

2017 Awards from Federal, Massachusetts, or Municipal Entities - Quarter 1

Principal Awarded Date	Investigator	Sponsor Name	Title	Award Total
1/3/2017	J Philips, Brenda	Nat'l Oceanic and Atmospheric Admin (NOAA)	Subcontract No. SA15-UOMOI Modification 03	\$12,500
1/3/2017	Liu, Zhenhua	US Dept of Agriculture (USDA)	Prevention of Th17-initiated colitis by aronia berries	\$6,482
1/4/2017	Kleinman, Kenneth	National Institutes of Health (NIH)	Epicenter IV: Harvard-UCI Center for HAI Prevention	\$82,708
1/4/2017	Hart, David M	National Park Service-No. Atlantic Reg.	Creating a Collections Mobile App for the Springfield Armory National Historic Site -Supplement #2	\$10,000
1/4/2017	Chipkin, Stuart R	National Institutes of Health (NIH)	Center for the Promotion of Health in the New England Workplace	\$5,500
1/6/2017	Hartwell, Alfred	Agency for International Development (AID)	Building Evidence and Capacity to Increase Equitable Access to Education in Crisis and Conflict-Affected Environments (GOAL 3)	\$327,024
1/6/2017	Ramsey-Musolf, Michael	US Dept of Energy (DOE)	Fundamental Interactions in Nuclei	\$350,000
1/9/2017	Towsley, Donald F	Army Research Lab (ARL)	Multipath Data Transport	\$30,000
1/10/2017	Peltier, Richard E	MA Department of Energy Resources	Wood System Emissions and Public Health Assessment	\$150,000
1/10/2017	Knodler, Michael A	MA Dept of State Police	Toolkit & Mapping (CVSP) for MSP CVES - UMassSafe Project Proposal, FY17 BD-17-1084-POLCM-18110-00000009072	\$50,000
1/10/2017	Johnson, Eric S	Pittsfield City of	Intensive Survey for Springside House Drainage and Rehabilitation Project, Pittsfield, MA	\$15,885
1/10/2017	Lockwood, Rebecca M	MA Dept of Public Health (DPH)	CWC Rural Sexual & Domestic Violence DPH Grant Supplement #5 - Integrating Inference and Complex Event	\$4,289
1/13/2017	Shenoy, Prashant	National Aero and Space Administration (NASA)	Processing for RFID-based Logistics	\$45,000
1/13/2017	Sullivan-Werner, Lisa A	MA Dept of Transitional Assistance	Supplemental Nutrition Assistance Program Education (SNAP-Ed) FY2017	\$3,686,657

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Sullivan-	1/13/2017	Werner, Lisa A	MA Dept of Transitional Assistance	Supplemental Nutrition Assistance Program Education (SNAP-Ed) FY2017	\$3,686,657
Sullivan-	1/13/2017	Werner, Lisa A	US Dept of Agriculture (USDA)	Supplemental Nutrition Assistance Program Education (SNAP-Ed) FY2017	\$3,686,657
	1/17/2017	Crosby, Alfred J	Office of Naval Research (ONR)	2017 BRC Topic # 1-A Multiscale Theoretical and Experimental Platform for Understanding Cavitation D	\$75,000
	1/17/2017	Yang, Jianhua	Air Force Research Laboratory	Memristor Crossbar Arrays for Analog and Neuromorphic Computing	\$53,009
	1/17/2017	Hayward, Ryan C	Air Force Research Laboratory	Dynamic shaping and optical response of plasmonic nanocomposite liquid crystal elastomers	\$50,000
	1/19/2017	Armstrong, Meghan E	National Science Foundation (NSF)	Doctoral Dissertation Research: Rhotic variation in the Spanish spoken by Puerto Ricans in Puerto Rico and Western Massachusetts	\$17,880
	1/19/2017	Mazumdar, Arya	National Science Foundation (NSF)	CAREER: Reliability in Large-Scale Storage NSF Number 1453121	\$217,524
	1/20/2017	Saha, Barna	National Science Foundation (NSF)	CAREER: Efficient Fine-grained Algorithms	\$207,336
	1/20/2017	Ross, Jennifer L	National Science Foundation (NSF)	INSPIRE Track 1: Condensed Phases and Transitions of Cellular Patterns	\$5,400
	1/20/2017	Evans, David R	Agency for International Development (AID)	Afghanistan University Support and Workforce Development Program Subcontract	\$6,929
	1/23/2017	Strieter, Eric	National Institutes of Health (NIH)	Understanding the Function of Deubiquitinases Using Chemical Tools	\$32,064
	1/24/2017	Johnson, Eric S	Town of Brookfield	Brookfield Adena Archaeological Survey Project	\$35,000
	1/24/2017	Andrew, Trisha L	Air Force Office of Scientific Research (AFOSR)	Investigating Exciton and Charge Transport in Spin-Polarized Organic Thin-Films	\$130,000
	1/24/2017	Lackner, Matthew A	US Dept of Energy (DOE)	Collegiate Wind Competition--Modification #2	\$5,000

