

Awards from Federal, Massachusetts, or Municipal Entities for Calendar Year 2022 - Quarter Q3

Awarded Date	PI	Sponsor Name	Title	Obligated Total \$
7/1/2022	Dominguez, Rosario	U.S. DEPT OF HEALTH AND HUMAN SERVICES	OHS Regional TTA - REGION 1	\$3,496,632
7/5/2022	Bradley, Bethany A	U.S. FOREST SERVICE	Biodiversity implications of climate adaptation strategies	\$178,823
	Doherty, Jeffery J	MA DEPT OF AGRICULTURAL RESOURCES	Testing of chemical compounds that is a requirement for hemp regulation in the Commonwealth	\$320,529
7/6/2022	Andreadis, Konstantinos	U.S. GEOLOGICAL SURVEY	Designing Wabanaki Adaptive Capacity for Climate Change	\$114,089
	Avery, Mary W	WATERTOWN PUBLIC SCHOOLS	Watertown Public Schools FY22-FY23	\$4,776
	Crivelli, Katherine M	MA OFFICE FOR VICTIM ASSISTANCE	Massachusetts Office of Victim Assistance Rape Crisis Program	\$164,324
	Hatte, Marie-Francoise I	UPPER BLACKSTONE CLEAN WATER	Blackstone River Water Quality Monitoring Project FY23	\$101,931
	Melnik, Mark A	PIONEER VALLEY PLANNING COMMISSION	PVPC EI FY23	\$70,000
	Ping, Jinglei	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Thin-Film Processing System for Controllable Atomic-Scale Functionalization of Two-Dimensional Materials	\$144,995
	Shenoy, Prashant	NATIONAL SCIENCE FOUNDATION	Collaborative Research: NGSDI: CarbonFirst: A Sustainable and Reliable Carbon-Centric Cloud-Edge Software Infrastructure	\$326,054
	Zilberstein, Shlomo	NATIONAL SCIENCE FOUNDATION	Collaborative Research: RI: Medium: Introspective Perception and Planning for Long-Term Autonomy	\$13,269
7/8/2022	Du, Xian	NATIONAL SCIENCE FOUNDATION	GOALI: Hierarchical Multimode Multiscale In-Line Metrology for Roll-to-Roll Flexible Electronics Print Process Monitoring and Control	\$52,449

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7/8/2022	Pishro-Nik, Hossein	NATIONAL SCIENCE FOUNDATION	CPS: Medium: A Unified Framework for IoT Privacy	\$8,000
7/11/2022	Xiong, Jie	NIH-NATIONAL INSTITUTES OF HEALTH	SHC: INT: Collaborative Research:Wearable Acoustic Sensing-Based mHealth System for Monitoring Social Dysfunction in Schizophrenia	\$275,411
7/12/2022	Avery, Mary W	MA DEPARTMENT OF EARLY EDUCATION & CARE	EEC StrongStart Central Region FY23	\$747,026
	Bradley, Bethany A	U.S. GEOLOGICAL SURVEY	Identifying vulnerable ecosystems and supporting climate-smart strategies to address invasive species under climate change	\$166,237
7/13/2022	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.	\$88,487
	Grabell, Adam	NIH-NATIONAL INSTITUTES OF HEALTH	Using Wearable Devices and Machine Learning to Forecast Preschool Tantrums and Identify Clinically Significant Variants.	\$194,029
	Tibbett, Emily J	NATIONAL SCIENCE FOUNDATION	OPP-PRF: Assessing the relationship between fire, temperature, and precipitation in the Arctic during the Pleistocene	\$285,631
	Woodruff, Jonathan D	U.S. GEOLOGICAL SURVEY	Dynamic Adaptation for Wetland Restoration and Coastal Communities on Lake Ontario	\$125,239
7/14/2022	Bissias, George	FEDERAL BUREAU OF INVESTIGATION	Research and Development for Thwarting Crimes Against Children	\$810,000
	Goff, Sarah L	NIH-NATIONAL INSTITUTES OF HEALTH	The Effects of Accountable Care Organizations on Disparities in Childhood Asthma Care and Outcomes	\$57,723
	Henry, Dana	OFFICE OF THE INSPECTOR GENERAL	INFP OIG Online Training	\$50,400
	Mamo, Sara K	NIH-NATIONAL INSTITUTES OF HEALTH	Speech understanding ability and communication intervention for persons with age-related hearing loss and mild cognitive impairment or dementia	\$138,596

