



Office of the Vice President for Research

List of Proposals Submitted

FY2019 3rd Quarter

January 1, 2019 – March 31, 2019

Volume 19.3

Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
College of Agriculture, Health and Natural Resources			50 Proposals	\$17,400,956
Agricultural and Resource Economics			4 Proposals	\$555,742
Andreyeva, Tatiana	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Improving Nutrition Standards in Early Childhood Education Settings	01/25/2019	50,000
Andreyeva, Tatiana	USDA/Food and Nutrition Service/University of Kentucky, Center for Poverty Research	Food Insecurity in Older Americans: Risk Factors and Health Impacts	01/23/2019	250,000
Bovay, John	USDA/National Institute of Food and Agriculture/Farm Fresh Rhode Island	Expanding and Improving Farmers Market Incentive Programs in New England	02/19/2019	194,642
Andreyeva, Tatiana	World Health Organization	Fiscal and Pricing Policies on Foods and Non-Alcoholic Beverages	02/22/2019	61,100
Allied Health Sciences			8 Proposals	\$6,747,744
McCaffery, Jeanne	DHHS/NIH/National Cancer Institute/Westat	Randomized Controlled Trials of Lifestyle Weight Loss Interventions for Genome-Wide Association Studies	02/22/2019	12,041
Leahey, Tricia	DHHS/NIH/National Institutes of Health	Using Behavioral Economic Strategies to Address Obesity in Economically Disadvantaged Adults	03/05/2019	4,045,880
McCaffery, Jeanne	DHHS/NIH/National Institutes of Health	Lifestyle intervention and biological aging: The Look AHEAD trial	02/05/2019	1,741,814
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Klein Buendel	Reaching Parents on HPV Vaccines for Adolescents via a Social Media Campaign	01/29/2019	631,158
Leahey, Tricia	DHHS/NIH/National Institutes of Health/Virginia Commonwealth University	Understand Key Predictors of Variability in Treatment Response among High-Risk Emerging Adults Enrolled in Behavioral Weight Loss	01/23/2019	183,767
Duffy, Valerie B	USDA/Food and Nutrition Service/CT Department of Social Services	School and Family-Based SNAP-Ed	03/12/2019	7,330
Silbart, Lawrence K	Torigen Pharmaceuticals	Characterization of Immune Activation Following Vaccination with Autologous Canine Cancer Cavvines	01/22/2019	36,449
Pagoto, Sherry	DHHS/NIH/National Cancer Institute/Rutgers University	Facebook Intervention for Young Onset Melanoma Patients and Families	03/26/2019	89,305
Animal Science			1 Proposals	\$1,970,715
Tang, Young	DHHS/NIH/National Institutes of Health	JAK/STAT Regulated Sertoli Cell Homeostasis and Male Fertility	02/05/2019	1,970,715
Extension			7 Proposals	\$297,157
Dickson, David	Long Island Community Foundation	Development and Testing of a Green Stormwater Infrastructure Installation and Maintenance Certification Program	03/15/2019	47,754
Concepcion, Anoushka P	DOC/NOAA/Oceanic and Atmospheric Research	Sea Grant Northeast Regional Lobster Extension Program: Connecticut	02/05/2019	59,994
Cutz, German R	Farm Credit East	UConn Extension Urban Agriculture Program	03/19/2019	9,730
Martin, Jennifer L	USDA/Agricultural Marketing Service/FoodCorps	Increasing Awareness, Access, and Consumption of Connecticut Specialty Crops in High Need Schools	03/29/2019	30,458
Gray, Sharon S	CT Department of Public Health/Connecticut Children's Medical Center	Newborn Screening Program	01/25/2019	7,910
Fusco-Rollins, Maryann J	National 4-H Council	UConn Growing a CS Pathway	02/01/2019	50,000
Martin, Jennifer L	USDA/National Institute of Food and Agriculture/CT Department of Education	Improving Efficiency and Effectiveness of Farm to School in CT	03/29/2019	91,311
Kinesiology			5 Proposals	\$39,994
Mazerolle, Stephanie M	National Athletic Trainers' Association Research and Education Foundation	Secondary School Athletic Trainers: Examining the Development of Leadership	02/14/2019	2,500
Mazerolle, Stephanie M	National Athletic Trainers' Association Research and Education Foundation	Identifying Developmentally Effective Experiences and Self-Authorship Development among Professional Maters Athletic Training Students	02/13/2019	2,500

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Casa, Douglas J	National Strength and Conditioning Association	Mitigating Physical and Performance Decrements through Weekly Heat Exposure for Heat Acclimatization Maintenance	02/15/2019	14,994
Lepley, Lindsey	Eastern Athletic Trainers' Association	The Effect of Fat Infiltration after Anterior Cruciate Ligament Reconstruction on Quadriceps Mechanics and Patient Reported Function	03/01/2019	10,000
Huggins, Robert A	Eastern Athletic Trainers' Association	Effects of Heat Acclimatization Maintenance Protocols on Plasma Volume and Sweat Electrolyte Adaptations	03/01/2019	10,000
Natural Resources and the Environment			12 Proposals	\$3,978,192
Lawrence, Beth A	DOC/NOAA/National Oceanic and Atmospheric Administration	EESLR 2019: Tidal Restriction, Flooding Frequency, and the Trade-Offs Between Protective and Non-Protective Services Under the Sea-Level Rise	02/22/2019	750,000
Zhu, Zhe	DOI/United States Geological Survey	Toward Near Real-Time Monitoring and Characterization of Land Surface Change for the Conterminous US	01/08/2019	872,707
Anyah, Richard O	NSF/National Science Foundation	Droughts and Floods over the Horn of Africa and Nile Basin: Role of Large and Local Scale Processes and Climate-Hydrology-Landuse Connections	01/18/2019	695,128
Fahey, Robert T	NSF/National Science Foundation	SG: Assessing Temporal Dynamics of Disturbance Interactions as a Driver of a Novel Forest Mortality Event	01/11/2019	57,849
Lawrence, Beth A	DOE/Department of Energy/DePaul University	The reproduction gap: Connecting experimental warming & elevated CO2 influences on carbon and nutrient allocation to reproduction in boreal conifers with global systems models	03/22/2019	308,993
Fahey, Robert T	Tree Research and Education Endowment Fund (TREE Fund)	Monitoring and Modeling Changes in Street Tree Communities Over Time	03/08/2019	25,000
Witharana, Chandni	NSF/National Science Foundation	NNA Track 1: The Permafrost Discovery Gateway: Navigating the New Arctic Tundra through Big Imagery, Artificial Intelligence and Cyberinfrastructure	03/01/2019	609,651
Fahey, Robert T	NSF/National Science Foundation	Collaborative Research: MSA: Incorporating Canopy Structural Complexity to Improve Model Forecasts of Functional Effects of Forest Disturbance	02/25/2019	29,526
Helton, Ashley M	NSF/National Science Foundation	Collaborative Proposal: MRA: The Inland Water Clarity Project: Integrating Lakes, Rivers, and People at Continental Scales	02/25/2019	238,728
Fahey, Robert T	USDA/National Institute of Food and Agriculture	Training Forest Resources Graduates for an Exurban Forest Future	01/23/2019	246,000
Koenig, Lauren	Google/Colorado State University	Predicting Global Water Quality to Enable Decision Making	01/16/2019	109,610
Robbins, Gary A	EPA/Environmental Protection Agency/CT Department of Public Health	MOA Between DPH and UConn for Internships	01/11/2019	35,000
Nutritional Sciences			4 Proposals	\$438,205
Chun, Ock K.	DHHS/NIH/National Cancer Institute	Dietary Furocoumarins Potentiate UV Radiation-Induced Oxidative DNA Damage in Skin	02/26/2019	176,490
Fernandez, Maria-Luz	National Cattlemen's Beef Association	Identification of nutritional components in beef for disease prevention	01/18/2019	12,885
Puglisi, Michael J	USDA/Food and Nutrition Service/CT Department of Social Services	Food Security Project, CT SNAP-Ed Program	03/13/2019	7,330
Kohan, Alison	DHHS/NIH/National Institutes of Health	The apoC-III-IL-10-Treg Axis in Gut Inflammation	02/19/2019	241,500
Pathobiology			5 Proposals	\$3,297,167
Risatti, Guillermo	NSF/National Science Foundation/Battelle	Connecticut Veterinary Medical Diagnostic Laboratory (CVMDL) Testing Pathogens of Ticks Collected by the NEON Project	01/04/2019	856,170
Smyth, Joan	DHHS/NIH/National Institutes of Health/CT Department of Public Health	Necropsy Services for CT Department of Public Health	03/19/2019	10,000
Levin, Milton J	DOC/NOAA/National Ocean Service/Loggerhead Marinelifelife Center	Biotoxin Prevalence and Impacts on Immune Function and Disease Status in Florida's Sea Turtles	02/27/2019	368,448
Szczepanek, Steven M	DHHS/NIH/National Institutes of Health	Pathway to an Effective Mycoplasma Pneumoniae Vaccine having Overcome Vaccine-Induced Disease Exacerbation	02/05/2019	2,012,500
Khan, Mazhar I	USDA/National Institute of Food and Agriculture/Ohio State University	A Novel, Translational, Multidisciplinary Approach to Control Poultry Respiratory Diseases in the United States	01/31/2019	50,049

