

Office of Research and Sponsored Programs/University Advancement

GRANT RECOGNITION RECEPTION

APRIL 19, 2016

*Celebrating
Research,
Scholarship
and Service*



MONTCLAIR STATE
UNIVERSITY





April 19, 2016

Dear Colleagues,

On behalf of Vice President Jack Shannon and myself, I am pleased to welcome you to the 4th Annual Montclair State University Grant Recognition Reception. During the 2015 calendar year, University faculty and staff received 86 awards, totaling over \$10.7 million, representing a 10 percent increase from the previous year.

Many exciting developments have taken place over the past year that bode well for future externally sponsored growth. In 2015, we saw the completion of the Center for Environmental and Life Sciences (CELS), a new 107,500-square-foot research facility. CELS enables Montclair State's College of Science and Mathematics to build on its collaborative culture, combining strengths across disciplines and building research programs of exceptional power. Along with CELS, the new 146,000-square-foot Feliciano School of Business building provides students with a \$66 million, high-tech learning environment, featuring a 150-seat lecture hall, classrooms and computer labs, market research/analysis labs, and a financial trading floor.

Of particular note, the influential Carnegie Classification of Institutions of Higher Education now lists Montclair State University as a "Research 3" university. This change recognizes the substantial growth in doctoral-level education and research activity at the University.

And, in the fall of 2015, Montclair State surpassed the 25 percent Hispanic enrollment threshold set by the U.S. Department of Education to be eligible for funding as a "Hispanic Serving Institution." This will open up future avenues for research and program funding in many areas to include (but not limited to) the purchase of laboratory equipment and educational materials for teaching, faculty development and student support services.

To support continued growth in the research and sponsored programs enterprise, new systems and processes are now in place with the implementation of CAYUSE 424 and CAYUSE IRB. These systems facilitate the submission and routing processes of proposals to federal sponsors, and IRB applications to the Institutional Review Board. Initial feedback from faculty and staff using these systems has been overwhelmingly positive.

To all of those who have applied for and received support, we congratulate you and wish you continued success. To those who will revise and resubmit, we applaud your persistence and determination and wish you better fortune going forward. To all of our faculty and staff, we thank you for the creative talents and innovative thinking you bring to Montclair State University.

A handwritten signature in black ink that reads "Willard Gingerich". The signature is fluid and cursive, with the first name "Willard" and last name "Gingerich" clearly legible.

Willard Gingerich, PhD
Provost and Vice President
for Academic Affairs

In recognition of Montclair State University faculty and staff who have received
externally sponsored awards during the 2015 calendar year

College of the Arts

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Debra Galant	Center for Cooperative Media 2015-2016	Geraldine R. Dodge Foundation, Inc.	\$125,000
	NJ News Commons Sales Academy	Geraldine R. Dodge Foundation, Inc.	\$51,000
	Total		\$176,000
Jedediah Wheeler	General Operating Support FY 2016	N.J. State Council on the Arts	\$49,513
	The Grand Parade	New England Foundation for the Arts	\$10,000
	Total		\$59,513
Robert Cart	Graduate String Quartet	Frank and Lydia Bergen Foundation	\$40,000
	Total		\$40,000
Denis Feigler	Talent Awards	The Movado Group Foundation	\$15,000
	Total		\$15,000
Teresa Rodriguez	General Operating Support FY 2016	N.J. State Council on the Arts	\$12,828
	Total		\$12,828