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7/14/2022	Marcotte, Amanda M	COLORADO DEPT. OF EDUCATION	Comprehensive Review and Evaluation of K-3 Reading Assessments for the Colorado Department of Education	\$52,369
	Roy, Alison H	MA DIVISION OF FISHERIES AND WILDLIFE	SUPPORT FOR THE MASSACHUSETTS COOPERATIVE FISH & WILDLIFE RESEARCH UNIT	\$181,000
7/15/2022	Lackner, Matthew A	NATIONAL SCIENCE FOUNDATION	GCR: The Transition to a Sustainable Energy Future	\$2,871
	Stephens, Andrew D	NIH-NATIONAL INSTITUTES OF HEALTH	Analyzing the role of chromatin compactin in nuclear mechanics, structure, and function	\$246,893
7/18/2022	Sheldon, Daniel R	NATIONAL SCIENCE FOUNDATION	Collaborative Research: BirdFlow: Learning Bird Population Flows from Citizen Science Data	\$827,019
7/19/2022	Ho, Carlton L	FEDERAL RAILROAD ADMINISTRATION	Machine Learning-based Analysis of the Need for Railway Track Maintenance	\$166,131
	Hyers, Robert W	NATIONAL AERO AND SPACE ADMINISTRATION	Single Source, Fluid dynamics and Solidification on ISS-EML	\$75,000
	Kulkarni, Ashish	NIH-NATIONAL INSTITUTES OF HEALTH	Polymeric Nanomaterials for Probing and Modulating Innate Immune Responses	\$398,750
7/20/2022	De Bruyn Kops, Stephen M	OFFICE OF NAVAL RESEARCH	Stratified Turbulence at High Dynamic Range	\$75,000
7/22/2022	Adrion, William R	NATIONAL SCIENCE FOUNDATION	CSforAll Springfield RPP: Impacts and impediments in the district-wide diffusion of equity-centered computer science	\$1,197,134
	Larsen, Isaac	U.S. DEPARTMENT OF ENERGY	Abiotic and biotic controls on chemical weathering rates and solute generation	\$146,352
	Russell, Thomas P	U.S. ARMY RESEARCH OFFICE	Adaptive Assemblies of Soft Matter at Interfaces	\$48,939

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7/22/2022	Zenisky, April L	MA DEPT OF ELEMENTARY & SECONDARY ED	Standardized Assessment 2023-2026	\$1,099,336
7/25/2022	Boyer, Katherine A	NIH-NATIONAL INSTITUTES OF HEALTH	Muscle Fatigue, Gait Alterations and Increased Energy Cost of Walking in Aging	\$453,116
	Kent, Jane A	NIH-NATIONAL INSTITUTES OF HEALTH	Muscle Fatigue and its Impact on Mobility Function in Aging	\$518,727
	Melnik, Mark A	CANNABIS CONTROL COMMISSION	DI Study Follow-Up	\$10,724
		CITY OF CAMBRIDGE	CPS Projections FY23	\$38,700
	MA SECRETARY OF STATE	SOC Pop Estimates FY23	\$312,500	
Sievert, Lynnette L	NATIONAL SCIENCE FOUNDATION	Brown Adipose Tissue in Relation to Biometrically Measured and Subjectively Reported Hot Flashes	\$45,909	
7/26/2022	Hertel, Scott A	U.S. DEPARTMENT OF ENERGY	Optimization And Calibration Of A 4He-Based Detector For Low-Mass Dark Matter	\$157,000
	Sandler, Hilary A	AGRICULTURAL RESEARCH SERVICE	USDA-ARS-RSA-FY23	\$7,700
	Wang, Chen	U.S. DEPARTMENT OF ENERGY	Enhancing performance of bosonic qubits in circuit QED with reservoir engineering	\$159,864
	Yao, Jun	NIH-NATIONAL INSTITUTES OF HEALTH	Bioinspired mechanogating biosensors for real-time biodetection	\$18,037
7/27/2022	Elkinton, Joseph S	ANIMAL AND PLANT HEALTH INSPECTION SERV	COOPERATIVE AGREEMENT WORK PLAN: Japanese Knotweed	\$49,178

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7/27/2022	Kwon, Do-Hoon	U.S. ARMY RESEARCH OFFICE	Single and dual polarized metasurface cloaks for microwave invisibility	\$55,703
	McKeag, Lisa A	U.S. DEPARTMENT OF AGRICULTURE	Outreach, Education and Technical Assistance for Farm Service Agency Programs, Functions and Activities - University of Massachusetts (UMass) Extension	\$41,606
	Timme-Laragy, Alicia	NIH-NATIONAL INSTITUTES OF HEALTH	Developmental toxicants and congenital pancreas malformations	\$230,340
7/28/2022	Geissler, Kimberley L	NIH-NATIONAL INSTITUTES OF HEALTH	The Role of Insurance Networks and Organizational Factors in Guideline-Concordant Care for Serious Mental Illness	\$239,250
7/29/2022	Hannahan, Michael T	U.S. DEPARTMENT OF STATE	Pak Students 2018 SUSI	\$22,472
8/1/2022	Elkinton, Joseph S	U.S. FOREST SERVICE	Measuring effects of predation on eastern and western populations of hemlock woolly adelgid	\$40,000
	Grason, Gregory M	NATIONAL SCIENCE FOUNDATION	Principles of Geometrically-Frustrated Assembly	\$147,812
	Komoroske, Lisa	NATIONAL SCIENCE FOUNDATION	Collaborative research: Mating systems as mechanisms for resilience of species with temperature-dependent sex determination under environmental change	\$81,394
8/2/2022	Chien, Peter	NIH-NATIONAL INSTITUTES OF HEALTH	Regulated Proteolysis in Bacteria Development and Stress Response	\$37,977
	Dillon, Brian W	NATIONAL SCIENCE FOUNDATION	Processing garden paths across dialects: A study of African American English	\$15,767
	Schloerb, F P	NATIONAL SCIENCE FOUNDATION	US Community Access to the Large Millimeter Telescope	\$1,518,681
	Vardatira, Sharon M	MA DEPARTMENT OF PUBLIC HEALTH	MA DPH Healthy Relationships FY20-FY22	\$80,000