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Plant Science and Landscape Architecture			4 Proposals	\$76,040
Park, Sohyun	National Geographic Society	An Untold Story of Korean DMZ	01/09/2019	30,000
Park, Sohyun	DOI/National Park Service/Texas Tech University	Comprehensive Preservation Plan for Palmito Ranch Battlefield	03/06/2019	20,000
Li, Yi	DOE/Oak Ridge National Laboratory/Battelle	Crop improvement for yield increase and stress tolerance	02/27/2019	10,000
Guillard, Karl	New England Regional Turfgrass Foundation	Comparing Greenhouse Gas Emissions and Soil Microbial Populations from Turfgrass Fertilized with a Slow-Release Synthetic Fertilizer or an Organic Fertilizer	03/20/2019	16,040
College of Liberal Arts and Sciences			162 Proposals	\$97,909,033
Anthropology			11 Proposals	\$1,189,475
Smith, Chrystal A	NSF/National Science Foundation/Florida Polytechnic University	Collaborative Research: FPI Playbook - Increasing Opportunities for Rural Students through Creative Recruitment and Retention	03/27/2019	89,132
Bolnick, Deborah	NSF/National Science Foundation	Identifying Genomic Signatures of Evolutionary and Cultural Change in Native Americans	03/20/2019	78,437
Smith, Chrystal A	NSF/National Science Foundation/Florida Polytechnic University	Collaborative: Standard: Enhancing Internships with Professional Ethics Training: Cultivating an Ethical Engineer Identity	02/21/2019	35,995
Bolnick, Deborah	NSF/National Science Foundation	Collaborative Research: Standard Grant: The Ethics of Study Indigenous North American Ancient DNA: Moving from Theories to Practices	02/04/2019	47,055
Bolnick, Deborah	NSF/National Science Foundation	Collaborative Research: Migration Waves and Bio-cultural Adaptations Among the Prehistoric Terrestrial and Marine Peoples of Fuego-Patagonia	01/31/2019	232,623
Veninger-Robert, Jacqueline	DOI/National Park Service	Development of a State of Connecticut Protocol for the Disposition of Culturally Unidentifiable Human Remains and Associated Funerary Objects	03/07/2019	89,999
Abadia-Barrero, Cesar	NSF/National Science Foundation	Doctoral Dissertation Research: Building Peace through Health Promotion in Post-Conflict Societies	01/15/2019	18,887
Xygalatas, Dimitrios	NSF/National Science Foundation	Doctoral Dissertation Research Worldly dervishes: A mixed-methods study of Surfism in Istanbul	01/15/2019	18,535
McBride, Kevin A	DOI/National Park Service/Town of Montague, MA	Proposal 1676 Battle of Great Falls/ Wissantinnewag-Peskeompskut Site Identification and Evaluation Project Phase II	01/11/2019	57,300
Sosis, Richard H	Templeton (John) Foundation/University of Otago	The Evolutionary Dynamics of Religion, Family Size and Child Success	01/09/2019	286,134
Smith, Chrystal A	NSF/National Science Foundation	An Examination of How the Lived Experiences of African American Undergraduates Affect their Persistence in their Engineering Programs	01/15/2019	235,378
Chemistry			19 Proposals	\$9,335,443
He, Jie	NSF/National Science Foundation	SusChEM: Colligative States of Cu Catalysts: Bio-Inspired Design of Hybrid Polymer/Cu Catalysts for Oxygen Activation	03/29/2019	398,886
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon micro-droplet dynamics determined through surface confinement of trapped kinetic states	03/15/2019	110,000
Kumar, Challa V	NASA/National Aeronautics and Space Administration/Mark O'Neill	Curled Graphene Radiators for Space Applications	03/19/2019	25,000
Angeles-Boza, Alfredo M	American Chemical Society	15N Isotope Effects in Nitrogen Fixation Catalysis: Fundamental Understanding	03/15/2019	110,000
Asandei, Alexandru	American Chemical Society	Metal Mediated Interconversion and Functionalization of Perfluoroalkyl Halides	03/15/2019	110,000
Rusling, James F	DHHS/NIH/National Institutes of Health	Genotoxicity analysis of atmospheric particulate material in indoor and outdoor air	03/07/2019	644,000
Rouge, Jessica	DOD/Defense Threat Reduction Agency	Modular DNA-surfactant based nanocapsules for the selective detection of signature biological agents	03/04/2019	
Hren, Michael	NSF/National Science Foundation	Testing models of arc growth through geophysical and surface methods: Do drips matter?	02/21/2019	573,316
Suib, Steven L	DOE/Department of Energy/Giner	Plasma-Aided High Efficiency Carbon Dioxide Conversion	02/21/2019	40,000

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Peczuh, Mark W	DHHS/NIH/National Institute of General Medical Sciences	A Platform for Identifying Glycosylated Small Molecule Lead Compounds	02/14/2019	442,750
Rusling, James F	DHHS/NIH/National Institutes of Health	CRISPR-Activated Liquid Bioassay for Early Alzheimer's Disease	02/13/2019	442,750
Rouge, Jessica	DHHS/NIH/National Institutes of Health	Development of Novel Surfactant-DNA Conjugate Nanocapsules for Targeted Therapeutic Regulation of Proinflammatory Genes	02/05/2019	2,013,787
Adamson, Douglas	NSF/National Science Foundation	DMREF: Collaborative Research: Computationally Designed Recyclable Nanocomposites	02/04/2019	720,514
Rusling, James F	DHHS/NIH/National Institutes of Health	Single Cell Detection of Oral Cancer Metastasis in Lymph Nodes	02/04/2019	2,789,689
Suib, Steven L	DOE/Department of Energy/Physical Sciences	Controlled Porosity and Surface Coatings for Advanced Gas Diffusion Layers	01/24/2019	181,674
Angeles-Boza, Alfredo M	NSF/National Science Foundation	MRI: Acquisition of a MALDI TOF/TOF System for interdisciplinary research and training at the University of Connecticut	01/22/2019	380,111
Kumar, Challa V	NASA/National Aeronautics and Space Administration/Mark O'Neill	Space PV Concentrators for Outer Planet and Near-Sun Missions, Using Ultra-Light Fresnel Lenses Made with Vanishing Tools	01/11/2019	92,966
Suib, Steven L	DOE/Department of Energy/Precision Combustion	Using H2 and CO2 to Produce Liquids	02/15/2019	60,000
Suib, Steven L	United Technologies-Collins Aerospace	UTAS Center of Excellence High Temperature Composites	01/07/2019	200,000
Communication			1 Proposals	\$512,567
Buck, Ross W	NSF/National Science Foundation	Knowing Other Minds: Developing Construct-Valid, Objective, Performance Measures of Emotional and Cognitive Empathy	01/16/2019	512,567
Ecology and Evolutionary Biology			15 Proposals	\$15,396,132
Yarish, Charles	DOE/Advanced Research Projects Agency/University of Alaska, Fairbanks	Development of Scalable Coastal and Offshore Macroalgal Farming	03/22/2019	481,585
Yarish, Charles	DOE/Advanced Research Projects Agency/Marine Biological Laboratory	The Development of Techniques for Tropical Seaweed Cultivation and Harvesting	03/25/2019	417,796
Bagchi, Robert	NSF/National Science Foundation	Collaborative Research: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	01/25/2019	6,455
Simon, Christine M	NSF/National Science Foundation	REU Supplement: Exploring Endosymbiont Biodiversity and Complexity in the Family Cicadidae	02/01/2019	14,000
Yarish, Charles	DOE/Advanced Research Projects Agency/Woods Hole Oceanographic Institution	Integrated Seaweed Hatchery and Selective Breeding Technologies for Scalable Offshore Seaweed Farming	01/28/2019	247,380
Caira, Janine N	NSF/National Science Foundation	The Rettenmeyer Army Ant Guest Collection Becomes All it Can Be!	01/08/2019	321,858
Wegrzyn, Jill L	NSF/National Science Foundation	Dimensions US-China: Collaborative Research: The drivers of individual tree performance across the life cycle in a changing world	02/28/2019	1,188,331
Merow, Cory G	NSF/National Science Foundation	Collaborative Research: Dimensions US-South Africa: A Linked Ecosystem of Open Data Resources and Scientists to Investigate Past Biodiversity Dynamics in Socio-Environmental Systems	02/28/2019	1,459,329
Knutie, Sarah A	DHHS/NIH/National Institutes of Health	Early-life gut microbiota as a mediator of neonicotinoids, immune responses, and risk of tuberculosis	02/28/2019	1,714,124
Jones, Cynthia S	NSF/National Science Foundation	Mid-Scale RI-1 (M1:DP): Designing for Extreme Conditions: Expanding National Capacity for Plant Biodiversity Research	02/19/2019	5,043,949
Bolnick, Daniel I	Childs (Jane Coffin) Memorial Fund for Medical Research	Jane Coffin Childs Memorial Fund for Medical Research - Fellowship - Foen Peng	02/12/2019	168,900
Urban, Mark C	NSF/National Science Foundation	NRT: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	02/06/2019	3,000,000
Caira, Janine N	NSF/National Science Foundation	Collaborative Research: Cestode Phylogenetics and Genomics: A Spine for the Spineless, Gutless Worms	01/30/2019	1,209,967
Bolnick, Daniel I	NSF/BIO/Directorate for Biological Sciences	Conference: IOS-EDGE Principal Investigators Meeting	01/29/2019	72,082

