

Montclair State University
The Office of Research and Sponsored Programs

ANNUAL REPORT FISCAL YEAR 2009
External Proposals Submitted/Awards Received

August 20, 2009

The Office of Research and Sponsored Programs

Laurie Treleven, Director
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MONTCLAIR STATE UNIVERSITY
The Office of Research and Sponsored Programs

ANNUAL REPORT ON EXTERNAL FUNDING

PROPOSALS SUBMITTED AND AWARD NOTIFICATIONS RECEIVED
 JULY 1, 2008 - JUNE 30, 2009

Proposals					
College/School	FY 05	FY 06	FY 07	FY 08	FY09
Administration & Student Services (ADMIN & STUDENT SVCS)	\$212,000	\$281,600	\$814,876	\$464,809	\$2,126,718
College of the Arts (CART)	\$237,209	\$976,854	\$361,025	\$285,305	\$402,337
College of Education and Human Services (CEHS)	\$7,754,590	\$4,072,635	\$6,098,173	\$5,551,688	\$5,126,617
College of Humanities and Social Sciences (CHSS)	\$2,146,898	\$2,206,611	\$7,038,316	\$2,915,284	\$3,690,179
College of Science & Mathematics (CSAM)	\$11,732,999	\$15,790,236	\$12,973,100	\$11,668,532	\$29,732,692
School of Business (SBUS)	\$0	\$0	\$113,795	\$0	\$16,942
Totals	\$22,083,696	\$23,327,936	\$27,399,285	\$20,885,618	\$41,095,485

Awards					
College/School	FY 05	FY 06	FY 07	FY 08	FY09
Administration & Student Services (ADMIN & STUDENT SVCS)	\$16,500	\$225,900	\$33,200	\$115,918	\$73,000
College of the Arts (CART)	\$58,884	\$108,900	\$81,000	\$104,478	\$167,340
College of Education and Human Services (CEHS)	\$2,368,218	\$2,519,946	\$2,394,407	\$740,707	\$2,022,860
College of Humanities and Social Sciences (CHSS)	\$234,202	\$563,282	\$1,000,688	\$3,133,548	\$1,137,734
College of Science & Mathematics (CSAM)	\$1,521,782	\$2,118,194	\$3,905,434	\$2,493,001	\$4,111,542
School of Business (SBUS)	\$0	\$0	\$0	\$0	\$0
Totals	\$4,199,586	\$5,536,222	\$7,414,729	\$6,587,652	\$7,512,476

Annual Report Proposals

Proposals submitted from 7 /1/2008 to 6 /30/2009

School	Department	Lead Faculty	Title	Sponsor	Start Date	End Date	Total Amount
ADMINISTRATIVE & STUDENT SERVICES							
Center for Academic Advising and Adult Learning							
		Straker-Banks, Allyson	*Return to Earn	NJ Commission on Higher Education	5/30/2009	5/30/2010	\$66,376
Center for Career Services & Community Based Learning							
		Henry, Mary Beth	The Effect of Cooperative Education on Student Civic Development and Well-Being	Cooperative Education Internship Association	1/1/2009	12/31/2009	\$3,000
Fire Safety							
		Ferrara, Robert	DHS Assistance to Firefighters Grant Program - Fire Prevention & Safety Grants	Federal Emergency Management Agency (FEMA)	3/6/2009	2/28/2010	\$403,720
Global Education							
		Cunningham, Marina	Contemplating China's Past and Future: A Festival of Chinese Arts and Humanities	NJ Council for the Humanities	1/1/2010	4/30/2010	\$10,000
Health Promotion							
		Cascarano, Marie	Utilizing a Multidisciplinary Approach: Montclair Alcohol Prevention Project	US Department of Education	7/1/2009	6/30/2011	\$276,576
Library Services							
		Lin-Hunt, Judith	Harry Partch Papers at Montclair State University	National Endowment for the Humanities	6/1/2010	12/31/2010	\$40,541
Student Academic Services							
		Straker-Banks, Allyson	*Children United We Stand Higher Project (Recovery Act Local Youth Mentoring Initiative FY 2009)	US Department of Justice	7/1/2009	6/30/2013	\$499,389
University Police							
		Cell, Paul	*The Montclair State University Community Oriented Policing Strategy	US DOJ - Community Oriented Policing Services	7/1/2009	6/30/2012	\$670,491
		Cell, Paul	*The University Police Emergency Procedures Training Program	US Department of Justice	8/1/2009	7/31/2011	\$156,625
Total for ADMIN & STUDENT SVCS							\$2,126,718

* Denotes proposal submitted for American Recovery & Reinvestment Act (ARRA) funding