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8/3/2022	Castaneda, Isla S	NATIONAL SCIENCE FOUNDATION	P2C2: Temperature and Hydroclimate Variability in Mid-Latitude arid Central Asia During the Past 13,600 years: a Multi-Proxy Investigation of Issyk-Kul (Kyrgyzstan)	\$322,038
	Chen, Yu	NATIONAL SCIENCE FOUNDATION	Pulse Oximetry Measurement Errors Correlated with Patient Skin Pigmentation: Optical Mechanisms and Effect Multipliers	\$200,000
	Kahl, Katherine J	MA EXEC OFFICE OF ENERGY & ENVIRON AFF	North Shore Blue Economy Phase II	\$200,000
	Svistunov, Boris V	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Worm Algorithm and Diagrammatic Monte Carlo for Strongly Correlated Condensed Matter Systems	\$140,000
8/4/2022	Gleason, Colin J	NATIONAL AERO AND SPACE ADMINISTRATION	Characterizing Future Changes in Glacier Melt, Snow melt, and Regional Runoff to Inform Adaptation Decisions in High Mountain Dependent Economies.	\$200,000
	Irwin, David E	NATIONAL SCIENCE FOUNDATION	CCRI: New: A Community Testbed for Designing Carbon-Efficient Cloud Applications	\$1,458,189
	Kittilstved, Kevin R	NATIONAL SCIENCE FOUNDATION	Step-wise assembly of nanocrystal synthons for precision doping	\$73,325
	Ping, Jinglei	NIH-NATIONAL INSTITUTES OF HEALTH	Highly Integrated Nucleic-Acid Analysis Using Graphene Bioelectronics	\$20,862
	Strieter, Eric	NIH-NATIONAL INSTITUTES OF HEALTH	DEFINING THE FUNCTION OF PROTEASOMAL DEUBIQUITINASES	\$361,423
8/5/2022	Doherty, Jeffery J	MA DEPT OF AGRICULTURAL RESOURCES	FY23 ISA Massachusetts Pesticide Analytical Laboratory (MPAL) Services (STATE)	\$162,000
	Hebert, Daniel N	NIH-NATIONAL INSTITUTES OF HEALTH	Cellular protein maturation and degradation	\$339,392
	Henry, Dana	MA DEPARTMENT OF MENTAL HEALTH	DMH Reflective Supervision FY22	\$12,300

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8/5/2022	Levine, Brian N	NATIONAL SCIENCE FOUNDATION	Renewal of the Scholarship for Service Program at the University of Massachusetts Amherst	\$616,541
	McKeag, Lisa A	MA DEPT OF AGRICULTURAL RESOURCES	Support of the Food & Drug Administration FDA; Food Safety Modernization Act FSMA; Produce Safety Rule PSR; and state program requirements	\$65,107
8/8/2022	Brun, Yuriy	NATIONAL SCIENCE FOUNDATION	SHF: Small: Toward Fully Automated Formal Software Verification	\$599,852
	Cornelison, Robert C	NIH-NATIONAL INSTITUTES OF HEALTH	Designing cancer-inspired scaffolds for neural repair	\$19,047
	Hajiesmaili, Mohammadhassan	NATIONAL SCIENCE FOUNDATION	CAREER: A Robust and Data-driven Design for Carbon-intelligent Distributed systems	\$99,986
	Serafini, Marco	NATIONAL SCIENCE FOUNDATION	CNS Core: Small: Transparently Scaling Graph Neural Network Training to Large-Scale Models and Graphs	\$532,241
	Vasseur, Romain	U.S. DEPARTMENT OF ENERGY	Quantum criticality and topology in non-equilibrium systems	\$158,730
	Westling, Theodore g	NATIONAL SCIENCE FOUNDATION	Advances in Causal Inference With Continuous Exposures	\$59,255
	Zamani, Hamed	OFFICE OF NAVAL RESEARCH	Towards Proactive Conversational Information Retrieval Systems	\$130,000
8/10/2022	Ganesan, Deepak K	NIH-NATIONAL INSTITUTES OF HEALTH	Massachusetts AI and Technology Center for Connected Care in Aging and Alzheimer's Disease	\$3,966,336
	Huber, Meghan E	NIH-NATIONAL INSTITUTES OF HEALTH	Portable, robotic footwear for real-time control of foot-ground stiffness	\$226,574
	Lu, Jiakai	NATL INSTITUTE OF FOOD AND AGRICULTURE	Investigating Eco-Friendly Biocidal Drift Reduction Adjuvant By A Multi-Disciplinary Engineering Approach	\$628,910

