

**Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2024 - Quarter Q1 as of 4/1/2024 1:40:17 PM**

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
1/2/2024	Lee, Chi Hyun	NIH-NATIONAL INSTITUTES OF HEALTH	Statistical methods for breast cancer survival using the restricted mean survival time	\$75,041
	Melnik, Mark A	MA DEVELOPMENT FINANCE AGENCY	MassDev Military Update FY24	\$45,500
1/3/2024	Cooke, Michele L	U.S. GEOLOGICAL SURVEY	ShakeAlert Joint Committee for Communication, Education, Outreach, and Technical Engagement (JCCEO&TE) 2023 IPA	\$87,000
			Simulating the evolution of stress over the past 7 ka along the Wasatch fault system in Utah	\$105,634
	Ping, Jinglei	NIH-NATIONAL INSTITUTES OF HEALTH	Highly Integrated Nucleic-Acid Analysis Using Graphene Bioelectronics	\$170,348
1/4/2024	Bowers, Lacresha D	MA DEPT OF TRANSITIONAL ASSISTANCE	Supplemental Nutrition Assistance Program Education (SNAP-Ed): FY2024	\$4,830,625
	Catanzaro, Paul F	MA DEPT OF CONSERVATION AND RECREATION	UMass Amherst Forest Partnership Estate Planning Outreach Services Implementation Plan	\$229,997
	Tobiason, John E	MA DEPT OF ENVIRONMENTAL PROTECTION	Emerging Contaminants- Small and Disadvantaged Community Program (EC-SDC)	\$471,288
1/5/2024	Roy, Alison H	U.S. GEOLOGICAL SURVEY	Factors Influencing Freshwater Productivity of Juvenile River Herring - Doris Duke Conservation Scholars Program Mentorship	\$50,600
1/8/2024	Knodler Jr, Michael A	MA DEPT OF STATE POLICE	UMASSSAFE DEVELOPMENT AND MONITORING OF COMMERCIAL VEHICLE SAFETY PLAN AND ONGOING CRASH DATA ANALYSIS (FFY24 for FFY25 CVSP)	\$174,999
	Vargas, Yasmine	U.S. DEPT OF HEALTH AND HUMAN SERVICES	National Center on Program Management and Fiscal Operations (NCPMFO)	\$256,614
1/10/2024	Crivelli, Katherine M	TOWN OF BELCHERTOWN	Belchertown Civilian Advocate Project	\$75,245
	Jackson, Scott D	MA DEPT OF ENVIRONMENTAL PROTECTION	UMass Role in Developing Tidal Stream Crossing Standards and Support for Development of a Statewide Hydraulic Model: Phase 3a and 3b	\$25,000

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1/10/2024	Lacreuse, Agnes C	NIH-NATIONAL INSTITUTES OF HEALTH	Impact of brain estrogens on cognition and brain aging in a non-human primate	\$469,701
	Melnik, Mark A	MA SECRETARY OF STATE	SOC Pop Estimates FY23	\$312,500
	Svistunov, Boris V	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Worm Algorithm and Diagrammatic Monte Carlo for Strongly Correlated Condensed Matter Systems	\$340,000
1/12/2024	Schneider, Jack E	MA DEPT OF ELEMENTARY & SECONDARY ED	Education Commonwealth Project	\$109,452
	Siqueira, Paul R	NATIONAL AERO AND SPACE ADMINISTRATION	SNOWWI: Snow Water-equivalent Wide Swath Interferometer and Scatterometer	\$1,756,912
1/17/2024	Freyman, Richard L	NIH-NATIONAL INSTITUTES OF HEALTH	Spatial hearing in complex sound fields	\$353,065
	Gordon, Jennifer R	MA DEPT OF ELEMENTARY & SECONDARY ED	DESE Influence 100 Rebid FY23	\$20,000
	Herman, Amanda A	MASSACHUSETTS CULTURAL COUNCIL	Festivals and Projects Grant: University Museum of Contemporary Art (Courtney M Leonard: Breach Logbook 24/ Staccato)	\$2,500
	Kireev, Dmitry	NATIONAL SCIENCE FOUNDATION	EAGER: Aptamer-Infused Graphene Transistor Tattoos as Temporary Sweat Biosensing Platform	\$199,991
	Krause, Elizabeth L	NATIONAL SCIENCE FOUNDATION	Doctoral Dissertation Research: Citizenship in the City: Everyday Possibilities and Constraints of Political Agency in South Central Los Angeles	\$31,500
	Timme-Laragy, Alicia	NIH-NATIONAL INSTITUTES OF HEALTH	Activation of Nrf2 during embryonic development: mechanisms and consequences	\$410,151
1/18/2024	Xia, Qiangfei	OFFICE OF NAVAL RESEARCH	Defects, noise, and coupled ionic-electronic transport in neuromorphic devices	\$100,000
1/19/2024	Gleason, Colin J	NATIONAL AERO AND SPACE ADMINISTRATION	Developing, testing, and operationalizing a cloud-based open-source system to produce a global SWOT discharge product and advance the science of discharge estimation.	\$63,919