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Bolnick, Daniel I	American Association of Immunologists	Intersect Fellowship for Computational Scientists and Immunologists	01/17/2019	50,376
Economics			1 Proposals	\$178,327
Huang, Ling	NSF/National Science Foundation	Measuring the Housing Market from Space	01/28/2019	178,327
English			4 Proposals	\$101,991
Deans, Tom	Burroughs Wellcome Fund/University of Connecticut Health Center	The UConn Health Writing Program for Biomedical Science Trainees	03/06/2019	11,866
Courtmanche, Jason C	National Writing Project Corporation	Narratives of Empathy: Building a Connected Community Through Literature, Storytelling, and Dialogue	03/14/2019	20,000
Cutter, Martha	NEH/National Endowment for the Humanities	Slavery as Spectacle: The Lives and Afterlives of Henry Box Brown, the Slave Who Mailed Himself to Freedom	02/22/2019	60,000
Courtmanche, Jason C	CT Department of Education	CT Writing Project - UConn	02/11/2019	10,125
Geography			5 Proposals	\$1,420,454
Stephenson, Scott	NSF/National Science Foundation	NNA Track 1: Collaborative Research: Navigating Convergent Pressures on Arctic Resources (CPAR)	03/04/2019	374,806
Park Boush, Lisa	NSF/National Science Foundation	Collaborative Research: AccelNet: LINKEDCOS: A Linked Ecosystem of Open Data Resources and Scientists to Investigate Past Biodiversity Dynamics in Socio-Environmental Systems	02/28/2019	562,181
Ghosh, Debarchana	Connecticut Bar Foundation/Connecticut Fair Housing Center	Effects of foreclosures on community health and neighborhood de-stabilization: A mixed method approach	01/16/2019	87,500
Atkinson-Palombo, Carol	NSF/National Science Foundation	Standard Grant: Why is Sustainable Transportation So Hard to Achieve? A Historically-Grounded Framework for the Adoption of Emerging Transportation Technologies	02/04/2019	395,967
Trumbull, Nathaniel S	Eurasia Foundation	Creation, Development, and Replication of Business Game on Decommissioning in the U.S. and Russia	02/15/2019	
History			1 Proposals	\$157,951
Baldwin, Peter C	NEH/National Endowment for the Humanities	Silicon Valley of the 19th Century: The Industrial Revolution in Central Connecticut	02/21/2019	157,951
Human Development and Family Studies			6 Proposals	\$459,268
Schwartz, Marlene B	University of California, San Francisco	Expert Committee on Nutrition Standards for Food Banks	03/22/2019	11,711
Adamsons, Kari L	CT Department of Social Services	CT Fatherhood Initiative	03/12/2019	9,999
Eaton, Lisa A	DHHS/NIH/National Institutes of Health/University of Pittsburgh	Same-Day PrEP Access for Behaviorally Bisexual Black Men: A Novel Community-Based Intervention to Reduce Intersectional Stigma	01/11/2019	59,246
Schwartz, Marlene B	Partnership for a Healthier America	Evaluation of Commitments Made by Child Care Centers with Partnership for a Healthier America	01/31/2019	41,415
Schwartz, Marlene B	USDA/Food and Nutrition Service/CT Department of Education	Assessing Connecticut District Policies using the WSCC Model	03/28/2019	49,750
Gans-DeLuca, Kim M	DHHS/NIH/National Institutes of Health/Miriam Hospital	Establishing Multi-site Fidelity of an Enhanced Yoga and Novel Nutrition Intervention for Adults with Type 2 Diabetes	01/18/2019	287,147
Integrative Geoscience			3 Proposals	\$777,295
Tabor, Clay	NSF/National Science Foundation	Collaborative Research: Evaluating Climate Change and Kill Mechanisms Associated with the End-Cretaceous Mass Extinction: A Model-Data Comparison Approach	02/21/2019	522,466
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: P2C2-Multi-Time-Scale Climate Dynamics in California (CA): An Integrated Multi-Proxy Stalagmite, Monitoring, and Modeling Approach	02/12/2019	2,254

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Gillingham, Julie C	NSF/National Science Foundation	Collaborative Research: Exhumation of Deep-Seated Rocks within Climate-Influenced and Oblique Orogenic Systems	01/11/2019	252,575
Linguistics			1 Proposals	\$11,917
Gajewski, Jon	NSF/National Science Foundation	Doctoral Dissertation Research: On the Semantics of Evidentials in Southern Aymara	01/11/2019	11,917
Marine Sciences			15 Proposals	\$6,259,444
Bucklin, Ann	TED Conferences/Woods Hole Oceanographic Institution	Ocean Twilight Zone Project: Biodiversity Theme - Part 2	01/11/2019	100,001
Siedlecki, Samantha A	DOC/NOAA/Oceanic and Atmospheric Research	Assessment of the Observing Network to Identify Processes Relevant to the Predictability of the Coastal Ocean of the Northeast on Centennial Time Scales	03/15/2019	762,182
Lombardo, Kelly	DOE/Office of Science/University of Wyoming	Relationship between environmental variability and convective cloud processes and characteristics	03/06/2019	253,074
Vaudrey, Jamie M	Long Island Community Foundation/Earthplace	Assessing the Characteristics Needed in a Universal Long Island Sound Data Platform	03/06/2019	22,955
Lund, David C	NSF/GEO/Directorate for Geosciences	Collaborative Research: Mid-ocean ridge metal fluxes - Proxies of hydrothermal activity or bottom water hydrography?	02/28/2019	389,869
Mason, Robert	DHHS/NIH/National Institutes of Health	Climate related impacts of human exposure to methylmercury in coastal ecosystems in the US and China	02/20/2019	1,234,000
Granger, Julie	NSF/National Science Foundation	Investigation of Mechanisms Leading to Seasonal Hypoxia in the Southern Benguela Upwelling System	02/14/2019	512,929
McManus, George B	NSF/National Science Foundation	Collaborative Research: Combining Single-Cell and Community "omics" to Test Hypotheses about Diversity and Function of Planktonic Ciliates	02/15/2019	540,208
Mason, Robert	NSF/National Science Foundation	The role of unicellular plankton in determining the fate of selenium in the upper ocean	02/15/2019	691,799
Vlahos, Epapante P	NSF/National Science Foundation	Collaborative Research: Shifts and Transitions in Phytoplankton and Bacterial Community Dynamics in Response to Carbon and Nitrogen Inputs along an Urban, Estuarine Continuum	02/15/2019	300,307
Lin, Senjie	NSF/National Science Foundation	EDGE CT: Transformation and CRISPR/Cas9 Tools for Studying Gene Function in Dinoflagellates	02/11/2019	926,033
Lombardo, Kelly	NSF/National Science Foundation	Collaborative Project: MCS Evolution in the Midlatitude Maritime Environment eXperiment (MEMMEX)	01/31/2019	378,613
Tobias, Craig R	/DOD/Navy/Naval Facilities Engineering Command (NAVFAC)	Stable-Isotope Labeled Tracers, an Innovation Way to Validate Natural Attenuation of RDX in Groundwater	03/18/2019	50,000
Vaudrey, Jamie M	Long Island Sound Funders Collaborative/Connecticut Fund for the Environment	Serving as Regional Home for the Long Island Sound Report Card	01/14/2019	24,000
Mason, Robert	DHHS/NIH/National Institute of Environmental Health Sciences/Dartmouth College	Sources and Protracted Effects of Early Life Exposure to Arsenic and Mercury	01/29/2019	73,474
Mathematics			5 Proposals	\$210,000
Sengupta, Ambar N	Simons Foundation	Mathematical Problems from Gauge Theories and Infinite-Dimensional Geometry	01/31/2019	42,000
Lozano-Robledo, Alvaro	Simons Foundation	Galois Representations, Modular Curves, and Rational Points	01/30/2019	42,000
Yan, Xiaodong	Simons Foundation	Some Nonlocal PDE Models	01/30/2019	42,000
Ben Ari, Iddo	Simons Foundation	Topics in Ergodicity of Markov Processes	02/04/2019	42,000
Li, Zhongyang	Simons Foundation	Phase Transitions and Scaling Limits in Statistical Mechanical Models	01/31/2019	42,000
Molecular and Cell Biology			12 Proposals	\$15,363,437
Alder, Nathan N	DHHS/NIH/National Institutes of Health	First-in-class peptide therapeutics for mitochondrial disorders: molecular mechanism of action and optimization of design	02/19/2019	2,497,214