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8/10/2022	Sun, Yubing	NIH-NATIONAL INSTITUTES OF HEALTH	Patterning human forebrain organoids by engineering controlled biochemical microenvironment	\$185,922
8/11/2022	Fitzsimmons, Jill A	NATL INSTITUTE OF FOOD AND AGRICULTURE	Engaging Qualified-Exempt SMPs to Comply with FSMA Preventive Controls for Human Food	\$400,000
	Lacreuse, Agnes C	NIH-NATIONAL INSTITUTES OF HEALTH	Experimental sleep fragmentation and cognition in aged marmosets	\$199,375
	Oblomkov, Alexei A	NATIONAL SCIENCE FOUNDATION	Knot Homology and Moduli of Sheaves	\$66,582
8/12/2022	Iyyer, Mohit N	NATIONAL SCIENCE FOUNDATION	CAREER: Building Creative Writing Assistants for Machine-in-the-Loop Storytelling	\$94,475
	Jentoft, Friederike C	U.S. DEPARTMENT OF ENERGY	Acid Catalysis Design Guided by Spectroscopic Analysis of Reaction Networks	\$212,500
	Kosanovic, Dragoljub B	U.S. DEPARTMENT OF ENERGY	UMass Industrial Assessment Center Program	\$195,000
	SMILEY, KRISTINA O	NIH-NATIONAL INSTITUTES OF HEALTH	Hormonal regulation of sensory processing during parental care	\$126,085
8/15/2022	Castaneda, Isla S	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Quantitative reconstructions of last millennium hydroclimate and temperature from the tropical high Andes	\$56,988
	Kevrekidis, Panayotis	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Collapse, Rogue Waves and their Applications: From Theory to Computation and Beyond	\$219,298
	Pocar, Andrea P	NATIONAL SCIENCE FOUNDATION	nEXO: a Search for Neutrino-less Double Beta Decay with a Tonne-Scale Enriched Xenon Time Projection Chamber	\$250,000
	Roberts, Shannon C	NATIONAL SCIENCE FOUNDATION	REU Site: RIDE - Research for Inclusivity and Driving Equity	\$400,489

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8/15/2022	Zink, Michael	NATIONAL SCIENCE FOUNDATION	CC* Integration-Large: An 'On-the-fly' Deeply Programmable End-to-End Network-centric Platform for Edge-to-Core Workflows	\$49,595
8/16/2022	Atukorale, Prabhani U	NIH-NATL CANCER INSTITUTE	Tumor-directed immunostimulatory nanoparticles for novel 'prime-pull' cancer vaccination	\$194,308
	Muthukumar, Murugappan	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Macromolecular Modeling of Biomimetic Assembly	\$199,998
8/17/2022	Galano, Maria M	CENTERS FOR DISEASE CONTROL & PREVENTION	Trauma Socialization as a Cross-Cutting Risk Factor for Violence Perpetration and Victimization	\$124,667
	Jentoft, Friederike C	NATIONAL SCIENCE FOUNDATION	NSF-BSF: Mechanism-Guided Design of Deoxydehydration Catalysts	\$362,687
	Musco, Cameron N	NATIONAL SCIENCE FOUNDATION	CAREER: Fast Linear Algebra: Algorithms and Fundamental Limits	\$121,714
	Park, Joonkoo	NATIONAL SCIENCE FOUNDATION	Generative Number Concepts in Children	\$509,597
	Vierling, Elizabeth	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Defining functions of an essential, conserved protein that uniquely links the mitochondrial matrix with the cytoplasm	\$765,591
	Zamani, Hamed	NATIONAL SCIENCE FOUNDATION	CAREER: Enriching Conversational Information Retrieval via Mixed-Initiative Interactions	\$465,382
8/18/2022	Katz, Neal S	NATIONAL SCIENCE FOUNDATION	Collaborative Research: Galactic Winds and the Multiphase Structure of the Circum-Galactic Medium	\$161,052
	Noh, Yeon S	NIH-NATIONAL INSTITUTES OF HEALTH	In-home wearable system to detect early-stage decompensation in heart failure patients	\$479,359
	Wu, Nianqiang	NIH-NATIONAL INSTITUTES OF HEALTH	Analytical Validation of Portable Devices for Detection of Traumatic Brain Injury Biomarkers	\$652,479