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1/22/2024	Melnik, Mark A	MA DEPT. OF HOUSING & COMMUNITY DEVELOP	CHAMP FY24 Earmark	\$65,000
	Yao, Jun	U.S. ARMY RESEARCH OFFICE	Interfacing Bio-amplitude Neuromorphic Devices with Cells	\$218,821
1/24/2024	Dhankher, Om Parkash	NIH-NATIONAL INSTITUTES OF HEALTH	A novel strategy for arsenic phytoremediation	\$200,000
	Vazey, Elena	NIH-NATIONAL INSTITUTES OF HEALTH	3/8: INIA Stress and Chronic Alcohol Interactions: Norepinephrine and corticostriatal circuit regulation of cognitive effort after chronic alcohol and stress	\$414,763
	Vierling, Elizabeth	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Defining functions of an essential, conserved protein that uniquely links the mitochondrial matrix with the cytoplasm	\$8,661
1/25/2024	Attanasio, Laura	NIH-NATIONAL INSTITUTES OF HEALTH	Hospital quality, processes of care, and racial disparities in birth mode for individuals with a prior cesarean	\$181,577
1/26/2024	Irwin, David E	NATIONAL SCIENCE FOUNDATION	REU Site: Computing for an Equitable Energy Transition	\$20,000
1/29/2024	Dixon-Gordon, Katherine L	NIH-NATIONAL INSTITUTES OF HEALTH	EMERGE: Ecological Momentary Evaluation of Responses to Gain/Loss and Emotions	\$345,760
	Fritz-Laylin, Lillian	NIH-NATIONAL INSTITUTES OF HEALTH	Defining mechanisms of mitotic spindle organization in Naegleria	\$69,500
	McLandsborough, Lynne A	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY23 FORMULA FUNDS: HATCH ACT REGULAR Research	\$5,740
	Melnik, Mark A	MASSHIRE MERRIMACKVALLEY WORFORCE BOARD	MMVWB Northeast Blueprint FY24	\$39,285
	Sun, Yubing	NATIONAL SCIENCE FOUNDATION	Innervating stackable neural organoid slices with tissue-like mesh electrodes for improved neural circuit development and characterization	\$564,510
1/30/2024	Deconto, Robert M	WORLD CLIMATE RESEARCH PROGRAMME	Supplementary Support: Climate and Cryosphere (CliC) Project Office	\$79,361

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1/31/2024	Boutt, David F	TOWN OF PLYMOUTH	Engineering/Consultant Services to Assess Interaction Between Groundwater and Savery Pond, Etc.	\$34,800
	Randhir, Timothy O	MA DEPT OF ENVIRONMENTAL PROTECTION	The Acid Rain Monitoring Project - FY24	\$40,454
	Raymond, Annie	NATIONAL SCIENCE FOUNDATION	CAREER: Graph Profiles: Complexity and Computations	\$83,130
2/1/2024	Arroyo, Ivon M	NATIONAL SCIENCE FOUNDATION	Development and Impact Assessment of an Interactive Online System for Computer Science Ethics Education	\$651,238
	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$5,350
	Venkataraman, Dhandapani	NATIONAL SCIENCE FOUNDATION	Methods to Mitigate Dopant-Induced Disorder in Organic Electronic Materials	\$183,353
2/2/2024	Fritz-Laylin, Lillian	NATIONAL SCIENCE FOUNDATION	CAREER: The developmental response of a parasitic chytrid fungus to amphibian mucus	\$200,000
	Zhou, Shuang	NATIONAL SCIENCE FOUNDATION	CAREER: Chiral active nematic liquid crystals	\$141,697
2/5/2024	Pak, ChangHui	NIH-NATIONAL INSTITUTES OF HEALTH	Molecular dissection of synaptic dysfunction in mental disorders	\$398,747
2/7/2024	Bradley, Bethany A	U.S. FOREST SERVICE	Biodiversity implications of climate adaptation strategies	\$75,406
	Jordaan, Peter A	U.S. GEOLOGICAL SURVEY	Increasing Tribal climate adaptive capacity for coastal resources in the Northeast	\$138,802
	Thayumanavan, Sankaran	U.S. ARMY RESEARCH OFFICE	Reactive Chemical Systems: Modulation of Reactivity through Responsive Supramolecular Assemblies for Triggering..	\$72,899
	Wu, Nianqiang	NIH-NATIONAL INSTITUTES OF HEALTH	A Portable Lateral Flow Device for Self-Testing of HIV	\$459,543

