene Absorbance Test for FCC Catalyst	Sunoco
Engineering	Chemical	Brian Lefebvre	Illustrating Bioseparations Using Colorful Proteins	National Science Foundation
Engineering	Chemical	Stewart Slater	Workshop on Green Engineering and Sustainability in the Pharmaceutical Industry	US EPA Region 3
Engineering	Chemical	Stewart Slater	Advancing P2 Pharmaceutical Manufacturing	US EPA Region 2
Engineering	Chemical	Brian Lefebvre	External Fixed-Bed Absorption System	Novartis Pharmaceuticals
Engineering	Civil & Environmental	Yusuf Mehta	Development of a Pavement Catalog for the state of New Jersey using the Mechanistic-Empirical Pavement Design Guide	NJ Department of Transportation
Engineering	Civil & Environmental	Beena Sukumaran	Investigation of the performance of flexible pavement systems under moving loads using finite element analyses	Federal Aviation Administration
Engineering	Civil & Environmental	Yusuf Mehta	Analysis of Fatal Accidents	NJ Department of Transportation
Engineering	Civil & Environmental	Yusuf Mehta	Identification of Source of Rutting in a Flexible Pavement System	University Transportation Research Center
Engineering	Civil & Environmental	William Riddell	Measurement and Reduction of On-Campus Student Greenhouse Gas Footprint	New Jersey Institute of Technology
Engineering	Civil & Environmental	Douglas Cleary	Analysis of Applicant Data to Improve Recruitment of Female Engineering Students	Engineering Information Foundation
Engineering	Civil & Environmental	Jess Everett	Internship Program and Staff Workshop	NJ DEP Bureau of Dam Safety and Flood Control
Engineering	Electrical & Computer	Robert Krchnavek	Columbia Center for Electronic Transport in Molecular Nanostructures	National Science Foundation
Engineering	Electrical & Computer	Gina Tang	A sustainable solution for discarded electronics	Lindbergh Foundation
Engineering	Electrical & Computer	Peter Jansson	Calorimetric Replication of BLP H-Ar-Sr Plasma Experiments	Blacklight Power, Inc.
Engineering	Electrical & Computer	Shreekanth Mandayam	ISHM Visualization Interfaces Subject Matter Expert	NASA
Engineering	Electrical & Computer	Robert Krchnavek	Columbia Center for Electron Transport in Molecular Nanostructures	Columbia University

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Engineering	Electrical & Computer	Gina Tang	A Collaborative Proposal to Integrate System-on-Chip Concepts in Two Year Engineering Science and Four Year ECE Curricula	National Science Foundation
Engineering	Electrical & Computer	Krishan Bhatia	Demonstration of Biodiesel/ULSD Blends in Airport Ground Support Equipment	US EPA
Engineering	Electrical & Computer	Robi Polikar	Novel ERP Analysis Approaches for Early Diagnosis of Alzheimer's Disease	Neuronetrix, Inc.
Engineering	Mechanical	John Chen	Thermomechanical Fatigue Testing	Naval Surface Warfare Center (NAVSEA)
Engineering	Mechanical	Eric Constans	Interaction between Pediatric Occupants & Restraint Systems during Frontal Impacts: A novel approach to measure head & spinal kinematics & determine Resulting injury mechanisms	Children's Hospital of Philadelphia
Engineering	Mechanical	Anthony Marchese	Evaluation of Emissions & Performance of NJ Transit Diesel Locomotives with B20 Biodiesel Blends: Static & Mobile Testing	NJ Department of Environmental Protection
Engineering	Mechanical	John Chen	Development of an Advanced Emergency Locator Transmitter for General Aviation	NJ Department of Transportation
Engineering	Mechanical	John Chen	International Planning Visit to China for Collaboration in Fracture Mechanics Research and Engineering Education	National Science Foundation
Engineering	Mechanical	Eric Constans	Interaction between Pediatric Occupants & Restraint Systems during Frontal Impacts: A novel approach to measure head & spinal kinematics & determine Resulting injury mechanisms	Children's Hospital of Philadelphia
Liberal Arts & Sciences	Biology	Courtney Richmond	Further studies and expansion of an ecological model for predicting the impacts of environmental stressors on Johnson's seagrass, <i>Halophila johnsonii</i>	Florida Fish & Wildlife Conservation Commission
Liberal Arts & Sciences	Center for Addiction Studies	Linda Jeffrey	NJ Consortium Alcohol Social Norms and Party Drugs Resource Centers Project	NJ Department of Human Services
Liberal Arts & Sciences	Center for Addiction Studies	Pamela Negro	College Summit on Underage Drinking	NJ Alcoholic Beverage Control Board
Liberal Arts & Sciences	Computer Science	Andrea Lobo	Towards an open source	Virginia Tech: CREU Program
Liberal Arts & Sciences	History	Chima Korieh	Rescuing Eastern Nigerian History: Preserving the Holding of Enugu and Calabar Regional Archives	British Library
Liberal Arts & Sciences	Mathematics	Eric Milou	South Jersey Math/Science Partnership	NJ Department of Education
Liberal Arts & Sciences	Physics & Astronomy	Hong Ling	The Physics of the Coupled Atomic-Molecular Condensate System	National Science Foundation
Liberal Arts & Sciences	Physics & Astronomy	Hong Ling	The Physics of Coupled Atomic-Molecular Condensate Systems	US Army
Liberal Arts & Sciences	Physics & Astronomy	Michael Lim	Characterization and Control of Electron Dynamics in Ultracold Plasmas	National Science Foundation
Liberal Arts & Sciences	Physics & Astronomy	Michael Lim	NIST Summer Undergraduate Research Fellowship	National Institute of Standards/Boulder
Liberal Arts & Sciences	Psychology	Mary Louise Kerwin	CRAFT Behavior Therapy Phase 2 Study	National Institute for Drug Abuse
Office of the Provost	Camden Campus	Eric Clark	CHAMP/COLLEGE BOUND	NJ Commission Higher Education
Office of the Provost	Camden Campus	Eric Clark	CHAMP/GEAR UP	NJ Commission Higher Education