School	Department	Lead Faculty	Title	Sponsor	Start Date	End Date	Total Amount
CART							
Art & Design							
		Friedman, Roberta	Chinese Film Festival	National Endowment for the Arts	1/15/2010	5/30/2010	\$32,000
		Pemberton, Anthony	Film Forum Spring 2009	Essex County Local Arts Grant Program	1/20/2009	5/15/2009	\$5,000
Art Galleries							
		Rodriguez, Teresa	New Jersey American Masterpieces Program: Andy Warhol: Through a Glass Starkly, FY 2010	NJ State Council for the Arts	9/8 /2009	12/12/2009	\$96,919
		Rodriguez, Teresa	General Program Support, FY2009	NJ State Council for the Arts	7/1/2008	6/30/2009	\$14,817
		Rodriguez, Teresa	Building Audience Participation, FY2010	NJ State Council for the Arts	7/1/2009	6/30/2010	\$16,460
		Rodriguez, Teresa	The Enduring Art of China	National Endowment for the Arts	3/5/2010	4/10/2010	\$35,000
		Rodriguez, Teresa	General Programming Support, FY2010	NJ State Council for the Arts	7/1/2009	6/30/2010	\$25,243
Arts and Cultural Programming							
		Wheeler, Jedediah	General Programming Support, FY2009	NJ State Council for the Arts	7/1/2008	6/30/2009	\$37,523
		Wheeler, Jedediah	General Programming Support, FY2010	NJ State Council for the Arts	7/1/2009	6/30/2010	\$50,000
The John J. Cali School of Music							
		Aldridge, Robert	Murieta: Tales of El Dorado	National Endowment for the Arts	9/30/2008	11/30/2010	\$40,750
		Aldridge, Robert	Rochberg Quartet No. 3	National Endowment for the Arts	9/1/2009	8/31/2010	\$39,200
		Aldridge, Robert	Gala Opening of Leshowitz Hall – Notice of Intent	NJ State Council for the Arts	6/30/2009	7/31/2010	\$9,425
Total for CART							\$402,337
CEHS							
Center of Pedagogy							
		Hopper, Cheryl	Intel Math Professional Development Program	NJ Department of Education	6/22/2008	1/31/2009	\$105,290
		Robinson, Jennifer	Traders to Teachers: An Alternative Route Program to Prepare New Mathematics Teachers for New Jersey	US Department of Education	9/1/2009	8/31/2014	\$2,033,462
		Robinson, Jennifer	Congressionally-directed Award for The New Teacher Pipeline Project, FY2009	US Department of Education	7/1/2009	6/30/2010	\$190,000
		Williamson, Barice	NJ Future Educators Association Conference	The College of New Jersey (NJ Department of Education)	5/15/2009	5/15/2009	\$8,371
Counseling, Human Development & Educational Leadership							
		Bulkley, Katrina	Portfolio Management Approaches to School District Governance and Responsiveness to Research and Evidence	Teachers College - Columbia University (William T. Grant Foundation)	1/1/2010	12/31/2011	\$65,456
		Hayes, Kecia	Enhancing the Educational Experiences of Incarcerated Youth - Letter of Intent	William T. Grant Foundation	6/1/2009	5/31/2010	\$25,000

School	Department	Lead Faculty	Title	Sponsor	Start Date	End Date	Total Amount
Counseling, Human Development & Educational Leadership							
		Heller Levitt, Dana	Outcomes Based Assessment: A Proposed Model for New Standards	Council for Accreditation of Counseling and Related Educational Programs	2/1/2009	1/31/2010	\$1,338
		McCotter, Suzanne	A Model of Professional Learning Communities for School Leaders (Year 2)	NJ Department of Education	5/1/2009	8/31/2010	\$112,903
Curriculum & Teaching							
		Walencik, Vincent	Math and Science Partnership Program	Stevens Institute of Technology (NJ Department of Education)	7/1/2008	6/30/2009	\$20,098
Early Childhood, Elementary Education & Literacy Education							
		Erwin, Elizabeth	Building Foundations for Self-Determination in Young Children with Disabilities	Institute of Education Sciences	7/1/2009	6/30/2012	\$223,154
		Freedson-Gonzalez, Margaret	Dual Language Learner Staffing Study	Rutgers University-National Institute for Early Education (Pew Charitable Trust)	9/1/2009	8/31/2010	\$27,742
Educational Foundations							
		Gregory, Maughn	IAPC Archives Preservation Project	National Endowment for the Humanities	1/10/2010	1/15/2011	\$5,970
		Gregory, Maughn	IAPC/ICT Archives Integrated Access Project	National Endowment for the Humanities	7/1/2009	6/30/2011	\$344,849
		Kennedy, David	Teaching Mathematics through Critical Dialogue	National Institutes of Health	9/30/2009	9/30/2011	\$240,262
Exercise Science and Physical Education							
		Grant-Ford, Marsha	Comparison of Impact Normative Data on Two Athlete Groups with Divergent Profiles	Eastern Athletic Trainers' Association	5/15/2009	1/31/2011	\$7,281
		Middlemas, David	Evaluating the Effectiveness of Using Gaming Technology in Athletic Injury Rehabilitation: Is It Valid and How Does It Affect Patient Compliance with Rehabilitation Programs?	Robert Wood Johnson Foundation	9/1/2009	8/31/2011	\$294,415
Family and Child Studies							
		Gager, Constance	Effect of Marital Discord on Adult Children - SUPPLEMENT	National Institutes of Health	9/1/2009	12/31/2010	\$24,705
		Goldstein, Sarah	Neighborhood Influences on Youth Violence in the Transition from Local Elementary Schools to Centralized Middle School	Rutgers University-Newark (Center for Disease Control & Prevention)	9/1/2009	8/31/2012	\$176,404
		Stewart, Pearl	Understanding and Meeting the Needs of First Generation College Students	Suder Foundation	5/15/2009	10/30/2009	\$10,000
		Urban, Jennifer	A Phase II of the Systems Evaluation Protocol for Assessing and Improving Stem Education Evaluation	Cornell University (National Science Foundation)	8/1/2009	7/31/2013	\$303,390
Health & Nutrition Sciences							
		Birnbaum, Amanda	Developing a Tailored Obesity Prevention Intervention for African-American Mother-Daughter Dyads	University of North Carolina-Greensboro (National Institutes of Health)	10/1/2009	9/30/2011	\$243,237
		Kaelin, Mark	Epidemiology and the Energy Balance Equation - Supplement	National Institutes of Health	9/1/2009	8/31/2011	\$199,786