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O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Meiotic Breakdown and Transgenerational Epigenetic Effects in a Mouse Model Targeting the Xlr3 Gene Family	02/19/2019	2,012,500
Alexandrescu, Andrei T	DHHS/NIH/National Institutes of Health	Structural Definition of the IAPP Amyloid Misfolding Landscape	02/19/2019	161,000
Goldhamer, David J	DHHS/NIH/National Institutes of Health	Regulation of satellite cell development, programming and differentiation by myogenic factors	02/05/2019	2,767,795
Campellone, Kenneth G	DHHS/NIH/National Institutes of Health	Cytoskeletal control of EHEC pedestal biogenesis, cell-to-cell spread, and colonization	02/05/2019	2,012,500
Heaslip, Aoife	DHHS/NIH/National Institutes of Health	Mechanisms of Vesicle Trafficking in Toxoplasma Gondii	02/05/2019	2,012,500
Giardina, Charles A	DHHS/NIH/National Institutes of Health	p53 Regulation at the Centromere	02/26/2019	161,000
Teschke, Carolyn M	DHHS/NIH/National Institutes of Health/University of North Carolina, Chapel Hill	A Novel Protein Export Chaperone of Mycobacterium Tuberculosis	01/22/2019	123,515
Gogarten, Johann P	NASA/National Aeronautics and Space Administration	Niche Adapting Genes: How Microbes Evolve	03/11/2019	135,000
Gogarten, Johann P	NASA/National Aeronautics and Space Administration	Rooting the Eukaryotic tree using structural phlogenetic analysis of the proteasome and other ancient duplicated genes	03/11/2019	135,000
Lynes, Michael A	DOD/Department of Defense	Anti-metallothioein: a novel therapeutic for breast cancer	03/28/2019	608,580
Teschke, Carolyn M	DHHS/NIH/National Institutes of Health	Understanding the Protein: Protein Interactions Required for Virus Assembly	03/05/2019	2,736,833
Philosophy			1 Proposals	\$31,424
Battaly, Heather D	University of Oklahoma/Georgia State University	Political Humility: Conceptualization and Implications for Online Political Engagement	02/14/2019	31,424
Physics			13 Proposals	\$6,903,409
Gibson, George N	Research Corporation for Science Advancement (RCSA)	Ultrahigh Sensitivity Infrared Vibrational Spectroscopy using Ultrashort Pulse Pump/probe Spectroscopy	03/01/2019	50,000
Battersby, Cara	NASA/National Aeronautics and Space Administration	Stirring up the Pot: Turbulent Evolution and Disrupted Star Formation in Galactic Centers	03/11/2019	135,000
Battersby, Cara	NASA/National Aeronautics and Space Administration/California Institute of Technology	ASTHROS - Astrophysics Stratospheric Telescope for High spectral Resolution Observations at Submillimeter-wavelengths	03/21/2019	18,000
Tease, Katherine E	Sloan (Alfred P.) Foundation	Tracing the Cosmic Shutdown of Massive Galaxies	03/28/2019	70,000
Roychoudhuri, Chandra S	NASA/National Aeronautics and Space Administration	Experimental Validation for Space as a Stationary Complex Tension Field (CTF)	03/29/2019	252,265
Trump, Jonathan R	NASA/National Aeronautics and Space Administration	Mapping the Light Echoes of Black Hole Growth	03/11/2019	135,000
Tease, Katherine E	NASA/National Aeronautics and Space Administration	REQUIEM^20: REsolving QUIEscent Magnified Galaxies with 2D Grism Spectroscopy	03/11/2019	135,000
Jones, Richard T	NSF/National Science Foundation	CC* Compute: Shared Computing Infrastructure for Large-scale Science Problems	02/20/2019	400,000
Joo, Kyungseon	NSF/National Science Foundation/Duquesne University	Development of the RICH Detector for the CLAS12 Spectrometer in Hall B of Jefferson Lab	01/18/2019	70,000
Berrah, Nora	NSF/National Science Foundation/University of Central Florida	United States Tabletop Attosecond Laser Facility (USTALF)	01/21/2019	1,987,985
Joo, Kyungseon	DOE/Department of Energy	Medium Energy Nuclear Physics with CLAS at Jefferson Lab	02/05/2019	1,416,000
Cote, Robin J	DOD/Army/Army Research Office	Fast Dynamics of Molecular Dressed States	01/09/2019	564,999
Dunne, Gerald V	DOE/Department of Energy	Theoretical High Energy and Particle Physics	01/21/2019	1,669,160
Physiology and Neurobiology			8 Proposals	\$8,642,472
Conover, Joanne	DHHS/NIH/National Institutes of Health	Disease Mechanisms of Prenatal Acquired Hydrocephalus	03/05/2019	2,012,500
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Developing minor spliceosome and Fus loss of function mouse models for FTD	03/14/2019	2,094,972

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Mulkey, Daniel K	DHHS/NIH/National Institutes of Health	Defining Astrocyte Heterogeneity Across the Brainstem Respiratory Circuit	03/18/2019	442,750
Sun, Jianjun	DHHS/NIH/National Institutes of Health	Physiological Functions of Female Reproductive Tract Secretions	03/04/2019	2,012,500
Mulkey, Daniel K	American Epilepsy Society	Loss of Function of SCN1A in Brainstem Inhibitory Neurons Contribute to Disordered Breathing	02/01/2019	50,000
Mulkey, Daniel K	DHHS/NIH/National Heart, Lung, and Blood Institute	Role of KCNQ2 Channels in Control of Breathing	01/31/2019	190,350
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health	UConn Postbaccalaureate Research Education Program (PREP)	01/24/2019	1,814,400
Sun, Jianjun	University of Iowa, Developmental Studies Hybridoma Bank	Antibody Tools for Protein Expression in Drosophila Female Reproductive System	01/23/2019	25,000
Political Science			2 Proposals	\$809,200
Arat, Zehra	NSF/National Science Foundation	Development of Human Rights Norms: The Case of Turkey	01/28/2019	659,375
Venator, Charles R	City of Holyoke, MA	Post-Hurricane Maria Planning Study, City of Holyoke, MA	01/07/2019	149,825
Psychological Sciences			25 Proposals	\$26,566,798
Park, Crystal	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	RCT of Yoga to Improve Symptom Control and Quality of Life in Pediatric Cancer Patients in Active Treatment	02/22/2019	815,599
Hoelt, Fumiko	Oak Foundation	Supporting Optimal Outcomes for Students with Learning Differences	02/28/2019	769,578
Large, Edward	DHHS/NIH/National Institute on Deafness and Other Communication Disorders	An interactive rhythm-based intervention for language skills in aphasic and dyslexic populations	02/28/2019	1,894,876
Henning, Robert A	NSF/National Science Foundation	Collaborative Research: FW-HTF-RM: An Intelligent Relational Tracking System for Augmenting Social Skills during Face-to-Face Collaborative Decision Making and Creative Problem Solving	03/06/2019	1,180,536
Salamone, John D	DHHS/NIH/National Institutes of Health	Atypical Dopamine Transport Inhibitors as Treatments for Motivational Dysfunction	03/18/2019	161,000
Hoelt, Fumiko	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	UConn Healthy Brain and Child Development (BCD) Program	03/19/2019	312,115
Swadlow, Harvey A	DHHS/NIH/National Institutes of Health	The Role of LGN Directional Selectivity in Visual Cortical Processing	03/18/2019	442,750
Barnes-Farrell, Janet L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	Aging, Musculoskeletal Disorder and Work Capacity	03/29/2019	14,474
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Dose Determination Trial for Implementing Evidence-Based Behavioral Interventions	01/03/2019	3,942,153
Hoelt, Fumiko	DHHS/NIH/National Institute of Child Health and Human Development	Intergenerational Neuroimaging of Language and Reading Networks using a Natural Crossfostering Design	02/14/2019	4,041,203
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Intersectional Stigma Management Intervention to Improve Engagement in HIV Care	01/03/2019	3,985,582
Hoelt, Fumiko	Chan Zuckerberg Initiative/University of California, San Francisco	Development and Validation of Precision Learning Executive Function App (PLEF)	01/30/2019	1,298,381
Salamone, John D	Lundbeck	Assessing the effect of chronic dopamine receptor 2 blockade as a potential model of secondary negative symptoms in rats	01/28/2019	168,032
Park, Crystal	Templeton (John) Foundation/Biola University	Christian Meaning-Making, Suffering and the Flourishing Life	01/11/2019	340,565
Coppola, Marie	NSF/National Science Foundation/University of Chicago	Two-Verb Predicates in Sign Languages: Typological variation and emergence	01/14/2019	52,499
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Developing a novel approach to assessing intersectional stigma to advance HIV prevention research with Black men who sex with men	01/23/2019	442,750
Kalichman, Seth C	DHHS/NIH/National Institutes of Health/University of California, Los Angeles	Effectiveness of a CBT-Based mHealth Intervention Targeting MOUD Retention Adherence and Opioid Use	01/28/2019	166,543
Fein, Deborah A	DHHS/NIH/National Institutes of Health/University of California, Davis	You & Me = We: Improving early social cognitive development in young children with ASD; a pilot randomized clinical trial	01/31/2019	38,051