College of Education and Human Services

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Jennifer Urban/ Miriam Linver	Inspiring Youth Purpose through Reflection on the Laws of Life: Improving, Implementing, Evaluating & Researching the Inspire>Aspire Poster Program	John Templeton Foundation	\$1,796,560
	Total		\$1,796,560
Jennifer Robinson	Being United in Leadership Development (BUILD)	N.J. Department of Education	\$199,977
	Newark-Montclair Urban Teacher Residency (NMUTR)	Victoria Foundation, Inc.	\$100,000
Jennifer Robinson/ Susan Wray	Newark-Montclair Urban Teacher Residency - Year 2	U.S. Department of Education	\$1,181,143
	Total		\$1,481,120
Gerard Costa	The Coordinating Center at Montclair State University (CC-MSU) - Supplement	N.J. Governor's Council for Medical Research and Treatment of Autism	\$419,946
	Promoting Early Childhood Mental Health in Counties Affected by Superstorm Sandy - Year 2	N.J. Department of Children and Families	\$360,000
	Fourth Annual Todd Ouida Children's Conference	Todd Ouida Children's Foundation	\$10,000
Gerard Costa/ Kaitlin Mulcahy	IECMH Training Project Launch 2015 - 2016	N.J. Department of Children and Families	\$240,560
	Total		\$1,030,506
Katrina Bulkley	The New 'One Best System?': Urban Governance and Educational Practice in the Portfolio Management Model	Spencer Foundation	\$1,000,000
	Total		\$1,000,000

College of Education and Human Services

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Robert Reid/ Pauline Garcia-Reid	Project C.O.P.E. - Year 1	U.S. Department of Health and Human Services/SAMHSA	\$283,875
	Paterson Coalition Against Substance Abuse (P-CASA) - Year 3	U.S. Department of Health and Human Services/SAMHSA	\$125,000
	Total		\$408,875
Jennifer Goeke	Restructuring Preservice Preparation for Innovative Special Education (RePPriSE) - Year 5	U.S. Department of Education	\$295,436
	Total		\$295,436
Jamaal Matthews	CAREER: How Urban Adolescents Come to Think of Themselves as Mathematicians - Year 2	National Science Foundation	\$142,282
	Total		\$142,282
Stephanie Silvera	Exploring Sociodemographic and Behavioral Factors Underlying Racial/ Ethnic Disparities in Cancer Prevention Behaviors in New Jersey - Year 4	National Institutes of Health	\$138,200
	Total		\$138,200
Zoe Burkholder	An African American Dilemma: The Problem of School Integration and Civil Rights in the North	Spencer Foundation	\$50,000
	Total		\$50,000

College of Humanities and Social Sciences

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Jason Dickinson	Post BA Certificate in Adolescent Advocacy 2015 - 2016	N.J. Department of Children and Families	\$246,238
	Transitions for Youth Summer Housing and Internship Program (SHIP) 2014 - 2015	N.J. Department of Children and Families - Subcontract from Rutgers University	\$131,702
	NJ Child Welfare Training Partnership 2014 - 2015 - Supplement	N.J. Department of Children and Families - Subcontract from Rutgers University	\$68,262
	Post BA Certificate in Child Advocacy and Policy 2014 - 2015 - Supplement	N.J. Department of Children and Families	\$10,900
	Transitions for Youth Summer Housing and Internship Program (SHIP) 2014 - 2015 - Supplement	N.J. Department of Children and Families - Subcontract from Rutgers University	\$3,004
Total			\$460,106
Christopher Matthews/ Katherine McCaffrey	Unearthing the Future: the Art of Reverse Archeology - Interstate 280 in Orange, NJ	ArtPlace - Subaward from ValleyArts	\$26,096
	Total		\$26,096
Emily Isaacs/ Willard Gingerich	Developing and Using Adaptive Courseware for English Composition Instruction at Public Research Universities	United Student Aid Fund (USA Funds) - Subcontract from Association of Public and Land-grant Universities	\$20,000
	Total		\$20,000
Fran Prezant	Montclair ReelAbilities Film Festival	Kessler Foundation	\$20,000
	Total		\$20,000
Yasemin Besen-Cassino	Book Review Editor Gender and Society - Year 2	Sociologists for Women in Society - Subcontract from Oakland University	\$15,000
	Total		\$15,000