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8/19/2022	Mabee, Stephen B	MA DEPT OF CONSERVATION AND RECREATION	Western Massachusetts Ground Water Level Measurements for the USGS/MA Cooperative Program FY23	\$1,734
	Spool, Jeremy A	NIH-NATIONAL INSTITUTES OF HEALTH	A novel role for higher order auditory circuits: social group dynamics and descending pathways to the Social Behavior Network	\$115,234
8/22/2022	Arcaro, Kathleen F	NIH-NATIONAL INSTITUTES OF HEALTH	Fruit and vegetable intervention in lactating women to reduce breast cancer risk: effects on breast cell DNA methylation, breast inflammation, and weight	\$909,347
	Domke, Justin C	NATIONAL SCIENCE FOUNDATION	CAREER: Automatic Variational Inference	\$104,102
	Houmansadr, Amir	DEFENSE ADV RESEARCH PROJECTS AGENCY	Towards Theoretical Foundations for Information Controls	\$250,000
	Lackner, Matthew A	NATIONAL SCIENCE FOUNDATION	Enhancing Resiliency and Increasing Equity in the Transition to a Sustainable Energy Future	\$305,075
	Perry-Jenkins, Maureen A	NIH-NATIONAL INSTITUTES OF HEALTH	Understanding Stress and Racial/Ethnic Health Disparities in Multiethnoracial Families	\$49,052
8/23/2022	Gwilliam, Owen G	NATIONAL SCIENCE FOUNDATION	CAREER: Factorization algebras in quantum field theory	\$107,530
	Keiser, Ashley D	NATIONAL SCIENCE FOUNDATION	Collaborative Research: BoCP-Design: US-China: Functional divergence between the sexes: ecological consequences of climate-induced sex ratio shifts	\$57,147
8/24/2022	Evans, Elizabeth A	FRANKLIN COUNTY SHERIFF'S OFFICE	HEALing Franklin County (Helping to End Addiction Long-term)	\$104,972
	Henry, Dana	MA DEPARTMENT OF PUBLIC HEALTH	DPH Media Communications FY22	\$12,150
	Siegelmann, Hava T	NATIONAL SCIENCE FOUNDATION	EAGER: Neural Networks that Temporally Change (NNTC)	\$249,884

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8/24/2022	Smith Doerr, Laurel	NATIONAL SCIENCE FOUNDATION	Collaboration and Equity: The Resources, Relationships, and Recognition (R3) Model for Advancing Women and Underrepresented Faculty in Science and Engineering	\$609,008
8/25/2022	Crivelli, Katherine M	MA DEPARTMENT OF PUBLIC HEALTH	Comprehensive Rape Crisis Services	\$123,258
8/26/2022	Bradley, Raymond S	NATIONAL SCIENCE FOUNDATION	Climate and Cryosphere International Project Office of the World Climate Research Program	\$490,113
	Reich, Nicholas G	NIH-NATIONAL INSTITUTES OF HEALTH	Methods for real-time forecasting and inference during infectious disease outbreaks	\$432,474
	Wilson, Grant W	NATIONAL SCIENCE FOUNDATION	Unveiling the Obscured Formation of Stars and Galaxies: Large-Scale Legacy Surveys with a New Three Color High Resolution Imaging Polarimeter on a 50-m Telescope:	\$440,493
8/30/2022	Crosby, Alfred J	NATIONAL SCIENCE FOUNDATION	EAGER: Collaborative Research: Programmed stimuli-responsive mesoscale polymers inspired by worm blobs as emergent super-materials	\$149,754
	Mager, Jesse	NIH-NATIONAL INSTITUTES OF HEALTH	Streamline assessment of early lethal phenotypes in the mouse	\$624,188
8/31/2022	O'Connor, Brendan	NATIONAL SCIENCE FOUNDATION	CAREER: Social Population Measurement from Text	\$81,596
	Reid, Allecia E	NIH-NATIONAL INSTITUTES OF HEALTH	Promoting Maintenance of Behavior Change Following Brief Alcohol Intervention	\$173,223
	Shenoy, Prashant	NATIONAL SCIENCE FOUNDATION	CNS Core: Medium: Model-driven Resource Management for Avoiding Performance Pitfalls in Edge Computing	\$581,353
	Zink, Michael	NATIONAL SCIENCE FOUNDATION	CNS Core: Medium: Collaborative Research: Scalable Dissemination and Navigation of Video 360 Content for Personalized Viewing	\$139,635
9/1/2022	Haas, Peter J	NATIONAL SCIENCE FOUNDATION	III: Small: Scalable In-Database Prescriptive Analytics for Dynamic Environments	\$599,995