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Office of the Provost	Camden Campus	Jacqueline McCafferty	Mobile Language Lab for Technology Enhanced ESL Instruction	NJ Commission on Higher Education
SJ Technology Park	Tech Park	Anthony Marchese	South Jersey Tech Park	US Small Business Administration
SJ Technology Park	Tech Park	Anthony Marchese	Development of a technology Business Incubator at the South Jersey Technology Park at Rowan University	US Small Business Administration

Source: Office of Grants and Sponsored Research, FY07 Grant Report (Awarded & Addtl. Funding) (06/30/07)

I.2 Community Service in Fiscal Year 2008

Education

Reading Enrichment Program at Tri-County Head Start, Glassboro
Mentoring at Glassboro Child Development Center
J. Harvey Rodgers School Tutoring Program
March for babies Mother's Gift Baskets March of Dimes
Unity Day
Glassboro Boys and Girls Club
Junior Achievement Teaching Program @ Kindle Elementary
Operation Backpack

Economic

Habitat for Humanity - Gloucester County Chapter - Project Re-Store
Abilities Center of Southern NJ - Holiday Drive
Manna Soup Kitchen - Philadelphia, PA
Cans Across the Pit Food Drive
United Way of Gloucester County Food Drive

Environmental

Alternative Spring Break - Mason Neck State Park - Virginia
Campus Clean & Green (October & April)
Post House Planting project

Health

American Red Cross Sickle Cell and Anemia Education
South Jersey Food Bank "One Big Table"
March for Babies Walk
Red Cross Blood Drive (4)
South Jersey AIDS Coalition "Adopt a Family" - Thanksgiving, Christmas
Relay for Life - American Cancer Society
America's Second Harvest "One Big Table"
SJ Aids Coalition children's coat drive
Cell phone drive - March of Dimes
Can Tab Donations for Ronald McDonald House
Parent Baskets for Neonatal Center at Kennedy Hospital
Alternative Winter Break: Camp boggy Creek:
Diabetes
Alternative Winter Break: Camp boggy Creek: Spina
Bifida
Monthly Programs at:
*Post House Senior Center, Glassboro
*Sterling Assisted Living Center, Deptford
Planet Hope Prom: Gown Collection

Recreational

Glassboro Senior Citizen's Christmas Tea
Together Shelter Cookout & Funplex
Ronald McDonald House Dinner & Activities
Haunted Student Center
bowling at Sterling House

Rowan University

R&D Expenditures: Year 2007	
	Amount (\$)
Federally Financed Academic R7D Expenditures	3,100,000
Institutionally financed Academic R&D Expenditures	49,000
Total Academic R&D Expenditures	4,772,000

Source: M. McCall, Grants Accounting (09/02/08)

Note: Dollar amount as reported to the National Science Foundation (NSF) on Form #411. (Survey of Research & Development Expenditures at Colleges and Universities).