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Salamone, John D	DHHS/NIH/National Institutes of Health	Physiological Markers of Forebrain Circuit Engagement Regulating Effort-Based Decision Making	02/04/2019	1,175,780
Dixon, James A	NSF/National Science Foundation	Bridging Explanatory Approaches to Collective Behavior: Decisions Networks and Physics in Futbol	02/01/2019	999,750
Rueckl, Jay G	DHHS/NIH/National Institutes of Health/Florida State University	Towards an understanding of how children read and spell complex words: An item-level and computational approach to identifying malleable factors	02/01/2019	867,250
Fitch, Roslyn H	DHHS/NIH/National Institutes of Health	Therapeutic Cooling and Caffeine for Brain Injury of Prematurity	02/05/2019	3,070,690
Chen, Chi-Ming	DHHS/NIH/National Institutes of Health/Drexel University	Web-Based Screening for Autism in Toddlers	02/21/2019	145,641
Salamone, John D	DHHS/NIH/National Institutes of Health	Hypothalamic Dopamine and the Effects of Lisdexamfetamine in a Binge Eating Model	02/19/2019	161,000
Fitch, Roslyn H	Autism Speaks	Communicative Outcomes in the Presence of Dual Mutation Associated with CAPD and ASD	02/13/2019	80,000
Speech, Language and Hearing Sciences			3 Proposals	\$2,067,451
Skoe, Erika	DHHS/NIH/National Institutes of Health	Noise Exposure and the Benefits of Musicianship	02/28/2019	1,997,451
Cienkowski, Kathleen M	Ida Institute	Effectiveness of immersion for enhancing the benefits of group aural rehabilitation for adults with hearing loss	03/04/2019	10,000
Myers, Emily	Acoustical Society of America	Speech Perceptual Learning in Parkinson's Disease	02/15/2019	60,000
Statistics			11 Proposals	\$1,514,578
Harel, Ofer	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Empower community-invested constituents with practical statistical skills to generate evidence from data and turn into action	01/22/2019	102,712
Chen, Kun	NSF/National Science Foundation	Collaborative Research: Integrative Analysis of Heterogeneous Biomedical Data Through Stagewise Multi-Convex Learning: Scalable Computation and Statistical Guarantee	01/16/2019	445,258
Chen, Ming-Hui	DHHS/NIH/National Institutes of Health/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	01/11/2019	433,949
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	01/11/2019	13,882
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model - Round Two of Funding	01/28/2019	37,305
Chen, Ming-Hui	Merck/University of North Carolina, Chapel Hill	Statistical Analysis of Clinical Data	03/14/2019	60,738
Chen, Ming-Hui	DHHS/NIH/National Cancer Institute/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	01/21/2019	97,189
Chen, Ming-Hui	United Technologies-Pratt & Whitney	V2500 & NEO Combustor Life Modeling	02/05/2019	25,000
Wang, Xiaojing	Simons Foundation	Methodological and Theoretical Developments for Bayesian Modeling in Large-Scale Complex Data	01/31/2019	42,000
Zhang, Yuping	DHHS/NIH/National Institutes of Health	Statistical Methods to Prioritize Condition-Specific Molecular Interactions and Pathways in Cancer	02/26/2019	161,000
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	01/28/2019	95,545
NEAG School of Education			15 Proposals	\$2,785,564
Curriculum and Instruction			2 Proposals	\$80,077
Campbell, Rebecca A	NSF/National Science Foundation/Harris-Stowe State University	RCN-UBE-Inclusive Environments and Metrics in Biology Education and Research (iEMBER): Novel Networking to Promote New Collaborations and Broaden Participation	01/22/2019	30,077
Truxaw, Mary P	Spencer Foundation	Co-Teaching to Enhance Teacher Efficacy for Teaching Mathematics in Linguistically Diverse Classrooms	01/28/2019	50,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Educational Leadership			6 Proposals	\$1,667,991
Weiner, Jennie	Insight Education Group	Evaluating the STEP Process	02/27/2019	51,600
Castillo-Montoya, Milagros	/Education Commission of the States	People in the Reform Series	01/30/2019	37,600
McGarry, Jennifer E	USDA/Food and Nutrition Service/CT Department of Social Services	Husky Sport	03/11/2019	7,330
Cobb, Casey D	Hartford Foundation for Public Giving	Retrospective Analysis of the Hartford Community Schools Program	03/13/2019	84,489
Cobb, Casey D	NSF/National Science Foundation/University of Maine	Research on Underrepresented Students in STEM	03/14/2019	416,972
Gonzales, Richard	Wallace Foundation	Wallace UPPI Initiative	01/29/2019	1,070,000
Educational Psychology			7 Proposals	\$1,037,496
Bray, Melissa A	Waterford Public Schools, CT	School Psychology Graduate Intern - Danielle Stern	03/26/2019	18,847
La Salle, Tamika P	DHHS/NIH/National Institutes of Health/University of Alabama, Birmingham	Reducing Youth Violence and Racism/Discrimination: The Efficacy of Comprehensive Prevention Strategies (CPS)	02/28/2019	221,316
Loken, Eric O	DHHS/NIH/National Institutes of Health/Pennsylvania State University	Primary Prevention of Obesity: The Responsive Approach to Infants with Signing Enhancement (RAISE) Trial	01/29/2019	133,053
Rhoads, Christopher H	NSF/National Science Foundation/City University of New York	What happens when students can't get into an online STEM course section? Online course scarcity, student time poverty, and academic momentum	01/14/2019	164,417
Lombardi, Allison	ED/Office of Special Education and Rehabilitative Services/CT Department of Education	Post-School Outcomes Survey of CT Special Education Students - Exitors of Special Education Graduation Years 2017 and 2018	03/08/2019	128,196
Kearney Lydon, Kelly	American Psychological Foundation	Reflecting on Giftedness in Self and Others: Preparing High-Ability Preservice Teachers for the Classroom	02/28/2019	49,667
Renzulli, Joseph S	Cooke (Jack Kent) Foundation	Young Scholars Senior Summit Program	01/15/2019	322,000
School of Business			2 Proposals	\$138,642
Connecticut Center for Entrepreneurship and Innovation			1 Proposals	\$75,000
Murphy, Jennifer E	CTNext	Spurring InsurTech in Connecticut	02/20/2019	75,000
Finance			1 Proposals	\$63,642
Carstensen, Fred V	Borough of Naugatuck, CT	The Naugatuck Inland Port Project	03/19/2019	63,642
School of Engineering			109 Proposals	\$71,688,573
Biomedical Engineering			15 Proposals	\$10,574,465
Nukavarapu, Syam P	NSF/National Science Foundation	NSF Transfer# 164008	02/25/2019	27,498
Hoshino, Kazunori	NSF/ENG/Directorate for Engineering	Micro/Mesoscale Elastography Based on Real-Time 3D Tomography and Cantilever Force Sensing	02/04/2019	16,000
Zheng, Guoan	CytoVeris	Rapid Raman Spectroscopy Imaging via Laser Line-Array Projection	01/18/2019	50,000
Zheng, Guoan	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	A Reaction-Diffusion-Based Approach for Nucleic Acid Quantification	01/31/2019	21,605
Shahbazmohamadi, Sina	NSF/National Science Foundation	HDR DSC: Data Science Training for the Next Generation Microscopists using a Workflow-Based Cyber-Infrastructure	02/14/2019	1,199,350
Santaniello, Sabato	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Functional Stimulation for Neural Regeneration	02/01/2019	550,000
Feng, Bin	DHHS/NIH/National Institutes of Health	Determining the topology and molecular profiles of nociceptive DRG neurons innervating distal colon and rectum	02/08/2019	2,111,621