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1/24/2017	Kawall, David M	US Dept of Energy (DOE)	Precision tests of QCD and the Standard Model	\$418,000
1/24/2017	Giavalisco, Mauro	National Aero and Space Administration (NASA)	Spatially-Resolved Stellar Populations and Dust in Distant Galaxies	\$4,903
1/24/2017	Manwell, James F	MA Clean Energy Center	Development of National Offshore Wind Research Agenda	\$50,000
1/25/2017	Johnson, Eric S	Town of Shutesbury	UM 756 additional funds for Archaeological Monitoring and Report Review of an Archaeological TCP survey of proposed solar development on behalf of the Shutesbury Planning Board	\$1,662
1/25/2017	Wick, Robert L Thayumanavan,	US Dept of Agriculture (USDA)	Regional Center for National Plant Diagnostic Network	\$21,600
1/25/2017	Sankaran Jacobson,	Army Research Office (ARO)	Specifically Triggerable Multi-Scale Responses in Organized Assemblies - Add On	\$1,125,000
1/26/2017	Jennifer Knodler,	MA Cultural Council	Juniper Initiative - FY17 Cultural Investment Portfolio (CIP) grant	\$4,200
1/26/2017	Michael A Knodler,	MA Dept of Transportation	On-the-Job Supportive Services Progam - 2017	\$105,539
1/26/2017	Michael A	Federal Highway Administration (FHA)	On-the-Job Supportive Services Progam - 2017	\$105,539
1/26/2017	Xia, Qiangfei Elkinton,	Army	Memristive Devices for Reconfigurable RF Systems (DARPA)	\$80,926
1/27/2017	Joseph S Mahadevan,	Forest Service (USFS)	Chemical and Visual Ecology of Exotic Wood-Boring Pests - FY17	\$57,795
1/27/2017	Sridhar	National Aero and Space Administration (NASA)	Remote, In Situ, and Synchrotron Studies for Science and Exploration	\$34,282
1/27/2017	Parente, Mario	Air Force	Multi-Modal Hyperspectral Surface Reflectance Properties Retrieval	\$26,936
2/3/2017	Gerson, Alexander	National Science Foundation (NSF)	Lean mass dynamics during flight and refueling in migratory birds: causes, consequences, and mechanisms.	\$256,920
2/3/2017	Xiao, Hang	National Aero and Space Administration (NASA)		\$150,000