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9/1/2022	Kearney, Cathal	NIH-NATIONAL INSTITUTES OF HEALTH	It Will All Get Better with Time: Circadian Rhythms in Tissue Engineering	\$380,549
	Morales Borrero, Alejandro H	NATIONAL SCIENCE FOUNDATION	Geometry and Asymptotics of Schubert Polynomials, Graph Colorings, and Flows on Graphs	\$205,601
	Woerman, Amanda L	NIH-NATIONAL INSTITUTES OF HEALTH	Effect of agent and host factors on alpha-synuclein strain pathogenesis	\$115,014
	Yellen, Brian C	U.S. GEOLOGICAL SURVEY	Effects of urban coastal armoring on salt marsh sediment supplies and resilience to climate change	\$262,424
9/2/2022	Bradley, Raymond S	NATIONAL SCIENCE FOUNDATION	NSFGEO:NERC: Collaborative Research: Environmental change and impacts on prehistoric human colonization of Peary Land, northernmost Greenland	\$203,439
	Chen, Wen	NATIONAL AERO AND SPACE ADMINISTRATION	Measurements of Viscosity and Surface Tension of High-Entropy Alloys for Advanced Manufacturing	\$24,000
	Crivelli, Katherine M	MA DEPARTMENT OF PUBLIC HEALTH	Comprehensive Rape Crisis Services	\$622,728
	Iyyer, Mohit N	NATIONAL SCIENCE FOUNDATION	RI: Medium: Tree-Structured Self-Supervised Modeling for Natural Language	\$383,849
	Kent, Jane A	NIH-NATIONAL INSTITUTES OF HEALTH	Muscle Fatigue and its Impact on Mobility Function in Aging	\$39,500
	Reich, Nicholas G	CENTERS FOR DISEASE CONTROL & PREVENTION	Support Translational and Operational Science and Technology Advances to Improve CDC's use of Forecasting, Modeling, and Analytical Approaches to Inform Public Health..	\$434,586
	Shenoy, Prashant	NATIONAL SCIENCE FOUNDATION	Collaborative Research: CNS Core: Medium: IoCT: System Mechanisms for Enabling an Internet of Collaborative Things	\$398,719
	St Laurent, Christine W	NIH-NATIONAL INSTITUTES OF HEALTH	Interaction of physical activity and sleep in early childhood and their influence on cognition and the hippocampus	\$2,500

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9/6/2022	DeAngelis, Kristen M	U.S. DEPARTMENT OF ENERGY	How Microbes and Minerals Make Necromass that Persists	\$753,019
	DiRenzo, Graziella	U.S. GEOLOGICAL SURVEY	Improving management and surveillance decisions related to white nose syndrome by accounting for imperfect detection and misclassification error	\$102,030
	Maroudas, Dimitrios	U.S. DEPARTMENT OF ENERGY	Plasma Surface Interactions: Predicting the Performance and Impact of Dynamic PFC Surfaces	\$200,000
	You, Mingxu	NIH-NATIONAL INSTITUTES OF HEALTH	Defining Mechanical Landscapes at Cell-Cell Junctions	\$387,170
9/7/2022	Albertson, Craig	NATIONAL SCIENCE FOUNDATION	Evolution and genetic basis of locomotor activity patterns among Lake Malawi cichlids: Exploring a novel mechanism of habitat partitioning	\$315,169
	Arcaro, Kathleen F	NIH-NATIONAL INSTITUTES OF HEALTH	Fruit and vegetable intervention in lactating women to reduce breast cancer risk: effects on breast cell DNA methylation, breast inflammation, and weight	\$160,361
	Chasan-Taber, Lisa	NIH-NATIONAL INSTITUTES OF HEALTH	Cardiovascular Disease Risk Factors in At-Risk Hispanic Women following Pregnancy Complications	\$436,843
	Gordon, Jennifer R	CITY OF NEWTON	Newton Economic Mobility	\$25,000
	Henry, Dana	MA DEPARTMENT OF MENTAL HEALTH	DMH CBHKC FY23	\$104,200
		MA DEPT OF ENVIRONMENTAL PROTECTION	DEP Contract Management FY23	\$64,900
	Irwin, David E	NATIONAL SCIENCE FOUNDATION	CNS Core: Small: Managing Electrical and Thermal Energy in Sustainable Computing Systems	\$325,965
Thompson, Lynmarie	NIH-NATIONAL INSTITUTES OF HEALTH	Assembly and Function of Bacterial Chemotaxis Receptor Signaling Complexes	\$80,289	