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Health & Nutrition Sciences							
		Mahadevan, Meena	Social Network Factors Influencing Food Behaviors, Diet Quality, and BMI of African American HIV-Positive Female Substance Abusers	National Institutes of Health	9/1/2009	8/31/2011	\$283,504
		Wunderlich, Shahla	MSU Nutrition and Wellness Project (Year 6)	Hudson County Office on Aging	1/1/2009	12/31/2009	\$180,000
Total for CEHS							\$5,126,617
CHSS							
Anthropology							
		Rothstein, Frances	RUI: Globalization, Gender, Social Networks and the New Migration from Mexico	National Science Foundation	5/14/2009	5/13/2010	\$46,316
Center for Child Advocacy							
		Esquilin, Susan	Evidence Based School Linked Prevention Services	NJ Department of Children and Families	11/1/2008	6/30/2010	\$309,000
Center for Heritage and Archaeological Studies							
		Halperin, Rhoda Renner, Timothy	Houses and Concepts of Home: Place and Belonging in a Global World	NJ Council for the Humanities	11/20/2008	5/20/2009	\$9,999
Communication Sciences and Disorders							
		Eisenberg, Sarita	A Domain-Referenced Strategy for Differentiating Children With and Without Language Impairment	National Institutes of Health	6/1/2009	5/31/2011	\$366,644
English							
		Hollander, Ron	Clyde Kennard and the Integration of the University of Southern Mississippi	National Endowment for the Humanities	4/1/2009	3/31/2010	\$5,000
Justice Studies							
		Connolly, Norma	Court Appointed Special Advocates Grant	Court Appointed Special Advocates of New Jersey	11/1/2007	5/31/2008	\$2,099
Linguistics							
		Call, Mary	Upgrading English Support Services for Education of Language Minority Students at Montclair State University	NJ Commission on Higher Education	7/1/2009	6/30/2009	\$104,995
		Call, Mary	ELMS Conference Contract 2008-2010	NJ Commission on Higher Education	6/6/2008	6/30/2010	\$21,400
		Feldman, Anna	Automatic Detection of Idiomatic Expressions: A Pilot Study	National Science Foundation	7/1/2009	6/30/2010	\$95,557
		Feldman, Anna	Resource-light Morphosyntactic Tagging of Morphologically Complex Languages	National Science Foundation	9/1/2009	8/31/2012	\$220,660
		Feldman, Anna	NAACL-HLT2009 Workshop on Computational Approaches to Linguistic Creativity	National Science Foundation	3/1/2009	7/1/2009	\$20,656
		Feldman, Anna	Arabic Learner Corpora: Collection, Tools, and Applications (ALC-CTA)	US Department of Education	9/1/2009	8/31/2012	\$553,310
		Fitzpatrick, Eileen	Discourse Structure Annotation of Legal Texts	Complyon Inc.	8/1/2008	12/31/2008	\$18,619
		Wei, Longxing	Confucius Institute at MSU	Chinese Consulate General	9/1/2008	7/31/2011	\$416,513

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Political Science and Law							
		Spanakos, Anthony	Why Violence Does and Does Not Emerge in Developing Countries	US Department of Defense	12/19/2008	12/19/2013	\$488,384
Psychology							
		Dickinson, Jason	Collaborative Research: The Impact of Cuing and Comfort Drawing on the Eyewitness Testimony of Behaviorally Inhibited and Uninhibited Children	National Science Foundation	8/1/2009	7/31/2011	\$76,677
		Lakusta, Laura	Infants' Representations of Sources and Goals in Events	National Institutes of Health	7/1/2010	6/30/2013	\$201,696
		Sessa, Valerie	Campus Change for Learning	Association of American Colleges & Universities	2/1/2009	6/30/2010	\$10,000
		Vietze, Peter	Protective Parental Factors in College Drinking	National Institutes of Health/National Institute on Alcohol Abuse and Alcoholism	10/1/2009	9/30/2011	\$722,654
Total for CHSS							\$3,690,179
CSAM							
Biology/Molecular Biology							
		Bologna, Paul	Assessment of Seagrass Restoration Success in Barnegat Bay, NJ	Barnegat Bay National Estuary	5/1/2010	4/30/2011	\$47,627
		Bologna, Paul	Ecological and Economic Assessment of Hard Clam Aquaculture in Association with Submerged Aquatic Vegetation Restoration	NJ Sea Grant	3/1/2010	2/28/2012	\$199,018
		Du, Charles	New Reverse Genetic Resources for Maize: Facile Production and Efficient Indexing Using Next-generation Sequencing Technology	National Science Foundation	7/1/2009	6/30/2012	\$201,479
		Egan, Mary	MRI: Acquisition of DNA Sequence and Fragment Analysis Instrumentation for Expanding Faculty and Student Research Opportunities	National Science Foundation	7/1/2009	6/30/2012	\$394,751
		Halaby, Reginald	The Effects of Triptolide on Apoptosis in MCF-7 Breast Tumors	Ruth Estrin Goldberg Memorial for Cancer Research	7/1/2009	6/30/2010	\$15,818
		Hazard, Lisa	Impact of Road Deicers on New Jersey Amphibian Species	NJ Department of Environmental Protection	7/1/2009	6/30/2010	\$3,494
		Molina, Carlos	Dissecting the Causes for Hyper-Ovulation of an Ovarian-Specific Transgenic Mouse	National Institutes of Health	4/1/2010	3/31/2013	\$148,228
		Monsen, Kirsten	Population Diversity of Irish Natterjack Toads	National Geographic Society	4/15/2010	4/15/2011	\$14,448
		Monsen, Kirsten	Prevalence of the Batrachochytrium Fungai Pathogen among New Jersey Amphibian Populations and Habitat	NJ Department of Environmental Protection	7/1/2009	6/30/2010	\$3,500
		Petroff, Elena	ASIC-BK Interaction in Glia and Gliomas	National Institutes of Health	1/1/2010	12/31/2012	\$198,068
		Prezant, Robert	LSAMP The Garden State Alliance for Minority Participation	National Science Foundation	5/1/2009	4/30/2014	\$560,935