College of Humanities and Social Sciences

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Valerie Sessa/ Jennifer Bragger	Longitudinal Leadership Development Study - Year 1	C. Charles Jackson Foundation	\$5,000
	Longitudinal Leadership Development Study - Year 2	C. Charles Jackson Foundation	\$4,450
	Total		\$9,450
Carmin M. Soler Cruz	Emergence of Prosocial Religions - Supplement	John Templeton Foundation - Subcontract from University of British Columbia	\$8,200
	Total		\$8,200
Anna Feldman	NAACL Workshop on Computational Linguistics for Literature	National Science Foundation	\$6,000
	Total		\$6,000
Elaine Hitchcock	Visual Biofeedback Intervention for /r/ Misarticulation	New York University	\$4,800
	Total		\$4,800
Anuj Vaidya	Queering the Sciences	N.J. Council for the Humanities	\$3,000
	Total		\$3,000
Teresa Fiore	Inserra Chair Scholarship	Columbian Foundation	\$2,000
	Total		\$2,000
Reiko Kawahara	Promoting Shogi (Japanese Chess) in the U.S.	Japan Foundation	\$1,000
	Total		\$1,000

College of Science and Mathematics

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Jorge Lorenzo Trueba	Coastal Processes and Human Response to Shoreline Change	National Science Foundation - Subaward from Woods Hole Oceanographic Institution	\$365,594
	The stress nexus of coastlines: Population development, infrastructure security, and morphological dynamics of the Upper Texas Gulf Coast	Rice University	\$16,961
	Total		\$382,555
Mika Munakata/ Erin Krupa/ Jacalyn Willis	CUSP - Creative University - School Partnerships in Mathematics - Year 3	N.J. Department of Education	\$365,000
	Total		\$365,000
David Talaga	Interfacially activated aggregation of alpha-synuclein	National Institutes of Health	\$283,164
	Total		\$283,164
Donna Lorenzo	Upward Bound - Year 4	U.S. Department of Education	\$250,000
	Health Careers Program 2016	The Edward and Stella Van Houten Memorial Trust	\$30,000
	Total		\$280,000
Hendrik Eshuis	RUI: Towards accurate computational dynamical and mechanistic studies of transition metal homogeneous (photo) catalysis	National Science Foundation	\$195,425
	Total		\$195,425

College of Science and Mathematics

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Xiaona Li/ Stefanie Brachfeld/ Yang Deng/ Sandra Passchier/ Dibyendu Sarkar	MRI: Acquisition of an Inductively Coupled Plasma - Mass Spectrometry (ICP MS) for elemental concentration and speciation analysis at Montclair State University	National Science Foundation	\$168,245
	Total		\$168,245
Pankaj Lal	U.S.-India Consortium for Sustainable Advanced Biofuels System - Year 2	U.S. Department of Energy - Subaward from University of Florida	\$122,553
	Assessment of Economic, Ecological, and Social Capital in Congruence with Design Studies for Reducing Storm Surge and Flooding Risks to New Jersey Coastal Communities - Year 1 and Supplement	N.J. Department of Environmental Protection - Subaward from New Jersey Institute of Technology	\$35,000
	Total		\$157,553
Dibyendu Sarkar	Reducing Copper Loads from Stamp Sand Deposits in the Keweenaw Peninsula with Permeable Reactive Barriers - Phase 1	Michigan Department of Environmental Quality - Subcontract from Michigan Technological University	\$27,494
Dibyendu Sarkar/ Yang Deng	A Green Technology for Nutrient and Metals Reduction in New Jersey Coastal Waters - Year 2	National Oceanic and Atmospheric Administration - Subaward from New Jersey Sea Grant Consortium	\$69,998
	Total		\$97,492
Michael Weinstein	Impacts of Hurricane Sandy: Threats to Communities and Ecosystems from Storm-Induced Mobilization of Toxic Compounds	N.J. Department of Environmental Protection	\$83,342
	Total		\$83,342
Jacalyn Willis	Grants for Teaching Excellence	Bristol-Myers Squibb Company	\$50,000
	STEM Education to Prepare the Next Generation Professional Workforce	Bristol-Myers Squibb Company	\$25,000
	BMS Center 10th Anniversary	Bristol-Myers Squibb Company	\$6,000
	Total		\$81,000