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Chen, Yupeng	NSF/National Science Foundation	ISS: Engineering Multiple-compartment Cartilage Tissue Construct for Space and Terrestrial Applications	03/04/2019	400,000
Feng, Bin	DHHS/NIH/National Institutes of Health	Electrodermal Recordings of Autonomic Neural Activities as an Objective Metric for Visceral Pain	03/06/2019	3,531,665
Nukavarapu, Syam P	DHHS/NIH/National Institutes of Health	Biodegradable Scaffolds for Osteochondral Tissue Engineering	03/05/2019	2,020,097
Kaputa, David F	VA/Greater Los Angeles Healthcare System	VA LA 2019-2021	03/04/2019	129,881
Zheng, Guoan	DHHS/NIH/National Institutes of Health/CytoVeris	Angular Depth Resolved Raman Spectroscopy	03/29/2019	70,888
Kaputa, David F	Hartford Hospital	Hartford Hospital 2019-2020	03/25/2019	109,898
Hoshino, Kazunori	DOD/Department of Defense/Yale University	Smart Flow Sensor for a Cerebral Shunt	03/25/2019	206,081
Kaputa, David F	University of California, San Francisco Health	2019-2021 Clinical Engineering Internship Program at UCSF Medical Center	01/09/2019	129,881
Chemical and Biomolecular Engineering			20 Proposals	\$8,402,883
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	A New Process for Upcycling Plastic and Biomass in the Form of Hot Mix Liquid Asphalt Substitute	02/20/2019	38,942
Alpay, Pamir	United Technologies-Collins Aerospace	UTAS Center for Excellence	01/07/2019	150,000
Valla, Ioulia	University of New Haven	Integrated eLearning KEEN Module W/University of New Haven	01/08/2019	2,000
Bollas, Georgios	United Technologies-Pratt & Whitney	Model Based Systems Engineering Modeling Abstractions for System Definition and Performance Analysis	01/15/2019	75,000
Ma, Wing Kui Anson	Mixed Sources/University of Massachusetts, Lowell	Multi-Material Projection Microstereolithography-Based 3D Printing	01/16/2019	47,086
Valla, Ioulia	Doosan Fuel Cell America	Hydro sulfurization testing using various catalysts and feedstocks	01/16/2019	49,967
Nieh, Mu-Ping	NSF/National Science Foundation/University of Tennessee	MIP: Deuterium Biomaterials Innovation Network (DBI Net)	01/28/2019	550,000
Alpay, Pamir	NSF/National Science Foundation/University of Tennessee	DMREF: Collaborative Research: Accelerating High-temperature Energy Materials Discovery via Artificial Intelligence	02/01/2019	320,000
Lei, Yu	DHHS/NIH/National Institutes of Health	A High-throughput, Low-Cost, Portable, Engineered "Mycologist" Platform for Rapid and Reliable Identification of Candida Species and Determination of its Susceptibility Profiles	02/05/2019	3,882,000
Cho, Yongku P	Dreyfus (Camille and Henry) Foundation	Highly Specific Recognition of Protein Post-Translational Modifications for Live Cell Imaging	02/07/2019	100,000
McCutcheon, Jeffrey R	NSF/National Science Foundation	DMREF: Collaborative Research: Using Data Driven Approaches to Identify New Monomers for Polyamide Membrane Synthesis	02/04/2019	1,400,000
Ma, Wing Kui Anson	DOD/Navy/Department of the Navy/Physical Sciences	Additive Manufacturing for Li-Ion Batteries	02/21/2019	290,000
Wagstrom, Kristina	NSF/National Science Foundation	NNA Track 1: Quantifying Specific Air Pollution Source Impacts to Current and Future Arctic Climate and Ecosystems	03/04/2019	422,000
McCutcheon, Jeffrey R	NSF/National Science Foundation	Collaborative Research: Reverse Osmosis Membranes with Tunable Properties: Quantifying the Impact of Roughness on Fouling Propensity	03/18/2019	333,139
Srivastava, Ranjan	NSF/National Science Foundation	Pushing on Tipping Points Using Data Science	03/04/2019	
Bollas, Georgios	United Technologies-Pratt & Whitney	Physics-Informed Machine Learning for Fault Detection and Isolation in Aerospace Systems Phase 1	03/11/2019	37,536
Bollas, Georgios	United Technologies-Pratt & Whitney	Physics-Informed Machine Learning for Fault Detection and Isolation in Aerospace Systems Phase 2	03/12/2019	37,463
Cho, Yongku P	DHHS/NIH/National Institute of Neurological Disorders and Stroke	Human antibodies recognizing oligomeric tau	03/18/2019	442,750
Willis, Brian G	LAM	Studies of Plasma-ALD Yttria Thin Films for Corrosion Resistant Coatings	03/25/2019	50,000
Bollas, Georgios	American Institute of Chemical Engineers	Model-Based Process Systems Engineering for Process Intensification	03/25/2019	175,000

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Civil and Environmental Engineering			18 Proposals	\$28,296,114
Jackson, Eric D	RI Department of Transportation	A Community Survey Proposal for the RI DOT TRIP Mobility Challenge	02/08/2019	416,265
Jackson, Eric D	Consumer Reports	Consumer Reports Pilot	01/02/2019	19,584
Li, Baikun	NSF/National Science Foundation	Planning IUCRC University of Connecticut: Center for Soil Dynamics Technologies	02/05/2019	15,000
Sofia, Giulia	NSF/National Science Foundation	RHEA: a geomorphological shift in flood risk analysis under changes in landscape and climate drivers	02/21/2019	494,132
Jackson, Eric D	NAS/Transportation Research Board	Influence of Infrastructure Design on Distracted Driving	01/28/2019	250,000
Chrysochoou, Maria	NSF/National Science Foundation	IUSE/PFE: RED Innovation Beyond Accommodation: Leveraging Neurodiversity for Engineering Innovation	01/24/2019	2,000,000
Kim, Jeongho	United Technologies-Pratt & Whitney	UConn - Compression Systems: Composites Manufacturing, Analysis and Test	01/10/2019	65,000
Pena Mendez, Malaquias	DOC/NOAA/National Oceanic and Atmospheric Administration	Advancing Unified Forecast System subseasonal-to-seasonal prediction of precipitation using spatial verification methods	01/22/2019	240,025
Jackson, Eric D	NSF/National Science Foundation	MRI: Acquisition of Autonomous Vehicles (AV) Project	01/22/2019	1,601,115
Ivan, John N	NAS/Transportation Research Board/University of Central Florida	Updating Safety Performance Functions for Data-Driven Safety Analysis	01/17/2019	240,000
Lownes, Nicholas	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	UConn 2019 Summer Transportation Institute	03/27/2019	50,000
Jackson, Eric D	DOT/Federal Highway Administration (FHA)	Connecticut Autonomous Microshuttle Demonstration Initiative	03/21/2019	7,237,004
Dokou, Zoi A	Strategic Environmental Research and Development Program (SERDP)	PFAS source identification using experimental, mathematical modeling and optimization techniques	03/11/2019	940,586
Jackson, Eric D	NSF/National Science Foundation	Mid-scale RI-1 (M1:IP): Construction of the Northeast Test Track and Training Facility	02/19/2019	12,573,001
Kirchhoff, Christine	NSF/National Science Foundation	CNH2-L: Collaborative Research: Integrating farm, city and nitrogen to assess and manage toxic algal blooms as a socio-environmental system	02/14/2019	1,599,262
Malla, Ramesh B	DOT/Department of Transportation/University of Maine	US DOT - University Transportation Center - Region 1 (New England)	03/19/2019	505,000
Chrysochoou, Maria	CT Department of Economic and Community Development	The Connecticut Brownfields Initiative	01/11/2019	25,000
Kim, Jeongho	DOD/Air Force/Department of the Air Force/LBI	Composite Case Technology for Penetrators/Perforators	02/05/2019	25,140
Computer Science and Engineering			16 Proposals	\$10,559,354
Nabavi, Sheida	DOD/Department of Defense	Knowledge Powered Deep Learning for Precise Mammographic Breast Cancer Detection	03/28/2019	649,013
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	High Resolution 3D Mapping of Cellular Heterogeneity within Mineralized Tissue	03/12/2019	753,090
Krawec, Walter O	Comcast Corporation	CSI Selected Projects 2019: Development of Experimental Test-Bed for Multi-User Quantum Communication Protocols	03/12/2019	222,125
Rajasekaran, Sanguthevar	DOE/Department of Energy	Novel Computational Big Data Techniques for Chemical and Materials Systems	03/08/2019	1,500,000
Yang, Qian	DOE/Department of Energy	Statistical Learning of Chemical Reactivity in Complex Systems	03/08/2019	
Rajasekaran, Sanguthevar	DHHS/NIH/National Institutes of Health	Efficient Techniques for Healthcare Data Integration and Privacy	03/05/2019	2,652,508
Han, Song	DOE/Department of Energy	A Secure Communication Framework with Verifiable Authenticity for Immutable Services in Fossil Power Generation	02/25/2019	400,000
Han, Song	NSF/National Science Foundation	CC* Integration: Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	02/20/2019	952,384
Shin, Dong	DHHS/NIH/National Institutes of Health	GERIAT DB: Aging Study Gene Repression Database Supporting Ad Hoc Querying and Topology-Based Pathways Analysis	02/19/2019	2,877,544