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Biology/Molecular Biology							
		Wu, Meiyin	Developing a Wetland Program for the Lewis Creek Watershed	US Environmental Protection Agency	1/1/2010	12/31/2011	\$175,862
		Wu, Meiyin	Developing a Wetland Program for the Saranac River Watershed, NY	US Environmental Protection Agency	9/1/2010	8/31/2012	\$196,071
Chemistry/Biochemistry							
		Goodey, Nina	Biocatalytic Amine Reduction: Searching the Soil for Capable Catalysts - Pre-Proposal	American Chemical Society-Petroleum Research Fund	1/1/2009	12/31/2010	\$19,507
		Hou, Shifeng	Chemical Modification and Physicochemical Investigation of Graphene	American Chemical Society-Petroleum Research Fund	9/1/2009	8/31/2011	\$50,000
		Konas, David	Mechanistic Study and Application of Electrophilic Fluorination to the Synthesis of Optically Active Aromatic Fluoroamino Acids	Research Corporation	6/1/2009	6/1/2011	\$40,000
		Schelvis, Johannes	Molecular Mechanisms of Photolyase and Cryptochrome	National Science Foundation	9/1/2009	8/31/2012	\$419,453
		Siekierka, John	Inhibitors of Malaria and Leishmania Mitogen-Activated Protein Kinases as Anti-Parasitic Drugs	National Institutes of Health	12/1/2009	11/30/2012	\$202,207
		Siekierka, John	P38 Mitogen-Activated Protein Kinase Inhibitors as Potential Anti-Malarial and Anti-Parasitic Therapeutics	National Institutes of Health	9/1/2009	9/1/2011	\$797,178
		Siekierka, John	Inhibiting a Malaria Kinase as an Adjunct or Primary Therapy to Treat or Prevent Malaria Infection	Gates Foundation	4/1/2009	3/31/2010	\$100,000
		Siekierka, John	Mechanism of HIV Nef p38 MAPK activation, FasL and PD-1 induction and CD8+ apoptosis and T-cell unresponsiveness. A new therapeutic opportunity	National Institutes of Health	7/1/2009	6/30/2012	\$201,525
Computer Science							
		Herbert, Katherine	DBI: Drug Tree: A Pharmacophylogenomic Platform to Study Protein-ligand Binding Relationships	National Science Foundation	2/1/2009	1/31/2013	\$807,801
		Peng, Jing	Making Computational Thinking the Eighth Component of Liberal Arts Education	National Science Foundation	9/1/2009	8/31/2012	\$299,862
		Peng, Jing	Toward Robust Information Integration	National Science Foundation	6/1/2009	5/31/2012	\$396,921
		Peng, Jing	Web Portal to China's Environment	US Department of Education	10/1/2009	9/30/2013	\$384,092
		Robila, Stefan	MRI: Acquisition of a High Performance Computer Cluster Supporting Computational Science Research	National Science Foundation	7/1/2009	6/30/2012	\$190,010
		Wang, Dajin	SGER: Achieving Power-Adaptiveness by Dynamically Regrouping Wireless Ad Hoc and Sensor Networks	National Science Foundation	9/1/2008	8/31/2009	\$81,734
Dean's Office							
		Prezant, Robert	Center for Environmental and Life Sciences - A Transdisciplinary Facility for Advanced Study – Letter of Intent	National Institute of Standards and Technology			\$15,000,000

School	Department	Lead Faculty	Title	Sponsor	Start Date	End Date	Total Amount
Dean's Office							
		Prezant, Robert	Assessment of River Herring Energy Density as a Function of Habitat Quality in Drainages to Long Island Sound	Connecticut Sea Grant College Program	3/1/2009	2/28/2011	\$149,358
		Schneemeyer, Lynn	*Renovation of Physics Space for the 21st Century - Letter of Intent	National Science Foundation			\$1,960,000
Earth & Environmental Studies							
		Chopping, Mark	Forest and Shrub Mapping with MISR	National Aeronautic & Space Administration	2/1/2009	1/31/2010	\$74,573
		Chopping, Mark	Mapping Changes in Shrub Abundance and Biomass in Artic Tundra using NASA Earth Observing System Data and Geometric-Optical Modeling	National Aeronautic & Space Administration	9/1/2009	8/31/2013	\$522,358
		Feng, Huan	System Dynamic Model Development for Phosphorus Concentrations and Loads in Passaic River Watershed	NJ Water Resources Research Institute	6/1/2009	5/31/2010	\$29,607
		Feng, Huan	Passaic River Watershed Environmental Sustainability Study	National Science Foundation	8/1/2009	7/31/2012	\$299,931
		Feng, Huan	Flux, Distribution and Chemical State of Cu and Zn in the Newark Bay Sediments	NJ Sea Grant	7/1/2010	6/30/2012	\$199,154
		Feng, Huan	Passaic River Watershed Sustainability Study with System Dynamic Approach	NJ Sea Grant	7/1/2010	6/30/2012	\$193,526
		Feng, Huan	Geochemical Characterization of Authigenic Carbonate Formation/Dissolution and Mineral Composition in Continental Margin Petroleum Seep Sediments Using Synchrotron X-Ray-Based Coupling with Conventional XRD	American Chemical Society-Petroleum Research Fund	9/1/2009	8/31/2011	\$99,987
		Galster, Josh	Quantifying the effects of dam removal on the Musconetcong River	National Fish and Wildlife Foundation	6/1/2009	5/31/2010	\$21,360
		Galster, Josh	Does Urbanization Decrease Water Availability During Dry Weather? A Historical, Empirical Analysis of the Relationship Between Imperviousness and Stream Baseflow in the Eastern United States	US Geological Survey	9/1/2009	8/31/2011	\$82,489
		Sarkar, Dibyendu	A Low-Cost Chemical Remediation Technology for Chromium in Shipyard Stormwater	Sirom Scientific Solutions	3/21/2009	12/31/2009	\$90,000
		Sarkar, Dibyendu	Eco-Friendly Phosphorus Control Technologies Involving Vetiver Grass: Phase 1 Testing and Optimization in Greenhouse and Aquaria	NY State Dept of Environmental Conservation/Lehman	9/1/2009	8/31/2010	\$41,073
		Sarkar, Dibyendu	Revegetation of Surface Mined Sites using Vetiver Grass and Water Treatment Residuals	US Dept of Interior Office of Surface Mining	8/1/2009	7/31/2010	\$199,514
		Sarkar, Dibyendu	USDA CSREES Agriculture and Food Research Initiative	Michigan Technological University (US Department of Agriculture)	1/1/2010	12/31/2011	\$22,757
		Smith-Sebasto, N.	Aerobic in vessel compostability of beverage cups made from PLA	Massachusetts Natural Fertilizer Company	9/1/2008	10/31/2008	\$11,096
		Smith-Sebasto, N.	Anthrosol Creation and Testing Using Sediment from New York Harbor and Compost from Food Residue	Environmental Research Education Foundation	3/1/2009	3/31/2011	\$91,887

* Denotes proposal submitted for American Recovery & Reinvestment Act (ARRA) funding

