

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
10/2/2023	Holden, James F	NATIONAL AERO AND SPACE ADMINISTRATION	Competition among thermophilic autotrophs in resource-limited environments	\$72,725
10/3/2023	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$12,798
	Vasseur, Romain	U.S. DEPARTMENT OF ENERGY	Universality and complexity of non-equilibrium quantum dynamics	\$158,266
10/4/2023	DiRenzo, Graziella	U.S. GEOLOGICAL SURVEY	Strategic confiscation and placement of illegally collected turtles for maximizing conservation outcomes	\$77,278
	Woods, Julie A	NATIONAL PARK SERVICE	UMass Amherst FY2023 NAGPRA Repatriation Grant	\$15,000
10/5/2023	Bernardin, Thomas L	U.S. DEPARTMENT OF AGRICULTURE	Tools to Predict Migratory Bird Concentrations for Pro-active Avian Influenza Virus Biosecurity in Domestic Poultry	\$27,513
	Keiser, Ashley D	U.S. DEPARTMENT OF AGRICULTURE	Integrating living mulch into Massachusetts corn silage production to reduce nitrogen application, minimize nitrogen loss, and improve soil health	\$145,365
10/11/2023	Muthukumar, Murugappan	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Macromolecular Mechanisms of Biomimetic and Biological Assembly	\$250,000
	Vardatira, Sharon M	EXECUTIVE OFFICE OF THE TRIAL COURT	Trial Court Guardianship	\$41,200
10/12/2023	Andreadis, Konstantinos	U.S. GEOLOGICAL SURVEY	Thermal Calendars to Inform Management in a Changing Climate	\$388,812
	Boutt, David F	MA DEPT OF CONSERVATION AND RECREATION	MAP GROUNDWATER FLOODING VULNERABILITY UNDER CURRENT AND FUTURE CLIMATE CHANGE IN THE STATE, PHASE 2	\$100,000
10/19/2023	Chu, Weiqi	NATIONAL SCIENCE FOUNDATION	Model Reduction Methods for Extended Quantum Systems: Analysis and Applications	\$40,091
	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$5,007

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
10/20/2023	Hynes, Bridget A	U.S. DEPARTMENT OF EDUCATION	UMass Regular Upward Bound	\$309,466
	Pocar, Andrea P	NATIONAL SCIENCE FOUNDATION	nEXO: a Search for Neutrino-less Double Beta Decay with a Tonne-Scale Enriched Xenon Time Projection Chamber	\$81,138
10/23/2023	Baker, Erin D	U.S. DEPARTMENT OF ENERGY	UMass Amherst - Grid resilience and equity in the energy transition	\$995,000
	Kawall, David M	U.S. DEPARTMENT OF ENERGY	Medium Energy Nuclear Physics Research	\$20,000
10/24/2023	Paredes, Cliff A	MA OFFICE OF BUSINESS DEVELOPMENT	FY2024 MA Office of Business Development APEX Cash Match	\$153,680
10/25/2023	Knott, Kara C	U.S. DEPARTMENT OF EDUCATION	CCAMPIS: Child Care Access Means Parents In School	\$500,400
	Ramsey-Musolf, Michael	U.S. DEPARTMENT OF ENERGY	Fundamental Interactions in Nuclei	\$150,000
10/26/2023	Ai, Chengbo	FEDERAL HIGHWAY ADMINISTRATION	2023 Dwight David Eisenhower Graduate Fellowship - Remache-Patino	\$10,000
	Christofa, Eleni	FEDERAL HIGHWAY ADMINISTRATION	2023 Dwight David Eisenhower Graduate Fellowship - L Cesic	\$31,500
	Gonzales, Eric J	FEDERAL HIGHWAY ADMINISTRATION	2023 Dwight David Eisenhower Graduate Fellowship - T Coleman	\$31,500
	Jackson, Scott D	U.S. GEOLOGICAL SURVEY	Ecosystem-based Regional Connectivity to Inform Climate Refugia Networks	\$145,306
10/30/2023	Boscardin, Mary L	U.S. DEPARTMENT OF EDUCATION	Preparing The Next Generation of Culturally Responsive Leaders for the Administration of Special Education (NextGen)	\$249,970
11/1/2023	Bauer-Clapp, Heidi J	U.S. DEPARTMENT OF EDUCATION	Fulbright-Hays Doctoral Dissertation Research FY2023	\$38,399