College of Science and Mathematics

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
David Rotella/ John Siekierka	Discovery and Optimization of Botulinum Toxin A Protease Inhibitors - Supplement	U.S. Department of Defense	\$75,000
	Total		\$75,000
Robert Prezant/ Carlos Molina	Garden State LSAMP Phase II - Year 2	National Science Foundation - Subaward from Rutgers University	\$72,694
	Total		\$72,694
Eric Forgoston	Collaborative Research: Improved Vehicle Autonomy in Geophysical Flows	National Science Foundation	\$54,713
	Understanding the Dynamics of Stochastic Disease Spread in Metapopulations - Supplement	National Science Foundation	\$10,000
	Total		\$64,173
Meiyin Wu	Eco-Explorers Summer Camp	PSEG Foundation	\$15,000
	Passaic Basin Eco-Explorers Summer 2016 Program in Environmental Science, Ecology & Computer Technology	Victoria Foundation, Inc.	\$15,000
	Eco-Explorers Summer Camp	TD Charitable Foundation	\$10,000
Meiyin Wu/ Natalie Sherwood (Student)	Establishing a Crossing Assessment Program in New Jersey	Department of the Interior - U.S. Fish and Wildlife Service - Subaward from Wildlife Management Institute	\$20,000
	Assessment of the First Herpetofauna Tunnels in New Jersey	N.J. Department of Environmental Protection	\$3,500
	Total		\$63,500

College of Science and Mathematics

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Diana Thomas	Early risk assessment through mathematical modeling of quantitative placental anatomic/structural biomarkers	National Institutes of Health - SBIR Subaward from Placental Analytics	\$49,275
	Short Course on the Mathematical Sciences in Obesity Research - Year 3	National Institutes of Health - Subaward from University of Alabama	\$10,859
	Total		\$60,134
Nina Goodey/ Katherine Herbert/ John Siekierka/ Marc Kasner/ Jennifer Krumins	Opening Pathways, Engaging, and Networking in Chemistry in Northern New Jersey (OPEN-NJ) - Year 1	National Science Foundation	\$50,847
Nina Goodey/ Eleanor Ojinnaka (Student)	2015 ASBMB Undergraduate Research Award	American Society for Biochemistry and Molecular Biology	\$1,000
	Total		\$51,847
Nicole Panorkou	The DYME project: Developing Students' Thinking of Dynamic Measurement	Spencer Foundation	\$49,443
	Total		\$49,443
Yang Deng/ Dibyendu Sarkar/ Pravin Punamiya	Development of a New, Effective and Low-cost Mulch Adsorption Material for Sustainable Management of Polluted Road Stormwater in Highly Urbanized Areas	University Transportation Research Center - Subaward from Manhattan College	\$39,200
Yang Deng/ Dibyendu Sarkar/ Saumik Panja (Student)	Developing a green technology to remove phosphate and pharmaceuticals from wastewater effluents	U.S. Geological Survey - Subaward from Rutgers University	\$5,000
	Total		\$44,200

College of Science and Mathematics

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Mark Chopping	Forest and Shrub Mapping with MISR - Supplement	National Aeronautics and Space Administration	\$29,600
	Changes in Shrub Abundance in Arctic Tundra from the Satellite High Resolution Record for the Arctic-Boreal Vulnerability Experiment and Impacts on Albedo - Year 1	National Aeronautics and Space Administration	\$13,491
	Total		\$43,091
Ashuwin Vaidya	Science Honors Innovation Program (SHIP)	Celgene Corporation	\$19,500
	Total		\$19,500
Jonathan Cutler	Enumerative extremal problems - Year 1	National Security Agency	\$19,473
	Total		\$19,473
Andrada Ivanescu	Child Growth Curve Modeling	Johns Hopkins University	\$10,957
	Total		\$10,957
Paul Bologna	Assessing the Biological Control of Sea Nettle (<i>Chrysaora Quinquecirrha</i>) by Nudibranchs	Myth Group	\$8,000
	Total		\$8,000
Rebecca Shell (Student)/ Robert Prezant	Effects of hard clam (<i>Mercenaria mercenaria</i>) grow-out operations on benthic communities in Barnegat Bay, NJ	U.S. Geological Survey - Subaward from Rutgers University	\$5,000
	Total		\$5,000
Lisa Hazard/ Kirsten Monsen	Environmental Correlates of Ranavirus Disease Distribution in New Jersey	N.J. Department of Environmental Protection	\$3,500
	Total		\$3,500