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	2/3/2017	Tew, Gregory N Offner, Stella S.	US Dept of Education (DOED)	GAANN: Enabling Transformation in Polymer Science	\$393,704
	2/3/2017	R.	National Science Foundation (NSF)	CAREER: The Role of Stellar Feedback in Star Formation Mechanisms of membrane transport revealed through high-throughput studies	\$429,054
	2/3/2017	Chen, Min Jackson,	National Science Foundation (NSF)		\$210,324
	2/6/2017	Raymond E	MA Department of Energy Resources	Campus, Rooftop and Parking Canopy PV Systems	\$500,000
	2/7/2017	Horn, Linda R	US Dept of Agriculture (USDA)	MA 2017 4-H Military Partnership	\$20,000
	2/7/2017	Griffin, Curtice R Calabrese,	Forest Service (USFS)	Science in support of support of conservation and management of northeastern ecosystems - 13-JV-11242307-075 Modification #8	\$115,000
	2/7/2017	Edward J Mountziaris,	Air Force Office of Scientific Research (AFOSR)	Enhancing Biological Performance: Occurrence, Mechanisms and Applications	\$270,387
	2/7/2017	Triantafillos J	National Science Foundation (NSF)	IPA Appointment as Program Director in the NSF Process and Reaction Engineering Program	\$306,181
	2/8/2017	Ho, Carlton L Knodler,	Federal Railroad Administration	Moisture Sensitive Ballast Fouling Measurement Tool	\$81,072
	2/8/2017	Michael A Vierling,	MA Dept of Transportation	UMTC One Center - Amendment 1	\$30,000
	2/8/2017	Elizabeth	National Science Foundation (NSF)	RET Supplement: Linking Reactive Nitrogen Metabolism and Redox Homeostasis in Plants	\$12,025
	2/8/2017	Guha, Arjun Henson,	National Science Foundation (NSF)	REU SUPPLEMENT FOR NeTS: Large: Collaborative Research:Programmable Inter-Domain Observation and Control	\$16,000
	2/8/2017	Michael A	Army Research Office (ARO)	Development of Robust Microbial Communities through Engineered Biofilms	\$120,000
	2/8/2017	Lovley, Derek R Bardin, Joseph	Office of Naval Research (ONR)	Rewiring a Microbial Chassis to Optimize Electrosynthesis	\$165,807
	2/8/2017	C	Office of Naval Research (ONR)	Superconducting Nanowire Quantum Samplers	\$195,393

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2/10/2017	Petersen, Sandra L	National Institutes of Health (NIH)	Dioxin and estradiol regulation of proteins through Cugbp2	\$235,043
2/10/2017	Jackson, Scott D	US Fish and Wildlife Service (FWS)	Development of a Rapid Assessment Protocol for Aquatic Passability of Tidally Influenced Road-Stream Crossings: Supplement for Database Maintenance	\$18,000
2/10/2017	Qian, Jing	National Institutes of Health (NIH)	Statistical Methods for Censored and Dependently Truncated Data	\$45,013
2/13/2017	Roy, Allison H	MA Division of Fisheries and Wildlife (DFW)	Brook Floater Rangewide Conservation and Restoration Initiative	\$346,166
2/13/2017	Roy, Allison H	US Fish and Wildlife Service (FWS)	Brook Floater Rangewide Conservation and Restoration Initiative	\$346,166
2/13/2017	Towsley, Donald F	US Dept of Energy (DOE)	RAMSES: Robust Analytical Models for Science at Extreme Scales	\$144,000
2/13/2017	Calzetti, Daniela	National Aero and Space Administration (NASA)	Precision Studies of Galaxy Growth and Cosmology Enabled Through a Physical Model for Nebular Emission	\$53,000
2/13/2017	Narayanan, Gopalakrishnan	Smithsonian Astrophysical Observatory	The Event Horizon Telescope Experiment	\$116,447
2/13/2017	Narayanan, Gopalakrishnan	National Science Foundation (NSF)	The Event Horizon Telescope Experiment	\$116,447
2/14/2017	Russell, Thomas P	National Science Foundation (NSF)	SNM: Scalable 3D Nanomanufacturing Combining Ultrafast Laser Processing and Directed Self-Assembly	\$101,474
2/14/2017	Russell, Thomas P	National Science Foundation (NSF)	Developing an Imaging Tool to Investigate the Dynamics of Nanoparticles in 2D	\$149,082
2/14/2017	Hacking, Paul A	National Science Foundation (NSF)	Collaborative Research: AGNES: Algebraic Geometry NorthEastern Series	\$100
2/14/2017	Goeckel, Dennis L	National Science Foundation (NSF)	CIF: Small: Everlasting Security for Disadvantaged Wireless Communications	\$14,000