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Han, Song	NSF/National Science Foundation	CCRI: Planning: Towards a Software-defined Industrial Internet of Things (IIOT) Research Infrastructure for Advanced Manufacturing	02/20/2019	40,000
Jbara, Ahmad H	Comcast Corporation	Comcast Selected Projects 2019: Open Source Component Analysis	02/15/2019	100,000
Michel, Laurent D	Comcast Corporation	CSI Selected Projects 2019: TSF Service/Tenant Automated Deployment	02/15/2019	100,000
Johnson, Joseph	Unilever	Machine Learning Consumer Project Formulation Features for Sensory Characteristic Prediction	02/07/2019	43,290
Bi, Jinbo	VentureWell	Secure Election Systems LLC	02/04/2019	5,000
Han, Song	NSF/National Science Foundation	PFI-TT: Towards a Configurable Real-Time High-Speed Wireless Communication Platform for Large-Scale Industrial Sensing and Control Systems	01/17/2019	250,000
Herzberg, Amir	NSF/CISE/Directorate for Computer and Information Science and Engineering	CICI: SSC: Robust and Secure Internet Infrastructure for Scientific Collaboration	03/29/2019	14,400
Connecticut Transportation Institute			2 Proposals	\$115,676
Zhao, Shanshan	Ohio Department of Transportation/Ohio University	2020-07 Freeway Segment Safety Performance Function (SPF) Development	03/13/2019	32,876
Shea, Donna	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	CT Safety Circuit Rider Program	02/21/2019	82,800
				CT Local Technical Assistance Program (LTAP)
Electrical and Computer Engineering			10 Proposals	\$4,822,690
Yan, Bing	Ministry of Science and Technology of the People's Republic of China/National Cheng Kung University	Novel Formulation and Optimization of Semiconductor Packaging Scheduling Problems	03/29/2019	148,009
Cao, Yang	DOD/Navy/Office of Naval Research	Accelerated Co-Designs of High-K Polymer Dielectrics	01/24/2019	465,000
Khan, Omer	NSF/National Science Foundation	SaTC: CORE Small: A Secure Processor that Exploits Multicore Parallelism while Protecting Against Microarchitecture State Attacks	03/13/2019	500,000
Bragin, Mikhail A	Midcontinent Independent System Operator (MISO)	Unit Commitment with Parallel SAVLR and Formulation Tightening	03/25/2019	49,994
Cao, Yang	DOD/Navy/Office of Naval Research	Large scale quality assurance and longevity testing of high torque density motor insulation	01/18/2019	599,999
Chandy, John A	NSF/National Science Foundation	IUSE/PFE:RED Innovation: EXCEED – Excellence through Continuous Electrical Engineering Discovery	01/24/2019	1,911,195
Cao, Yang	DOE/Office of Energy Efficiency and Renewable Energy/LC Drives	Light Weight Liquid Cooled Wind Turbine Generator	01/31/2019	168,000
Bar-Shalom, Yaakov M	Denso International America	Tracking and Data Fusion for Autonomous Vehicles	03/06/2019	693,828
Zhang, Peng	NSF/ENG/Directorate for Engineering	Empowering Smart and Connected Communities through Programmable Community Microgrids	03/15/2019	266,666
Yan, Bing	ABB	Efficient Network Constrained Unit Commitment Phase 2: Convergence and Parallel Implementation of SAVLR and B&C	03/27/2019	19,999
Engineering Dean			2 Proposals	\$440,000
Bozorgmanesh, Hadi	DHHS/NIH/National Institutes of Health/Yale University	Evidence-Based Biomedical Accelerator (EBBA)	03/12/2019	120,000
Bozorgmanesh, Hadi	Connecticut Innovations	Connecticut Innovation and University Bioscience Grant	01/11/2019	320,000
Materials Science and Engineering			8 Proposals	\$3,561,000
Gao, Puxian	NASA/National Aeronautics and Space Administration/Advanced Manufacturing	Stannate Nanostructured Films for Space Deep UV Photodetection	03/28/2019	40,000
Gao, Puxian	DOE/Department of Energy	Large Scale Nanostructured Sensor Arrays for Structural Health Monitoring in Advanced Energy Generation Systems	02/28/2019	2,000,000
Gao, Puxian	NSF/National Science Foundation	Multifunctional Nanoarray Adsorbents for Low Temperature Emission Control	01/17/2019	550,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Hebert, Rainer J	United Technologies-Pratt & Whitney	Experimental Studies of Laser-Powder Interactions for Additive Manufacturing	01/16/2019	30,000
Singh, Prabhakar	DOE/Department of Energy/Giner	Evaluation of Electrolyte Matrix Stability and Corrosion Resistance of Metallic components in Molten Alkaline Water Electrolysis System	03/19/2019	96,000
Lee, Seok Woo	Moore (Gordon and Betty) Foundation	Mechanically-Switchable High Temperature Superconductors	03/04/2019	675,000
Gao, Puxian	DOE/Department of Energy/3D Array Technology	3D Nano-array Honeycomb Monoliths for Low-Temperature Oxidative Coupling of Methane	02/22/2019	50,000
Gao, Puxian	DOE/Department of Energy/University of Illinois at Chicago	Dual-Mode High-Q RF Sensors for Non-Conductive Features Imaging	02/08/2019	120,000
Mechanical Engineering			18 Proposals	\$4,916,391
Zhang, Dianyun	United Technologies-Pratt & Whitney	Process Modeling for OMC	01/15/2019	70,000
Tasoglu, Savas	DHHS/NIH/National Institutes of Health/QRfertile	Home-Based Platform Technology for Male Reproductive Health Screening using Multiplexed Colorimetric Assays and Cloud-Based Machine Learning via a Smartphone	01/07/2019	23,556
Cetegen, Baki	United Technologies-Pratt & Whitney	Experimental work in Combustor Durability	01/10/2019	65,004
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable intracranial pressure sensor based solely on medical biomaterials	02/04/2019	1,385,889
Pasaogullari, Ugur	DOE/Department of Energy/Skyre	Phase IIB - Hydrogen Contamination Detector	01/24/2019	359,512
Cooper, Ryan C	DOC/National Institute of Standards and Technology (NIST)	High School Quantum Card Game to Reflect the Redefinition of the SI Units	01/28/2019	199,985
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	02/07/2019	443,529
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Real-Time Measurement of Joint-Loading for Osteoarthritis Study and Treatment	02/12/2019	444,327
Tang, Jiong	DOE/Department of Energy	Non-Contact Interrogation of Cladding Properties Using Tunable Magneto-Mechanical Impedance	02/12/2019	680,000
Pasaogullari, Ugur	DOE/Department of Energy/Skyre	Rapid Hydrogen Cleanup System	02/14/2019	37,278
Nguyen, Thanh D	Moore (Gordon and Betty) Foundation	Biodegradable Nanopiezoelectrics for Biodegradable Medical Devices	03/04/2019	675,000
Fan, Tai-Hsi	NSF/National Science Foundation	Ideas Labs Preliminary Proposal: Bridging Physical and Data Sciences in Additive Manufacturing	03/04/2019	
Nguyen, Thanh D	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut Health Center	The Molecular Mechanism of the Surface charge of Piezoelectric materials for bone regenerative engineering	03/08/2019	138,856
Fan, Tai-Hsi	American Chemical Society	Theoretical Analysis on Bridging the Molten Pool Dynamics, Solidification, and Microporosity Evolution in Additive and Non-additive Laser Welding Process	03/12/2019	110,000
Tarakanova, Anna	Fondazione Cariplo/Polytechnic University of Milan	Molecular basis of osteoporosis and age related bone diseases	03/15/2019	0
Li, Ying	NSF/CISE/Directorate for Computer and Information Science and Engineering	CRII: OAC: A Hybrid Finite Element and Molecular Dynamics Simulation Approach for Modeling Nanoparticle Transport in Human Vasculature	02/12/2019	9,660
Nguyen, Thanh D	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Bionic Self-Stimulated Cartilage	01/08/2019	176,631
Lykotrafitis, George	NSF/ENG/Directorate for Engineering	CAREER: Agent-Based Modeling of Action Potential Initiation and Propagation in Unmyelinated Neurons	03/06/2019	97,164
School of Fine Arts			2 Proposals	\$599,778
School of Fine Arts			2 Proposals	\$599,778
Scheinfeldt, Joseph T	Mellon (Andrew W.) Foundation	Greenhouse Studios: Building a Digital Scholarship Center to University Press Pipeline	03/27/2019	500,000

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Scheinfeldt, Joseph T	NEH/National Endowment for the Humanities	Tube: An Application for the Retrieval and Delivery of Remote Archival Documents	01/15/2019	99,778
School of Law			1 Proposals	\$2,550
School of Law			1 Proposals	\$2,550
Rubin, Jessica	University of California, Los Angeles	An Evaluation of the Impact of Desmond's Law - Do Court Advocates Impact the Prosecution and Outcomes of Animal Cruelty Cases?	03/14/2019	2,550
School of Nursing			5 Proposals	\$7,679,399
School of Nursing			5 Proposals	\$7,679,399
Starkweather, Angela	Virginia Commonwealth University	Mindful Self-Management of Back Pain in Pregnancy to Prevent Chronic Pain	01/18/2019	838,755
Young, Erin	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Targeting Avpr1a and Ahrb2 for precision pain management in irritable bowel syndrome	02/11/2019	2,006,220
Alexander, Ivy M	Eastern Nursing Research Society	The Lived Experience of Severe Maternal Morbidity among Black Women	01/31/2019	5,000
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Receptor-Mediated Effects of TIMP-1 in the Regulation of Afferent Function	02/05/2019	2,029,424
Alexander, Ivy M	DHHS/HRSA/Bureau of Health Workforce	PCNP CUPS Primary Care Nurse Practitioners Caring for Underserved Populations -- An Innovative Clinical-Academic Partnership to Enhance NP Preparation for Practice	01/08/2019	2,800,000
School of Pharmacy			22 Proposals	\$13,778,924
Pharmaceutical Sciences			21 Proposals	\$13,671,465
Bahal, Raman	American Heart Association/University of Iowa	Targeting Vascular miR-204 to Improve Dysbiosis Associated Worsening in Stroke Outcome	01/09/2019	20,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Small Molecule Agents for Rheumatoid Arthritis	01/04/2019	120,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	New Agents for the Treatment of Mycobacterium Avium Infections	01/02/2019	100,000
Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Assessing the Role of Conformational Flexibility in the Anti-Inflammatory Protein TNIP1	01/16/2019	10,000
Lu, Xiuling	American Foundation for Pharmaceutical Education	Nanoparticle-Mediated Inhibition of Acute Leukemic Stem Cells	01/16/2019	10,000
Bahal, Raman	DHHS/NIH/National Heart, Lung, and Blood Institute	Developing next generation synthetic nucleic acid analogous for sickle cell disease gene editing	03/05/2019	2,000,300
Bahal, Raman	St. Baldrick's Foundation	Next generation targeting of tumor microenvironment for cancer therapy	03/27/2019	100,000
Bahal, Raman	DOD/Department of Defense/Yale University	Cell specific microRNA silencing, a novel therapeutic approach for pulmonary fibrosis	03/25/2019	20,000
Hadden, Matthew K	DHHS/NIH/National Institutes of Health/University of Massachusetts Medical School	Targeting replication stress avoidance in cancer	03/25/2019	519,549
Kendall, Debra A	DHHS/NIH/National Institute on Drug Abuse	Discovering the molecular, cellular and physiological profiles of novel CB2 selective agents	03/05/2019	1,905,864
Bahal, Raman	DHHS/NIH/National Institute of Neurological Disorders and Stroke	Site specific gene editing of IDUA mutations as a novel Mucopolysaccharidosis gene therapy	03/04/2019	2,011,215
Wiemer, Andrew	DHHS/NIH/National Institutes of Health	Regulation of gamma delta T cell immunoeediting by novel phosphoantigens	02/28/2019	2,270,076
Bahal, Raman	DHHS/NIH/National Cancer Institute	Targeted delivery of short antimiRs for lymphoma therapy	02/20/2019	442,750
Chaudhuri, Bodhisattwa	Takeda Pharmaceuticals	Modeling of Peristaltic Pumping of Non-Newtonian Pharmaceutical Fluids	02/11/2019	174,253
Bahal, Raman	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Next generation gamma Peptide Nucleic Acids (γPNAs) for the treatment of ischemic stroke	02/07/2019	177,100