School	Department	Lead Faculty	Title	Sponsor	Start Date	End Date	Total Amount
Earth & Environmental Studies							
		Yu, Danlin	Developing a Weighted State Space Model and a Spatial System Dynamic Model to Quantify and Simulate System Sustainability in the Lower Passaic River Watershed, New Jersey	National Science Foundation	8/1/2009	7/31/2012	\$298,424
Institute for Sustainability							
		Weinstein, Michael	Using the Biochemical Condition of Marine Transient Finfish to Infer Habitat Quality of Restored Wetlands	US Environmental Protection Agency	5/1/2010	4/30/2012	\$295,595
Mathematical Sciences							
		Billings, Lora	Understanding and Controlling Cooperative Multistable Systems in a Fluctuating Environment	US Army Research Office	9/1/2009	8/31/2013	\$400,000
		Billings, Lora	Multi-Scale Modeling of Infectious Diseases in Fluctuating Environments-Prediction and control	National Science Foundation	9/1/2009	8/31/2012	\$238,192
		Billings, Lora	Collaborative Research: Multi-scale Modeling of Infectious Diseases in Fluctuating Environments	National Institutes of Health	9/1/2009	8/31/2012	\$1,045,751
		Li, Aihua	Collaborative Research Opportunities in Mathematics for Undergraduate Students	Brigham Young University (National Science Foundation)	9/1/2009	6/30/2010	\$33,900
		Li, Aihua	Algebraic Applications in Discrete Dynamic Systems	Mathematical Association of America	6/15/2008	8/31/2008	\$24,988
		Roberts, Helen	Financial Services to the Classroom: To Prepare Second Career Mathematics Teachers in New Jersey	NJ Department of Education	3/1/2009	11/30/2009	\$50,000
		Yecko, Philip	SCREMS: Modeling and Simulation in Applied Mathematical Sciences	National Science Foundation	9/1/2009	8/31/2012	\$89,670
Passaic River Institute							
		Barrett, Kirk	Developing and Testing Guidelines for Design and Assessment of Water Quality Improvement from Salt Marsh Restoration	NJ Sea Grant	2/1/2010	1/31/2012	\$199,639
		Barrett, Kirk	Potential of "Nutrient Farming" with Engineered Wetlands to Improve Water Quality in the Hudson River Estuary: Analysis of Land Requirements, Economics and Additional Benefits	Hudson River Foundation	5/1/2009	4/30/2010	\$47,715
		Barrett, Kirk	Developing and Testing Guidelines for Water Quality Improvement by Restored Tidal Marsh	US Environmental Protection Agency	2/1/2010	1/31/2012	\$246,678
		Barrett, Kirk	Cell-to-Web Video Broadcasting Technology for Live Virtual Environmental Field Trips	US Environmental Protection Agency	7/1/2009	6/30/2011	\$124,514
		Barrett, Kirk	Summer Environmental Science Field School for High School Students from Urban, Disadvantaged School Districts in Northern New Jersey	US Environmental Protection Agency	10/1/2009	9/30/2010	\$49,898
		Barrett, Kirk	Monitoring and Modeling Hydrodynamic and Water Quality Processes in Tidal Marshes	NJ Sea Grant	3/1/2010	2/28/2012	\$199,535
		Barrett, Kirk	Planning for a Partnership to Increase Diversity in Geoenvironmental Science Programs at Colleges and Universities in Northeastern New Jersey	National Science Foundation	9/1/2009	8/31/2010	\$39,971
		Barrett, Kirk	Proposal for Green-Infrastructure Research	US Environmental Protection Agency	9/1/2009	8/31/2011	\$248,992

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Passaic River Institute							
		Barrett, Kirk	Potential of "Nitrogen Farming" in Connecticut to Relieve Hypoxia in Long Island Sound: Analysis of Land Requirements, Economics and Additional Benefits	US Environmental Protection Agency	3/1/2009	2/28/2011	\$48,063
		Sarkar, Dibyendu	Green Remediation of Veterinary Antibiotics in Soil-Water Systems	US Department of Agriculture	7/1/2009	7/1/2011	\$149,945
		Sarkar, Dibyendu	Chemically-Catalyzed Phytoremediation of Lead and TNT in Contaminated Range Soils	US Department of Defense	3/1/2010	2/28/2012	\$508,898
PRISM							
		Willis, Jacalyn	eCUSP: Elementary Creative University-School Partnerships (Year 3)	NJ Department of Education	7/1/2009	6/30/2010	\$525,000
		Willis, Jacalyn	2009 Congressionally-directed Award for STEM Teacher Training for the 21st Century	US Department of Education	7/1/2009	6/30/2010	\$190,000
Total for CSAM							\$29,732,692
SBUS							
Accounting, Law & Taxation							
		Romero, Silvia	PCAOB Inspections: The Key to Non-Deficiency Reports	Academic Research in Auditing - CAQ	1/6/2009	12/31/2009	\$16,942
Total for SBUS							\$16,942
Grand Total							\$41,095,485

* Denotes proposal submitted for American Recovery & Reinvestment Act (ARRA) funding

Annual Report Awards

Award notices received from 7 /1/2008 to 6 /30/2009

School	Department	Lead Faculty	Project Title	Sponsor Type	Sponsor Name	Amount Awarded
ADMINISTRATIVE						
Center for Career Services & Community Based Learning						
		Henry, Mary Beth	The Effect of Cooperative Education on Student Civic Development and Well-Being	Private	Cooperative Education Internship Association	\$3,000
Facilities Management						
		Bressler, Gregory	Improving Accessibility for Disabled Persons at Freeman Hall	County	Essex County Community Development	\$60,000
Global Education						
		Cunningham, Marina	Contemplating China's Past and Future: A Festival of Chinese Arts and Humanities	State	NJ Council for the Humanities	\$10,000
Total for ADMIN						\$73,000
CART						
Art Galleries						
		Rodriguez, Teresa	General Programming Support, FY 2009	State	NJ State Council for the Arts	\$14,817
		Rodriguez, Teresa	George Segal Retrospective Catalog and Educational Activities	State	NJ Council for the Humanities	\$5,000
Arts and Cultural Programming						
		Wheeler, Jedediah	General Programming Support, FY 2009	State	NJ State Council for the Arts	\$37,523
		Wheeler, Jedediah	Arts and Cultural Programming Support, FY 2009 - Peak Performances	Federal	National Endowment for the Arts	\$40,000
		Wheeler, Jedediah	Peak Performances at MSU, American Masterpieces: Presenting "Shlemiel the First" directed by David Gordon	Federal	National Endowment for the Arts	\$70,000
Total for CART						\$167,340