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
11/1/2023	GROSSMANN, LUTZ K	NATL INSTITUTE OF FOOD AND AGRICULTURE	Design of Novel Post-Processing Diffusional Tenderization Techniques to Advance Anisotropic Plant Protein Textures	\$601,000
	Vardatira, Sharon M	MA DEPT OF DEVELOPMENTAL SERVICES	DDS Program Support & E-Learning FY24	\$309,000
		MA EXECUTIVE OFFICE OF HLTH & HUMAN SVC	EOHHS Training FY24	\$16,970
11/2/2023	Gordon, Jennifer R	MA DEPT OF ELEMENTARY & SECONDARY ED	DESE Homelessness FY24-FY25	\$399,871
	Morita, Yasu	NIH-NATIONAL INSTITUTES OF HEALTH	Cell envelope integrity in mycobacteria: interplay of lipoglycans, peptidoglycan, and capsular polysaccharides	\$171,148
11/6/2023	Park, Chul	NATIONAL SCIENCE FOUNDATION	Revolutionizing Wastewater Treatment: NaturaFloc's Path to Commercialization	\$50,000
	Vardatira, Sharon M	MA DEPT OF ENVIRONMENTAL PROTECTION	Continuation of DEP FERC	\$135,840
	Williams, Michael L	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Equipment: Acquisition of a Confocal Micro-Raman Spectroscopy System at the University of Massachusetts and Amherst College	\$33,829
11/7/2023	Jackson, Scott D	U.S. GEOLOGICAL SURVEY	Beyond temperature-only coldwater climate refugia: integration of process-guided deep learning models for flow and temperature into assessments for coldwater streams	\$15,163
	Knodler Jr, Michael A	FEDERAL MOTOR CARRIER SAFETY ADMIN	Promoting CMV Compliance in the ESC Region: Advancing Best Practices Through University and Law Enforcement Partnerships	\$938,616
11/8/2023	Whitehead, Hannah R	MA DEPT OF AGRICULTURAL RESOURCES	Creating Novel Extension Resources to Support MA Cut Flower Growers, and Promote Local Flowers	\$66,856
11/9/2023	Ai, Chengbo	MA DEPARTMENT OF TRANSPORTATION	Network-Level Sidewalk Condition Assessment in Massachusetts (Phase 1)	\$229,029
11/13/2023	Doherty, Jeffery J	MA DEPT OF AGRICULTURAL RESOURCES	FY24 ISA Massachusetts Pesticide Analytical Laboratory (MPAL) Services (FEDERAL)	\$79,200

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
11/14/2023	Albertson, Craig	NIH-NATIONAL INSTITUTES OF HEALTH	Genetic and developmental mechanisms that underlie craniofacial (co)variation	\$322,403
	BAILEY, STACYANN R	NIH-NATIONAL INSTITUTES OF HEALTH	The role of extracellular matrix quality in the prediction of metastasis-induced skeletal fragility and response to immunotherapy	\$392,617
	Brown, Casey M	INTERNATIONAL JOINT COMMISSION	International Kootenai Lake Board of Control Climate Change Vulnerability Assessment	\$135,000
	Narayanan, Gopalakrishnan	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	Mid-scale RI-1 (M1:DP): Next Generation Event Horizon Telescope Design	\$1,000,000
11/15/2023	Roy, Alison H	MA DIVISION OF FISHERIES AND WILDLIFE	Cooperative Research: Fisheries and Wildlife	\$2,000
11/16/2023	Breger, Dwayne S	MASSACHUSETTS CLEAN ENERGY CENTER	Preparing for Success: Restructuring Program Website and Branding, and Opening Undergraduate Pathways	\$123,754
	Lee, Jae-Hwang	ARMY RESEARCH LAB	CCE-MR-1: Designing Materials: Nanocomposite metamaterial armors	\$120,000
11/20/2023	Pobezinsky, Leonid A	NIH-NATIONAL INSTITUTES OF HEALTH	Defining post-transcriptional mechanisms that control CD8 T cell longevity, proliferation and differentiation	\$472,253
	Yao, Jun	NIH-NATIONAL INSTITUTES OF HEALTH	Bioinspired mechanogating biosensors for real-time biodetection	\$196,074
11/21/2023	Fissore, Rafael A	NIH-NATIONAL INSTITUTES OF HEALTH	Mammalian Fertilization: Identifying the second sperm factor that induces residual calcium oscillations and its contributions to egg activation	\$175,321
11/22/2023	Vardatira, Sharon M	EXECUTIVE OFFICE OF THE TRIAL COURT	Trial Court Guardianship	\$52,747
11/27/2023	Tobiason, John E	MA DEPT OF ENVIRONMENTAL PROTECTION	MassDEP Assistance Program for Lead in School/EECF Drinking Water FY24-25	\$1,850,000
11/28/2023	Catanzaro, Paul F	NATIONAL COUNCIL FOR AIR AND STREAM IMPR	Small-Area Estimation for FIAs National Woodland Owner Survey	\$137,992