Center for Community Engagement

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Bryan Murdock	City of Orange Proposal to the U.S. Department of Education: University Assisted Full Service Community Schools Program - Year 2	U.S. Department of Education	\$468,240
Bryan Murdock/ Krystal Woolston/ Randall FitzGerald/ Danielle Dapiran	Montclair State University EECO Project	N.J. Commission on National and Community Service	\$295,748
Bryan Murdock/ Danielle Dapiran	2015 National Day of Service	N.J. Commission on National and Community Service	\$1,000
	Total		\$764,988
Krystal Woolston/ Bryan Murdock	Bonner Leader Program 2016	The Corella & Bertram F. Bonner Foundation, Inc.	\$10,000
	Montclair Community Farm	Partners for Health	\$10,000
	Service Learning in Keansburg, NJ	Montclair Rotary Foundation	\$1,500
	Total		\$21,500

Center for Student Involvement

AWARDEE	PROJECT TITLE	SPONSOR	AMOUNT AWARDED
Brian McArdle	Voter Engagement Program	Foundation for Civic Leadership	\$500
	Total		\$500

Harry A. Sprague Library

AWARDEE

PROJECT TITLE

SPONSOR

AMOUNT AWARDED

Steven Shapiro/
Sandra Passchier

Rising Tide: What We can Learn
From the Dutch and their Relationship
with Water

N.J. Council for the Humanities

\$20,000

Total

\$20,000

We recognize all Montclair State University faculty and staff who have submitted proposals still under review or not funded at this time. We celebrate your contributions and expect that your efforts will be rewarded in the future.

Academic Affairs

Tanya Maloney

College of the Arts

Merrill Brown
Roberta Friedman
Lorraine Katterhenry
Christine Lemesianou
Daniel Tobiah Loewenthal
Beverly Peterson

College of Education and Human Services

Ndidiamaka Amutah
Nicole Barnes
Brian Carolan
Joseph Donnelly
Helenrose Fives
Sara Goldstein
Maughn Gregory
Sumi Hagiwara
Michael Hannon
Dana Heller Levitt
Robert Horn
David Kennedy
Eden Kyse
Chih-Yuan Steven Lee
Meena Mahadevan
Victoria Puig
Edina Renfro-Michel
Minsun Shin
Talida State
Alfred Chris Torres
Bradley van Eeden-Moorefield

College of Humanities and Social Sciences

Fawzia Afzal-Khan
Mary Boyle
Laura Lakusta
Sarah Lowe
Venezia Michalsen
Laura Naughton
Ruth Propper
Mary Ann Re
Joshua Sandry
Peter Vietze
Debra Zellner
Tina Zottoli

College of Science and Mathematics

Clement Alo
Lora Billings
Tanya Blacic
Jaclyn Catalano
Charles Du
Marc Favata
Huan Feng
Josh Galster
Jinshan Gao
Yvonne Gindt
Amir Golnabi
Steven Greenstein
Reginald Halaby
David Konas
Christopher Leberknight
Aihua Li
Andrew McDougall
Robert Meredith
Eileen Murray
Bogdan Nita
Jing Peng

College of Science and Mathematics, *continued*

Stefan Robila
Bharath Samanthula
Johannes Schelvis
Lynn Schneemeyer
Jay Prakash Singh
Mitchell Todd Sitnick
Vladislav Snitsarev
Haiyan Su
David Trubatch
Dirk Vanderklein
Aparna Varde
Wenwei Xiong
Danlin Yu

Feliciano School of Business

Jason Frasca
Ross Malaga
Sharon Waters

Global Education Center

Marina Cunningham
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Research Academy for University Learning

Julie Dalley





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