School	Department	Lead Faculty	Project Title	Sponsor Type	Sponsor Name	Amount Awarded
CEHS						
Center of Pedagogy						
		Hopper, Cheryl	Intel Math Professional Development Program	State	NJ Department of Education	\$105,290
		Robinson, Jennifer	Improving Teacher Quality Partnership Grants (MSU-East Orange Collaborative) (Year 3)	State	NJ Department of Education	\$291,516
		Williamson, Barice	NJ Future Educators Assoc. Conference	State	The College of New Jersey (NJ Department of Education)	\$8,371
Counseling, Human Development & Educational Learning						
		Heller Levitt, Dana	Outcomes Based Assessment: A Proposed Model for New Standards	Federal	Council for Accreditation of Counseling and Related Educational Programs	\$1,338
		McCotter, Suzanne	A Model of Professional Learning Communities for School Leaders	State	NJ Department of Education	\$112,903
Curriculum & Teaching						
		Walencik, Vincent	Math and Science Partnership Program	State	Stevens Institute of Technology (NJ Department of Education)	\$20,098
Family and Child Studies						
		Gager, Constance	Effects of Parental Marital Discord on Adult Child Outcomes	Federal	National Institutes of Health	\$70,517
		Reid, Robert	Paterson (NJ) Minority Substance Abuse and HIV Prevention Initiative (Year 1)	Federal	US Department of Health & Human Services/SAMHSA	\$335,333
		Reid, Robert	Paterson (NJ) Minority Substance Abuse and HIV Prevention Initiative (Year 2)	Federal	US Department of Health & Human Services/SAMHSA	\$335,333
		Urban, Jennifer	A Phase II of the Systems Evaluation Protocol for Assessing and Improving Stem Education Evaluation	Federal	Cornell University (National Science Foundation)	\$303,390
Health & Nutrition Sciences						
		Kaelin, Mark	Epidemiology and the Energy Balance Equation (Year 1)	Federal	National Institutes of Health	\$258,771
		Wunderlich, Shahla	MSU Nutrition and Wellness Project (Year 6)	County	Hudson County Office on Aging	\$180,000
Total for CEHS						\$2,022,860

School	Department	Lead Faculty	Project Title	Sponsor Type	Sponsor Name	Amount Awarded
CHSS						
Anthropology						
		Siegel, Peter	Historical Ecology in the Pre-Columbian Caribbean	Federal	National Science Foundation	\$116,426
Center for Child Advocacy						
		Curcio, Susan	Investigation and Trial of Crimes Against Children	State	NJ Department of Children and Families	\$61,026
		McCormick, Robert	Post BA Certification in Child Advocacy	State	NJ Division of Youth and Family Services	\$233,248
Center for Heritage and Archaeological Studies						
		Halperin, Rhoda Renner, Timothy	Houses and Concepts of Home: Place & Belonging in a Global World	State	NJ Council for the Humanities	\$9,999
Communication Sciences and Disorders						
		Eisenberg, Sarita	A Domain-Referenced Strategy for Differentiating Children With and Without Language Impairment	Federal	National Institutes of Health	\$366,644
		Wambacq, Ilse	Neurophysiological and Psychoacoustic Indices of Binaural Processing in Adults	Private	Deafness Research Foundation	\$20,000
Justice Studies						
		Connolly, Norma	Court Appointed Special Advocates Grant	Private	Court Appointed Special Advocates of New Jersey	\$2,099
Linguistics						
		Call, Mary	ELMS Conference Contract 2008-2010	State	NJ Commission on Higher Education	\$21,400
		Feldman, Anna	NAACL-HLT2009 Workshop on Computational Approaches to Linguistic Creativity	Federal	National Science Foundation	\$20,656
Psychology						
		D'Urso, Anthony	Post-Doctoral Specialization in Forensic Psychology	State	NJ Department of Children and Families	\$74,880
		Sessa, Valerie	Campus Change for Learning	Private	Association of American Colleges & Universities	\$10,000
		Townsend, David	*Eye-Tracking Analysis of Temporal Processing in Sentence Comprehension	Federal	National Institutes of Health	\$199,356

* Denotes award receiving American Recovery & Reinvestment Act (ARRA) funding

School	Department	Lead Faculty	Project Title	Sponsor Type	Sponsor Name	Amount Awarded
Sociology						
		Besen-Cassino, Yasemin	Pay Gap Report: Analysis of the Disparity Between the Yearly Income of Men and Women in NJ	Private	American Association of University Women	\$2,000
Total for CHSS						\$1,137,734
CSAM						
Biology/Molecular Biology						
		Halaby, Reginald	Establishment of a MARC Program at Montclair State University (Year 3)	Federal	National Institutes of Health	\$234,530
		Monsen, Kirsten	Prevalence of the Batrachochytrium Fungai Pathogen among New Jersey Amphibian Populations and Habitat	State	NJ Department of Environmental Protection	\$3,500
Computer Science						
		Robila, Stefan	Montclair REU Site in Imaging and Computer Vision (iImagine)	Federal	National Science Foundation	\$88,398
Earth & Environmental Studies						
		Brachfeld, Stefanie	*Enhancing Holocene Ice Sheet and Ice Shelf Geochronology using Geomagnetic Paleointensity Variations (Year 1)	Federal	National Science Foundation	\$119,406
		Brachfeld, Stefanie	CAREER: Tracing Antarctic Sediment Transport Pathways (Year 5)	Federal	National Science Foundation	\$3,000
		Brachfeld, Stefanie	Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, A Multidisciplinary Approach, Marine and Quaternary Geosciences (Year 2)	Federal	National Science Foundation	\$72,953
		Chopping, Mark	Mapping Changes in Shrub Abundance and Biomass in Artic Tundra using NASA Earth Observing System Data and Geometric-Optical Modeling	Federal	National Aeronautic & Space Administration	\$522,358
		Chopping, Mark	A New Approach for Mapping Woody Plants in the Southwestern United States using NASA Earth Observing System Data	Federal	National Aeronautic & Space Administration	\$60,813
		Chopping, Mark	Forest and Shrub Mapping with MISR	Federal	National Aeronautic & Space Administration	\$74,573
		Feng, Huan	System Dynamic Model Development for Passaic Watershed Sustainability and Environmental Management Study	State	NJ Sea Grant	\$4,912