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
11/30/2023	Gordon, Jennifer R	MA DEPT OF ELEMENTARY & SECONDARY ED	DESE AP STEM & English Yr. 12	\$204,925
12/1/2023	Kaltashov, Igor A	NIH-NATIONAL INSTITUTES OF HEALTH	An integrated mass spectrometry approach to study heparin structure-bioactivity	\$380,251
	Kwon, Do-Hoon	U.S. ARMY RESEARCH OFFICE	Radio Source Location using Dynamic, Cooperative Antenna Arrays	\$261,000
12/5/2023	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$22,812
	Yellen, Brian C	U.S. GEOLOGICAL SURVEY	Effects of urban coastal armoring on salt marsh sediment supplies and resilience to climate change	\$137,418
12/6/2023	Mathai, Varghese	NATIONAL SCIENCE FOUNDATION	CAREER: Fluid-Structure Interactions of Ultrasoft Shape-Morphing Membranes	\$445,999
	Paredes, Cliff A	MA OFFICE OF BUSINESS DEVELOPMENT	FY24 MA Office of Business Development MSBDC Cash Match	\$1,272,542
		SMALL BUSINESS ADMINISTRATION	FY2024 MA Small Business Development Center	\$356,160
	Whitehill, Jennifer M	NATIONAL INSTITUTE OF JUSTICE	Cannabis liberalization policies and trends in cannabis-related school-based discipline: Examining sociodemographic disparities in Massachusetts	\$111,000
12/7/2023	Thayumanavan, Sankaran	U.S. ARMY RESEARCH OFFICE	Reactive Chemical Systems: Modulation of Reactivity through Responsive Supramolecular Assemblies for Triggering..	\$150,131
12/8/2023	Goodell, Jody J	NATL INSTITUTE OF FOOD AND AGRICULTURE	FY22 FORMULA FUNDS: HATCH ACT MULTI-STATE Research	\$919,907
			FY22 FORMULA FUNDS: McIntire Stennis Capacity Grant	\$420,490
12/11/2023	Vardatira, Sharon M	MA DEPARTMENT OF PUBLIC HEALTH	DPH CCATER FY24	\$183,000

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
12/12/2023	Andreadis, Konstantinos	U.S. GEOLOGICAL SURVEY	Development of an Indigenous-led research agenda for restoration and stewardship of culturally significant plants for climate change adaptation in the northeast.	\$408,277
12/15/2023	Hankinson, Susan	NIH-NATIONAL INSTITUTES OF HEALTH	Metabolomic profile of chronic distress in relation to diseases of aging across diverse populations	\$710,996
	Melnik, Mark A	MASSACHUSETTS GAMING COMMISSION	MGC Sports Betting Diversity FY24-25	\$150,000
	Nguyen, Phuc	NATIONAL SCIENCE FOUNDATION	Collaborative Research: CCSS: Continuous Facial Sensing and 3D Reconstruction via Single-ear Wearable Biosensors	\$166,289
12/18/2023	He, Lili	NIH-NATIONAL INSTITUTES OF HEALTH	A novel approach of age-grading of mosquitoes using SERS and machine learning models	\$367,146
	Okte, Egemen	FEDERAL HIGHWAY ADMINISTRATION	Stochastic Network-level LCA for Flexible Pavement Preservation and Maintenance Schedules	\$560,000
12/19/2023	Crivelli, Katherine M	MA DEPARTMENT OF PUBLIC HEALTH	Comprehensive Rape Crisis Services	\$34,296
	Zamani, Hamed	OFFICE OF NAVAL RESEARCH	Towards Proactive Conversational Information Retrieval Systems	\$110,049
12/20/2023	Melnik, Mark A	NORTHERN MIDDLESEX COUNSEL OF GOVERNMENT	NMCOG Housing FY24-25	\$89,950
	Roy, Alison H	MA DIVISION OF FISHERIES AND WILDLIFE	Identifying environmental drivers and projected impacts of climate change on Massachusetts freshwater mussels for successful conservation and protection of water quality	\$45,000
	Wang, Chen	DEFENSE ADV RESEARCH PROJECTS AGENCY	Autonomous Quantum Error Correction with Multi-mode Bosonic Qubits	\$311,640
12/21/2023	Boyle-Clapp, Diana	MASSACHUSETTS CULTURAL COUNCIL	FY2024 Massachusetts Cultural Council Cultural Investment Portfolio Program FY24-CI-CIP-55931	\$12,200
	Gross, Megan C	NIH-NATIONAL INSTITUTES OF HEALTH	Dual-Language Communication and Social-Cognitive Skills in Bilingual Children with ASD	\$151,715

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2023 - Quarter Q4

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
12/21/2023	Melnik, Mark A	MA DEPT. OF HOUSING & COMMUNITY DEVELOP	EOHLC Affordable Housing FY24	\$12,300
	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$8,520
	Sakamoto, Michael A	MASSACHUSETTS CULTURAL COUNCIL	CIP Portfolio Grant for UMass Amherst Asian Arts & Culture Program	\$6,000
12/22/2023	Jacobson, Jennifer	MASSACHUSETTS CULTURAL COUNCIL	Cultural Investment Portfolio: Juniper Initiative for Literary Arts and Action FY'24	\$11,800
Grand Total				\$20,098,910

Data as of: 1/2/2024 7:39:33 AM