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	2/14/2017	Katsoulakis, Markos	Army Research Office (ARO)	Information Metrics for Reliable Uncertainty Quantification in Materials Design	\$182,977
	2/15/2017	Vazey, Elena	National Institutes of Health (NIH)	4/8: INIA Stress and Chronic Alcohol Interactions: Impact of stress mediated locus coeruleus dysregulation on cognitive control and excessive drinking	\$319,000
	2/15/2017	Tripp, Todd M	National Aero and Space Administration (NASA)	The Perseus Project: Proving Metal Mixing, Dust Destruction, and Kinematics in the Vertical Extension of the Perseus Arm	\$25,132
	2/17/2017	Schiffman, Jessica D	National Science Foundation (NSF)	EAGER: Confining Biofouling Using Sticky Stripes	\$100,000
	2/21/2017	Warren, Paige S	National Science Foundation (NSF)	CAP LTER: Central Arizona Phoenix Long-Term Ecological Research	\$14,816
	2/21/2017	Gutermuth, Robert A.	National Aero and Space Administration (NASA)	Investigating Star-Gas Correlation and Evolution in the 100pc Cygnus-X Complex	\$65,328
	2/22/2017	Penniman, Bruce M	US Dept of Education (DOED)	2017 NWP Advanced Institute to Scale Up the College-Ready Writers Program	\$20,000
	2/22/2017	Bartlett, Madelaine	National Science Foundation (NSF)	PGRP: Dissecting the genomic architecture of functional redundancy to modulate meristem homeostasis and crop yields	\$191,926
	2/23/2017	Zilberstein, Shlomo	Spawarsyscen-SD	Planning for Collaboration with Imprecise Models (DARPA)	\$79,998
	2/23/2017	Allan, James	National Science Foundation (NSF)	Automated Controversy Detection	\$50,000
	2/23/2017	Sherman, Mila G	National Science Foundation (NSF)	Digging into High Frequency Data: Present and Future Risks and Opportunities	\$196,518
	2/23/2017	De Bruyn Kops, Stephen M	Office of Naval Research (ONR)	Stratified Turbulence with High Dynamic Range (DARPA)	\$60,000
	2/23/2017	Hayward, Ryan C	Defense Threat Reduction Agency	Switchable surface instabilities for controlled permeation and sensing	\$300,309

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2/24/2017	Modarres-Sadeghi, Yahya	MA Clean Energy Center	A collaborative project with NASA Langley to use their SansEC sensors for wildlife collision detection on wind turbines	\$64,845
2/24/2017	Rotello, Vincent M	National Institutes of Health (NIH)	Immunomodulation through Nanocapsule-Mediated Cytosolic Delivery of siRNA	\$190,473
2/24/2017	Russell, Thomas P	Office of Naval Research (ONR)	Printing Fabrication and Morphology Optimization of Thin Film Solar Cells Under In-Line Conditions	\$30,000
2/24/2017	Balasubramanian, Raji	National Institutes of Health (NIH)	Statistical Methods for large-scale, prospective, epidemiologic studies Yr2 progress report for Yr3 funding	\$391,517
2/24/2017	Willocq, Stephane Y	US Dept of Energy (DOE)	PECASE: Morphology and Architecture Control for Understanding the Origin of Efficiency in Organic/Polymer Bulk Heterojunction Solar Cells	\$660,000
2/24/2017	Briseno, Alejandro L	Office of Naval Research (ONR)	10:1 PUMA and Low Cross-Polarization Notch Arrays	\$200,000
2/24/2017	Vouvakis, Marinos N	Naval Research Laboratory	Northeast LSAMP Senior Alliance 2016-2021	\$10,000
2/28/2017	Dumont, Elizabeth R	National Science Foundation (NSF)	Procurement of a Mobile Sampling Truck	\$62,193
3/2/2017	Peltier, Richard E	MA Clean Energy Center	MCC Org Support	\$22,000
3/2/2017	Devi, Ranjanaa Kong,	MA Cultural Council	Multilevel determinants of male circumcision uptake, Rakai, Uganda	\$4,300
3/2/2017	Xiangrong Castaneda, Isla	National Institutes of Health (NIH)	Earth System Dynamics and its Role in Human Evolution in Africa	\$47,902
3/2/2017	S	National Science Foundation (NSF)	Medication Adherence, Health Literacy and Health Beliefs in a Massachusetts Community Health Center	\$4,968
3/3/2017	Shaw, Susan Palmer, Richard	National Institutes of Health (NIH)	DOI Northeast Climate Science Center	\$363,453
3/3/2017	N	Geological Survey (USGS)		\$530,113