* Denotes award receiving American Recovery & Reinvestment Act (ARRA) funding

School	Department	Lead Faculty	Project Title	Sponsor Type	Sponsor Name	Amount Awarded
		Passchier, Sandra	Recording Middle Miocene through Pliocene Antarctic Cryospheric Change Based on Shifts in Sedimentary Facies, Particle Size, Heavy Minerals and SEM Analyses of Quartz Grain Surface Textures	Federal	National Science Foundation	\$71,229
		Passchier, Sandra	*Determining Middle Miocene through Pliocene Changes in Paleo Ice-flow and Basal Ice Conditions in East Antarctica through Sedimentological Analyses of Core Samples	Federal	National Science Foundation	\$75,817
		Sarkar, Dibyendu	A Low-Cost Chemical Remediation Technology for Chromium in Shipyard Stormwater	Private	Sirom Scientific Solutions	\$90,000
	Health Careers					
		Lorenzo, Donna	Montclair State University Upward Bound Project (Year 2)	Federal	US Department of Education	\$250,001
	Mathematical Sciences					
		Billings, Lora	Controlling Interacting Systems in Noisy Environments	Federal	US Army Research Office	\$53,009
		Li, Aihua	Algebraic Applications in Discrete Dynamic Systems	Private	Mathematical Association of America	\$24,968
		Li, Aihua	Collaborative Research Opportunities in Mathematics for Undergraduate Students	Federal	Brigham Young University (National Science Foundation)	\$32,900
		Roberts, Helen	Financial Services to the Classroom: To Prepare Second Career Mathematics Teachers in New Jersey	State	NJ Department of Education	\$50,000
		Wolff, Kenneth	Fellows in the Middle: Partnerships for Inquiry and Interdisciplinary Middle School Science and Mathematics (Year 2)	Federal	National Science Foundation	\$596,893
		Wolff, Kenneth	Fellows in the Middle: Partnerships for Inquiry and Interdisciplinary Middle School Science and Mathematics (Year 3)	Federal	National Science Foundation	\$588,389
	PRISM					
		Willis, Jacalyn	e-CUSP: elementary-Creative University School Partnerships (Year 2)	State	NJ Department of Education	\$510,250
		Willis, Jacalyn	eCUSP: Elementary Creative University-School Partnerships (Year 3)	State	NJ Department of Education	\$525,000
		Willis, Jacalyn	GEAR UP: Passaic Public Schools	Federal	US Department of Education	\$58,643
Total for CSAM						\$4,111,542
Grand Total						\$7,512,476

* Denotes award receiving American Recovery & Reinvestment Act (ARRA) funding

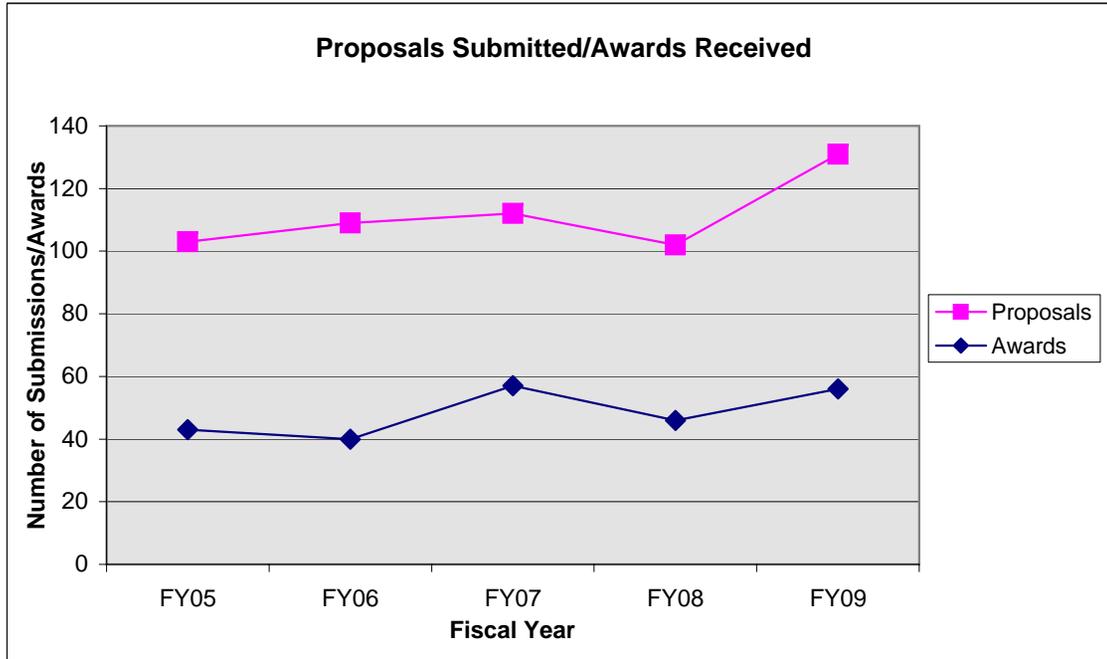


Figure 1
Number of Proposals Submitted by Fiscal Year
Number of Awards Received by Fiscal Year
2005 -2009