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2/8/2024	Russell, Thomas P	NATIONAL SCIENCE FOUNDATION	Model 2D Ordering: Structure and Dynamics of Nanoparticles and Their Mixtures at Liquid Interfaces	\$262,098	
2/9/2024	Avery, Mary W	MA DEPARTMENT OF EARLY EDUCATION & CARE	EEC Central PDC FY24	\$350,000	
			EEC Pyramid Model FY24	\$450,000	
	Melnik, Mark A	MA DEVELOPMENT FINANCE AGENCY	MassDev Business Incubation FY24	\$16,000	
	Westgate, Zachary J	NATIONAL SCIENCE FOUNDATION	CONFERENCE: CET: Accelerating integrated Seabed Characterization for clean ENERGY Transition (ASCENT)	\$95,111	
2/13/2024	Morales Borrero, Alejandro H	NATIONAL SCIENCE FOUNDATION	Conference: Combinatorial Algebra Meets Algebraic Combinatorics	\$14,317	
2/14/2024	GUAN, HUI	NATIONAL SCIENCE FOUNDATION	CAREER: Adaptive Deep Learning Systems Towards Edge Intelligence	\$249,028	
	Melnik, Mark A	MA DEP ECONOMIC RESEARCH DATA RESOURCES	DER COL FY24	\$47,000	
			DER Migration FY24	\$86,300	
			TOWN OF PROVINCETOWN	Ptown Housing Needs FY24	\$72,750
	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$11,809	
2/15/2024	Lanier, Jason D	MA DEPT OF CONSERVATION AND RECREATION	MA DCR Forest Health Program	\$5,000	
	RODRIGUEZ, CIARA A	MASSACHUSETTS CULTURAL COUNCIL	Festival and Projects Grant: UMass Amherst Asian American Student Association	\$2,500	

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2/21/2024	Goff, Sarah L	NIH-NATIONAL INSTITUTES OF HEALTH	Effect of Medicaid Accountable Care Organizations on Behavioral Health Care Quality and Outcomes for Children	\$797,775
2/22/2024	Vazey, Elena	NIH-NATIONAL INSTITUTES OF HEALTH	Locus coeruleus ensembles in active avoidance and reward seeking	\$47,694
2/23/2024	Catanzaro, Paul F	NORTHERN RESEARCH STATION (USFS)	Wood Utilization Project	\$254,947
	Thayumanavan, Sankaran	NIH-NATIONAL INSTITUTES OF HEALTH	Protein-Induced Self-Assembly and Disassembly of Nanostructures Based on Oligomers and Polymers	\$461,731
2/28/2024	Brun, Yuriy	DEFENSE ADV RESEARCH PROJECTS AGENCY	Formal Methods Proof Synthesis using Large Language Models	\$750,000
2/29/2024	Paredes, Cliff A	MA OFFICE OF INTERNATIONAL TRADE	Training for state STEP award provided by the Mass Export Center for FY24	\$20,000
	Russell, Thomas P	U.S. ARMY RESEARCH OFFICE	Adaptive Assemblies of Soft Matter at Interfaces	\$141,167
3/1/2024	Crivelli, Katherine M	TOWN OF AMHERST	Town of Amherst Civilian Advocate Project	\$240,717
	Melnik, Mark A	MASSACHUSETTS CLEAN ENERGY CENTER	MassCEC Bond Bill FY24	\$20,100
3/4/2024	Carter, Jacob A	MA DEPARTMENT OF TRANSPORTATION	A Proposal to Implement Transportation/Highway Industry Pre-Apprenticeship Training Services: Community Works Year Three (2024-2025)	\$215,790
	Jackson, Scott D	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY24 FORMULA FUNDS: Renewable Resources Extension Act Program (RREA)	\$18,579
	McLandsborough, Lynne A	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY24 FORMULA FUNDS: HATCH ACT MULTI-STATE Research	\$372,202
FY24 FORMULA FUNDS: HATCH ACT REGULAR Research			\$777,797	