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3/3/2017	W Hyers, Robert	National Aero and Space Administration (NASA)	Modeling and Experiments on the MSL-EML	\$75,000
3/3/2017	Kosanovic, Dragoljub B	US Dept of Energy (DOE)	UMass Industrial Assessment Center Program	\$100,000
3/3/2017	Thayumanavan, Sankaran	National Institutes of Health (NIH)	Supramolecular Assemblies for Detecting Biomarkers in Complex Mixtures	\$287,036
3/6/2017	Li, Genglin	National Institutes of Health (NIH)	High-fidelity synaptic transmission from hair cells to auditory afferent fibers	\$333,641
3/6/2017	Avrunin, George S	National Institutes of Health (NIH)	Developing Standardized Intraoperative Process Models to Enhance Surgical Outcomes and Safety	\$184,667
3/7/2017	Gutermuth, Robert A.	National Aero and Space Administration (NASA)	Reconciling the Census of Forming Stars in Gould s Belt	\$52,502
3/7/2017	Park, Joonkoo	National Science Foundation (NSF)	CAREER: Neural investigations of magnitude processing as a pathway to understanding mathematical thinking	\$134,962
3/8/2017	Cooley, Daniel R	US Dept of Agriculture (USDA)	A New England Tree Fruit Management Guide for the Next Generation	\$19,991
3/9/2017	Learned-Miller, Erik G	Intelligence Advanced Research Projects Activity (IARPA)	IARPA Janus UMass Subcontract Proposal (IARPA)	\$198,147
3/9/2017	Rietman , Edward	Office of Naval Research (ONR)	From Neuroscience to Computer Science: Multiple parallel networks and Big Data Science	\$75,000
3/9/2017	Yang, Jianhua	Air Force Research Laboratory	Memristor Crossbar Arrays for Analog and Neuromorphic Computing	\$38,500
3/9/2017	Hayward, Ryan C	Army Research Office (ARO)	Chemo-mechanical polymer constructs for feedback, homeostasis, and oscillation	\$32,917
3/9/2017	Crosby, Alfred J	Office of Naval Research (ONR)	"2017 BRC Topic # 1-A Multiscale Theoretical and Experimental Platform for Understanding Cavitation D"	\$250,000

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3/10/2017	R Adrion, William	National Science Foundation (NSF)	Collaborative Research: Special Projects (CNS): BPC-A: Expanding Computing Education Pathways (ECEP) Alliance - REU Supplement	\$16,000
3/10/2017	Hill, Matthew J	National Park Service	Mt Rushmore Ethnographic Overview and Assessment	\$102,194
3/10/2017	Destefano, Stephen	Geological Survey (USGS)	US Geological Survey (USGS) Cooperative Agreement No. 1434-16HQRU01575	\$0
3/15/2017	Campbell- Nelson, Katherine A	MA Dept of Agricultural Resources	Vegetable Winter School - ISA	\$9,000
3/15/2017	Danylchuk, Andy J	MA Dept of Agricultural Resources	FY2017 Massachusetts Aquaculture Center Funding	\$11,250
3/15/2017	Kinchla, Amanda J	MA Dept of Agricultural Resources	Establish FDA approved scheduled processes for acidified shelf-stable foods to increase usage of specialty crops	\$24,286
3/15/2017	Krezmien, Michael P	MA Exec Off of Public Safety & Security	Holyoke/Chicopee Shannon LARP	\$42,500
3/15/2017	Kinchla, Amanda J	US Dept of Agriculture (USDA)	Establish FDA approved scheduled processes for acidified shelf-stable foods to increase usage of specialty crops	\$24,286
3/16/2017	Ma, Li-Jun	National Science Foundation (NSF)	CAREER: Understanding effector biology in the species complex Fusarium oxysporum	\$144,404
3/20/2017	Brown, Amanda E	MA Dept of Agricultural Resources	UMass-Amherst Student Farm Food Safety Improvement	\$9,832
3/20/2017	MacDonald, Dana D	MA Division of Fisheries and Wildlife (DFW)	ISA with Massachusetts Division of Fisheries and Wildlife	\$9,750
3/20/2017	Towsley, Donald F	Spawarsyscen-SD	Edge-Directed Cyber Technologies (EdgeCt)(DARPA)	\$65,228
3/20/2017	Lockwood, Rebecca M	MA Dept of Public Health (DPH)	Sexual Assault Prevention & Survivor Services	\$19,583