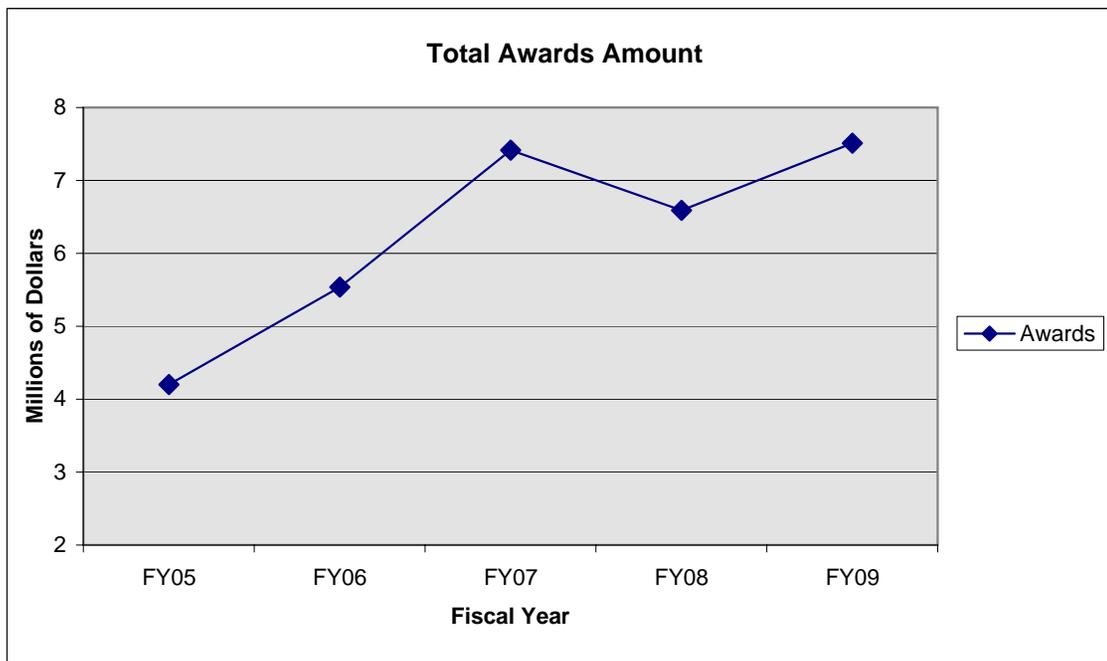


Figure 2
Award Amounts Received by Fiscal Year
2005 -2009

FY 2009 ARRA Proposals Submitted

Montclair State University

College	Faculty	Proposal Title	Funding Agency	Requested Amount	Begin Date	End Date
CEHS	Gager, Contance	Effect of Marital Discord on Adult Children	NICHHD	\$ 24,705	9/1/2009	12/31/2010
CEHS	Kaelin, Mark	Epidemiology and the Energy Balance Equation - Supplement	NIH	\$ 199,786	9/1/2009	8/31/2011
CEHS	Birnbaum, Amanda	Developing a Tailored Obesity Prevention Intervention for African American Mother-Daughter Dyads	UNC-Greensboro (NIH)	\$ 243,237	10/1/2009	9/30/2011
CEHS	Kennedy, David	Teaching Mathematics Through Critical Dialogue	Stony Brook University (NIH)	\$ 240,262	9/30/2009	9/29/2011
CEHS	Mahadevan, Meena	Social Network Factors Influencing Good Behaviors, Diet Quality, and BMI of African American HIV-Positive Female Substance Abusers	Fordham University (NIH)	\$ 283,504	9/1/2009	8/31/2011
CHSS	Townsend, David	Eye-Tracking Analysis of Temporal Processing in Sentence Comprehension	NIH	\$ 199,354	9/1/2009	8/31/2010
CHSS	Feldman, Anna	Resource-Light Morphosyntactic Tagging of Morphological Complex Languages	NSF	\$ 220,660	9/1/2009	8/31/2012
CHSS	Vietze, Peter	Protective Parental Factors in College Drinking	NIH/NIAA	\$ 722,654	10/1/2009	9/30/2011
CSAM	Billings, Lora	Collaborative Research: Multi-Scale Modeling of Infectious Diseases in Fluctuating Environments-Prediction and Control	NIH	\$ 1,045,751	9/1/2009	8/31/2012
CSAM	Passchier, Sandra	Determining Middle Miocene through Pliocene Changes in Paleo Ice-Flow and Basal Ice Conditions in East Antarctica through Sedimentological Analyses of Core Samples	NSF	\$ 75,817	9/1/2009	8/31/2013
CSAM	Siekierka, John	P38 Mitogen-Activated Protein Kinase Inhibitors as Potential Anti-Malarial and Anti-Parasitic Therapeutics	NIH	\$ 797,178	9/1/2009	9/1/2011
Student/Academic Services	Straker-Banks, Allyson	Return To Earn	NJCHE	\$ 66,376	5/30/2009	5/30/2010
Student/Academic Services	Straker-Banks, Allyson	Recovery Act Local Youth Mentoring Initiative FY 2009: Children United We Stand Higher (CUSH) Project	OJJDP	\$ 499,389	7/1/2009	6/30/2013
University Police	Cell, Paul	The Montclair State University Community Oriented Policing Strategy	US Dept. of Justice/Community Oriented Policing Service	\$ 670,491	7/1/2009	6/30/2012
University Police	Cell, Paul	The University Police Emergency Procedures Training Program	US Dept. of Justice	\$ 156,624	8/1/2009	7/31/2011

Total Amounts Requested:

\$ 5,445,788

FY 2009 ARRA Awards Received

Montclair State University

College	Faculty	Proposal Title	Funding Agency	Amount	Begin Date	End Date
CHSS	Townsend, David*	Eye-Tracking Analysis of Temporal Processing in Sentence Comprehension	NIH	\$ 199,354	9/1/2009	8/31/2010
CSAM	Brachfeld, Stephanie*	Enhancing Holocene Ice Sheet and Ice Shelf Geochronology using Geomagnetic Paleointensity Variations	NSF	\$ 119,406	7/1/2009	6/30/2011
CSAM	Passchier, Sandra*	Determining Middle Miocene through Pliocene Changes in Paleo Ice-Flow and Basal Ice Conditions in East Antarctica through Sedimentological Analyses of Core Samples	NSF	\$ 75,817	9/1/2009	8/31/2013

Total Amounts Requested:

\$ 394,577

* Denotes proposals that were submitted prior to the initiation of the Recovery Act. After the Recovery Act was passed, proposals previously submitted to these agencies were retroactively funded.