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9/7/2022	Towsley, Donald F	NATIONAL SCIENCE FOUNDATION	Collaborative Research: CNS Core: Medium: Design and Analysis of Quantum Networks for Entanglement Distribution	\$155,201
	Tremblay, Kimberly D	NIH-NATIONAL INSTITUTES OF HEALTH	Resolving heterogeneity in liver development	\$350,856
	Vachet, Richard W	NIH-NATIONAL INSTITUTES OF HEALTH	Protein Amyloid Formation and Inhibition Studied by Mass Spectrometry	\$398,750
	Volberg, Rachel A	MASSACHUSETTS GAMING COMMISSION	SEIGMA - Social and Economic Impacts of Gambling in Massachusetts	\$1,014,999
9/8/2022	Muriel, Ana	NATIONAL SCIENCE FOUNDATION	MCA: Price and Lead Time Quotation for Made-to-Order Products and Services with Contingent Demand and Demand Learning	\$500,000
	Siqueira, Paul R	NATIONAL AERO AND SPACE ADMINISTRATION	SNOWWI: Snow Water-equivalent Wide Swath Interferometer and Scatterometer	\$449,185
	Tobiason, John E	MA DEPT OF ENVIRONMENTAL PROTECTION	CWT Grant ISA FY23-24 Private School Lead Testing	\$400,000
9/9/2022	Christofa, Eleni	MA DEPARTMENT OF TRANSPORTATION	Effectiveness of Two-stage Turn Queue Boxes in Massachusetts: A Comparison with Bike Boxes	\$149,778
	Iyyer, Mohit N	NATIONAL SCIENCE FOUNDATION	Collaborative Research: STEM Learning Embedded in a Machine-in-the-Loop Collaborative Story Writing Game	\$621,352
	Lorenzo Veiga, Beatriz	NATIONAL SCIENCE FOUNDATION	NSF-AoF: CNS Core: Small: CRUISE: A Cross-system Architecture Design for Autonomous Wireless Networks based on Lifelong Machine Learning	\$279,999
	Wolf, Beverly P	NATIONAL SCIENCE FOUNDATION	Conference: Accelerating the Future of AI and Data-driven Education	\$99,990
9/12/2022	Brigham-Grette, Julie	NATIONAL SCIENCE FOUNDATION	Collaborative Research: NNA Research: Meq unguvatkarput (water is our livelihood) - building community resilience for the future	\$1,125,042

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9/12/2022	Cook, Timothy L	U.S. GEOLOGICAL SURVEY	Linking unvegetated to vegetated marsh ratio (UVVR) to causes of marsh change	\$60,000
	DiRenzo, Graziella	U.S. GEOLOGICAL SURVEY	Strategic confiscation and placement of illegally collected turtles for maximizing conservation outcomes	\$77,277
	Hatte, Marie-Francoise I	U.S. GEOLOGICAL SURVEY	Water Resources Research Center Massachusetts FY21 Annual Application	\$133,770
	Jordaan, Peter A	U.S. GEOLOGICAL SURVEY	Increasing Tribal climate adaptive capacity for coastal resources in the Northeast	\$93,284
	Murray, John G	MA DEPT OF TRANSITIONAL ASSISTANCE	FY 23 INFP CIES	\$1,858
	Roy, Alison H	U.S. GEOLOGICAL SURVEY	Rethinking lake management for invasive plants under future climate: Sensitivity of lake ecosystems to winter water level drawdowns	\$123,436
	Russell, Thomas P	AIR FORCE OFFICE OF SCIENTIFIC RESEARCH	Structural and Architectural Control of Order in Block Copolymers	\$250,000
	Shenoy, Prashant	NATIONAL SCIENCE FOUNDATION	Collaborative Research: NGSDI: CarbonFirst: A Sustainable and Reliable Carbon-Centric Cloud-Edge Software Infrastructure	\$112,399
9/13/2022	Elkinton, Joseph S	U.S. FOREST SERVICE	Monitoring winter moth populations with e-DNA to detect incipient outbreaks	\$28,061
	Jentoft, Friederike C	U.S. DEPARTMENT OF ENERGY	Acid Catalysis Design Guided by Spectroscopic Analysis of Reaction Networks	\$100,000
	Ramasubramaniam, Ashwin	NATIONAL SCIENCE FOUNDATION	Collaborative Research: NSF-BSF: On-Chip High-Resolution Mid-Infrared Spectroscopy with a Single Tunable van der Waals Heterostructure Photodetector	\$192,164
	Schweik, Charles M	NATIONAL SCIENCE FOUNDATION	GCR: Collaborative Research: Jumpstarting Successful OSS Projects With Evidence Based Rules and Structures	\$794,944