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3/20/2017	Lockwood, Rebecca M	US Dept of Health and Human Services (DHHS)	Sexual Assault Prevention & Survivor Services	\$19,583
3/20/2017	Russell, Thomas P	Office of Naval Research (ONR)	Printing Fabrication and Morphology Optimization of Thin Film Solar Cells Under	\$60,000
3/20/2017	Miklau, Gerome A	Spawarsyscen-SD	System P: A Data Analytics Engine With Customizable Privacy and Optimized Utility	\$468,000
3/20/2017	Crosby, Alfred J	US Dept of Defense (DOD)	Evolutionary mechanics of impulsive biological systems: guiding scalable synthetic design	\$130,730
3/21/2017	Parkin, Samuel, Siby	New England Transportation Consortium	NETC 15-2 "Using the New SHRP2 Naturalistic Driving Study Safety Databases to Examine Safety Concerns for Older Drivers"	\$150,000
3/21/2017	Towsley, Georgianna E	Small Business Administration (SBA)	Massachusetts Small Business Development Center	\$887,316
3/22/2017	Pachucki, Mark	Army Research Lab (ARL)	International Technology Alliance	\$44,044
3/22/2017	C	National Institutes of Health (NIH)	Promoting employee health through the worksite food environment	\$7,358
3/23/2017	Kundu, Sandip	National Science Foundation (NSF)	IPA - NSF Program Manager	\$276,584
3/23/2017	Cooley, Daniel	CT Agricultural Experiment Station	Evaluate the efficacy of organic materials in controlling fire blight in New England	\$10,069
3/23/2017	R	Nat'l Institute of Food and Agriculture (NIFA)	Evaluate the efficacy of organic materials in controlling fire blight in New England	\$10,069
3/24/2017	Woodruff, Jonathan D	Nat'l Oceanic and Atmospheric Admin (NOAA)	Quantifying effects of dam removal on sediment transport and wetland sustainability in the Hudson River estuary	\$121,032
3/24/2017	Fermann, Justin	National Science Foundation (NSF)	REU Site: Collaborative Undergraduate Research in Energy	\$320,000
3/24/2017	Prokofiev, Nikolay V	Air Force Office of Scientific Research (AFOSR)	Advanced Quantum Materials - A new frontier for ultracold atoms (DARPA)	\$40,000

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Kleinman,				Decreasing Bioburden to Reduce Healthcare-Associated Infections and Readmissions Yr 2 Progress Report for Yr 3 funding	
3/27/2017	Kenneth	National Institutes of Health (NIH)			\$98,381
3/28/2017	Tripp, Todd M	National Aero and Space Administration (NASA)		What is a Galaxy Halo Really Like?	\$17,341
	Gruppen,			Representing and Exploiting Cumulative Experience with Objects for Autonomous Manipulation	
3/28/2017	Roderic A	National Aero and Space Administration (NASA)			\$130,000
	Reeves,			Phthalate metabolites and breast cancer risk in the Women s Health Initiative	
3/28/2017	Katherine W	National Institutes of Health (NIH)			\$551,850
3/28/2017	Emrick, Todd S	Army Research Office (ARO)		Responsive Polymer Assembly at the Mesoscale	\$24,194
				CAREER: Sensing as a Service: Architectures for Closed-loop Sensor Network Virtu	
3/30/2017	Zink, Michael	National Science Foundation (NSF)			\$81,393
	Dhankher, Om			Improving the quality of rice by identifying targets to restrict arsenic accumulation	
3/31/2017	Parkash	Nat'l Institute of Food and Agriculture (NIFA)			\$47,624
	Kittredge Jr.,			Research Joint Venture Agreement between USFS & UMASS (16-JV-11242305-041)	
3/31/2017	David B	Forest Service (USFS)			\$120,012
	Watkins, James			Low Cost Durable Masters for Pattern Transfer I-Corps Teams Program	
3/31/2017	J	National Science Foundation (NSF)			\$50,000