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3/4/2024	McLandsborough, Lynne A	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY24 FORMULA FUNDS: SMITH LEVER ACT CAPACITY GRANT	\$1,167,162
3/5/2024	Hyers, Robert W	NATIONAL AERO AND SPACE ADMINISTRATION	Modeling and Simulation of Electrostatically Levitated Multiphase Liquid Drops	\$50,000
	Kosanovic, Dragoljub B	U.S. DEPARTMENT OF ENERGY	UMass Industrial Assessment Center Program	\$7,483
	Melnik, Mark A	MA DEPARTMENT OF PUBLIC HEALTH	DPH Small Area POP Estimates FY24	\$140,000
	Poehler, Eric E	NATIONAL ENDOWMENT FOR THE HUMANITIES	Pompeii's Artistic Landscape	\$45,000
	Rahimi, Razieh	NATIONAL SCIENCE FOUNDATION	CAREER: Explanation-based Optimization of Diversified Information Retrieval to Enhance AI Systems	\$197,972
	Vardatira, Sharon M	EXECUTIVE OFFICE OF THE TRIAL COURT	Trial Court Guardianship	\$117,725
	Wang, Daniel Q	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	The tadpole galaxy Kiso 5639: a laboratory for high-energy astrophysics of metal-poor starburst	\$30,380
3/7/2024	NIFFENEGGER, ROBERT	NATIONAL SCIENCE FOUNDATION	CAREER: Quantum Computing - Trapped ion QPU with integrated photonics	\$497,854
	Rotello, Vincent M	NIH-NATIONAL INSTITUTES OF HEALTH	Targeting of Bioorthogonal Chemotherapeutic Nanozymes to Tumor-Associated Macrophages	\$388,566
3/8/2024	Vardatira, Sharon M	MA DEPARTMENT OF MENTAL HEALTH	DMH CBHKC FY24	\$14,320
3/12/2024	McLandsborough, Lynne A	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY24 FORMULA FUNDS: Expanded Food and Nutrition Education Program (EFNEP)	\$426,484
			FY24 FORMULA FUNDS: McIntire-Stennis - Pre-Estab	\$176,625

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3/12/2024	Perry, Sarah L	NATIONAL SCIENCE FOUNDATION	CAREER: Nature-Inspired Strategies for Protein Stabilization	\$143,016
3/13/2024	Moorman, David	NATIONAL SCIENCE FOUNDATION	CAREER: Frontal cortical ensemble regulation of response execution and inhibition	\$50,000
3/14/2024	Knodler Jr, Michael A	FEDERAL HIGHWAY ADMINISTRATION	Northeast Collaborative to Optimize Work Zone Safety Guidelines	\$63,137
3/15/2024	Coelho Lopes de Sa, Rafael	NATIONAL SCIENCE FOUNDATION	CC* Networking Infrastructure: Enabling Big Science and Big Data Projects at the University of Massachusetts	\$337,363
	Gleason, Colin J	NATIONAL AERO AND SPACE ADMINISTRATION	A hosted analytic collaborative framework for global river water quantity and quality from SWOT, Landsat, and Sentinel-2	\$210,788
3/19/2024	Ping, Jinglei	NATIONAL SCIENCE FOUNDATION	CAREER: Highly Rapid and Sensitive Nanomechanoelectrical Detection of Nucleic Acids	\$429,832
3/21/2024	Reinhart, Peter H	NATIONAL SCIENCE FOUNDATION	ART:Facilitating Impactful New Entrepreneurs to Accelerate Research Translation (FINE ART)	\$5,500,000
3/26/2024	Katsumata, Reika	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Confinement Effects on Polymer Degradation in Nanocomposites	\$149,970
3/27/2024	Lopes, Mariana L	MA WATER RESOURCES AUTHORITY	Strategies for Minimizing Adverse Impacts of Natural Organic Matter in MWRA Finished Water and Distribution System Supply	\$450,000
3/28/2024	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$7,875
<b>Grand Total</b>				<b>\$31,847,942</b>

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