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9/14/2022	Roy, Alison H	MA DIVISION OF FISHERIES AND WILDLIFE	SUPPORT FOR THE MASSACHUSETTS COOPERATIVE FISH & WILDLIFE RESEARCH UNIT	\$2,000
9/15/2022	Crivelli, Katherine M	MA OFFICE FOR VICTIM ASSISTANCE	Massachusetts Office of Victim Assistance Rape Crisis Program	\$26,774
	Knodler Jr, Michael A	MA DEPARTMENT OF TRANSPORTATION	The UMTC MassDOT Proposal	\$12,033,256
9/16/2022	Sireci, Stephen G	INSTITUTE OF EDUCATION SCIENCES	Adult Skills Assessment Program: Actionable Assessments for Adult Learners	\$756,714
9/19/2022	Deconto, Robert M	NATIONAL SCIENCE FOUNDATION	Collaborative Research: GreenDrill: The response of the northern Greenland Ice Sheet to Arctic Warmth - Direct constrains from sub-ice bedrock	\$151,786
	Ricciardi, Emiliano	NATIONAL ENDOWMENT FOR THE HUMANITIES	Software Enhancements for the Digital Edition of the Settings of Torquato Tasso's poetry, ca. 1570-1640	\$185,244
9/20/2022	Beltramo, Peter J	NATIONAL SCIENCE FOUNDATION	CAREER: Understanding the interplay between lipid composition and biomolecule transport in biological membranes	\$126,323
	Elkinton, Joseph S	U.S. FOREST SERVICE	Monitoring hybridization of a classical biological control agent and a native congener in the Hemlock Woolly Adelgid system	\$40,000
			Winter Moth Biological Control in Coastal Maine and New Hampshire	\$57,000
	Henry, Dana	MA DEPT OF DEVELOPMENTAL SERVICES	DDS Program Support FY23	\$270,760
	Serio, Tricia R	NIH-NATIONAL INSTITUTES OF HEALTH	Cellular Mechanisms and Consequences of Protein Misfolding and Resolution	\$360,074
9/21/2022	Butler, Caitlyn	BOSTON WATER AND SEWER COMMISSION	Proposal for monitoring of phosphorous removal at Harambee Park	\$199,734

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9/21/2022	Catanzaro, Paul F	U.S. FOREST SERVICE	USDA Family Forest Research Center Joint Venture Agreement #6	\$571,500
	King, David	NATURAL RESOURCES CONSERV SERVICES	Creating Functional Pollinator Habitat on Log Landings	\$80,539
	Zink, Michael	NATIONAL SCIENCE FOUNDATION	CCRI: Grand: Collaborative Research: Open CloudLab	\$269,491
9/22/2022	Andrianopoulos, Mary V	U.S. DEPARTMENT OF EDUCATION	Interdisciplinary Preparation of Related-Service Professionals in Evidence-Based Practices: High-Risk Students/Families and Remote Technologies (iPREP-RT)	\$249,343
	Auerbach, Scott M	U.S. DEPARTMENT OF ENERGY	Integrated Synthesis and Modeling Study on the Roles of Heteroatoms and Structure-Directing Agents in Zeolite Formation	\$203,395
	Boscardin, Mary L	U.S. DEPARTMENT OF EDUCATION	Preparing The Next Generation of Culturally Responsive Leaders for the Administration of Special Education (NextGen)	\$249,999
	Gleason, Colin J	NATIONAL AERO AND SPACE ADMINISTRATION	A first global analysis of daily riverine gas exchange using the SWOT satellite Bayesian remote sensing, and carbon transport modeling	\$22,500
	Palmer, Richard N	U.S. GEOLOGICAL SURVEY	Future of Aquatic Flows	\$119,998
9/23/2022	Catanzaro, Paul F	U.S. FOREST SERVICE	Challenge Cost-share Agreement between the USDA Forest Service, Northern Research Station and the University of Massachusetts Amherst NWOS Puerto Rico	\$220,000
	Griffin, Curtice R	U.S. FOREST SERVICE	Linking Management to Biodiversity - New Joint Venture Agreement 20-JV-11242308-051	\$137,244
	Hammond, Shane P	MA DEPARTMENT OF HIGHER EDUCATION	DESE Scholarships - Transfer Academy/Mass Teach Program	\$4,635
9/26/2022	Mamo, Sara K	NIH-NATIONAL INSTITUTES OF HEALTH	Communication Challenges and Barriers to Hearing Care for Older Bilingual Latinx Adults	\$194,861

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9/27/2022	Elkinton, Joseph S	AGRICULTURAL RESEARCH SERVICE	Biocontrol of Gypsy Moth and Other Lepidopteran Pests of the Northeast Area through Development of Microbial Pathogen-Based Biological Control	\$99,604
	Harper, Richard W	NORTHERN RESEARCH STATION (USFS)	Monitoring Firewood Bank Implementation across the United States	\$62,500
9/28/2022	Martini, Douglas N	NIH-NATIONAL INSTITUTES OF HEALTH	Identifying potential cortical mechanisms responsible for gait impairment in older adult fallers	\$230,339
	Mattison, Lauren R	U.S. ENVIRONMENTAL PROTECTION AGENCY	Massachusetts Technical Assistance Partnership for Pollution Prevention in Food and Beverage Processing	\$56,838
9/29/2022	Bauner, Christoph	U.S. DEPARTMENT OF AGRICULTURE	The Impact of Warehouse Clubs on Local Grocery Retailers and Consumers	\$30,000
	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	\$237,486
	Xiao, Hang	NATL INSTITUTE OF FOOD AND AGRICULTURE	Health Risks of Foodborne Silicon Dioxide Nanoparticles	\$597,845
Grand Total				\$71,918,452

Data as of: 10/5/2022 9:22:04 AM