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bahal, Raman	DHHS/NIH/National Institute of General Medical Sciences/University of Idaho	Development of Sequence-unrestricted In Vivo Gene Factors based on Invader Probes	02/07/2019	221,375
Bahal, Raman	Cooley's Anemia Foundation	Next Generation Site Specific Genome Editing of Hematopoietic Stem Cells for Beta Thalassemia Gene Therapy	02/04/2019	32,500
Bahal, Raman	DHHS/NIH/National Institutes of Health	Next generation targeting multiple oncomiRs for cancer therapy	02/05/2019	2,012,500
Zhong, Xiaobo	DHHS/NIH/National Institutes of Health	Posttranscriptional regulation of drug-metabolizing P450 enzymes by RNA methylation	02/12/2019	442,750
Bahal, Raman	DHHS/NIH/National Institutes of Health/Yale University	Triplex induced gene editing for Gaucher diseases	01/17/2019	1,006,250
Aneskievich, Brian J	National Psoriasis Foundation	Deciphering the Role of TNIP1 Protein Conformational Flexibility in Suppressing Psoriasis-Associated Inflammatory Signaling	01/16/2019	74,983
Pharmacy Practice			1 Proposals	\$107,459
Coleman, Craig	NSF/National Science Foundation	Collaborative Research: Topological Modelling of Personalized Outcome Prediction	01/16/2019	107,459
School of Social Work			6 Proposals	\$4,817,450
School of Social Work			6 Proposals	\$4,817,450
Elsaesser, Caitlin	Johnson (Robert Wood) Foundation	Harnessing the Power of Digital Storytelling for 21st Century Community Health	03/13/2019	350,000
Fendrich, Michael	DHHS/NIH/National Institutes of Health	Mindful Yoga to Improve MAT Adherence	02/08/2019	4,096,506
Okpych, Nathanael J	Spencer Foundation	The Social Network Connections Study of College Students with Foster Care Histories	01/28/2019	50,000
Okpych, Nathanael J	Grant (William T.) Foundation	The Social Network Connections Study of College Students with Foster Care Histories (Connections Study)	01/09/2019	49,999
Rodis, Eleni T	National Association of State Mental Health Program Directors (NASMHPD)/CT Department of Mental Health and Addiction Services	Connecticut Transformation Transfer Initiative (CT TTI)	03/14/2019	75,000
Lin, Hsiu-Ju	DHHS/NIH/National Institutes of Health/Yale University	Transitions Clinic Network: Post Incarceration Addiction Treatment, Healthcare and Social Support (TCN PATHS) Study	02/14/2019	195,945
Academic and Service Programs			9 Proposals	\$8,978,995
Global Affairs			3 Proposals	\$5,694,751
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY 2019 Study of the U.S. Institutes for Student Leaders	01/07/2019	4,344,754
Sirota, Sandra L	Spencer Foundation	Examining Human Rights and Social Justice Education for Teachers as Preparation to Address Discrimination in Schools	02/01/2019	50,000
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY2018 Young Southeast Asian Leaders Initiative (YSEALI) Academic Fellowship (FY19- Continuation Year 1)	03/15/2019	1,299,997
Health Services			1 Proposals	\$20,000
Casiero, Deena C	American College of Sports Medicine	Relative Energy Deficiency and Bone Mineral Density Changes Across Multiple Sport Seasons in Elite Athletes	02/07/2019	20,000
Provost & Exec VP Academic Affairs			2 Proposals	\$3,035,894
Saunders-Kanabay, LuAnn I	ED/Department of Education	Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship Program	03/25/2019	59,924
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health	The Role of Retroelements in Centromere Function	03/05/2019	2,975,970
Student Activities			1 Proposals	\$0
Wilson, Christine M	Jumpstart	Jumpstart Program	03/20/2019	0
Unassigned Department			2 Proposals	\$228,350

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS	01/22/2019	58,350
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS Gradient Rig	01/22/2019	170,000
Vice President for Research			10 Proposals	\$1,874,385
Center for Environmental Sciences and Engineering			1 Proposals	\$13,954
Willig, Michael R	Town of Greenwich, CT	Fate and Transport of Per- and Polyfluorinated Alkyl Substances (PFAS) in Water, Sediment, and Oysters in Greenwich Near-Short Waters of Long Island Sound	02/06/2019	13,954
Institute of Materials Science			6 Proposals	\$1,321,135
Jankovic, Jasna	DOE/Department of Energy/Giner	Novel Fluorinated Ionomer for PEM Fuel Cells	01/21/2019	100,000
Jankovic, Jasna	NSF/National Science Foundation/Colorado School of Mines	Towards Commercialization of Electrolyzers & Fuel Cells: Technology Development for Large Scale Electrode Coating Processes	01/15/2019	204,000
Ortalan, Volkan	NSF/National Science Foundation	Major Research Instrumentation Program: Acquisition of a Direct Detection Camera	01/22/2019	520,435
Ortalan, Volkan	NSF/National Science Foundation	DMREF: Collaborative Research: Accelerated Descriptor-Based Searches of Catalytic Reactivity at Metal/Oxide Interfaces	02/04/2019	420,000
Frame, Lesley	NASA/National Aeronautics and Space Administration/Connecticut Analytical Corporation	Improved Heat Transfer Based on Ionic Liquid Graphene Compositions	03/28/2019	35,000
Zhu, Yuanyuan	DOE/Pacific Northwest National Laboratory	Additional Work Scope on Characterization He Effects in ISHI Ferritic Alloys	03/15/2019	41,700
Sea Grant College Program			3 Proposals	\$539,296
Ebbin, Syma A	DOC/NOAA/National Marine Fisheries Service/Project Oceanology	Rising Waters: The Thames River Resilience Project	02/19/2019	15,609
Deguisse, Sylvain	DOC/NOAA/Oceanic and Atmospheric Research	Improving Management Strategy Evaluation by Parameterizing the Probability of Achieving Recreational Harvest Targets	01/30/2019	80,000
Deguisse, Sylvain	DOC/NOAA/National Ocean Service/Florida Institute of Technology	A quantitative assessment of the effects of HAB toxins on Florida marine sentinel species	02/27/2019	443,687
University of Connecticut - Storrs & Regional			393 Proposals	\$227,654,249
School of Dental Medicine			20 Proposals	\$25,387,879
Dental Medicine Dean			8 Proposals	\$8,109,480
Liu, Changchun	DHHS/NIH/National Institutes of Health/Harvard University	Using human skin grafted mice to identify biomarkers of exposure and study effects of radiation on skin	01/28/2019	435,182
Schmidt, Tannin A	DHHS/NIH/National Institutes of Health	Immunomodulatory properties of Proteoglycan 4 (PRG4) at the ocular surface	02/04/2019	2,569,689
Liu, Changchun	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	A Reaction-Diffusion-Based Approach for Nucleic Acid Quantification	01/18/2019	235,691
Liu, Changchun	DHHS/NIH/Fogarty International Center	Smart Cup: A Mobile Molecular Detection Device for Rapid Diagnosis of Hand Foot and Mouth Disease in China	01/17/2019	201,250
Liu, Changchun	USDA/Department of Agriculture/University of Nevada, Las Vegas	Nanostructure-Enhanced Solution-Phase Nanoplasmonic Biosensing Devices for Rapid Detection of Foodborne Pathogens.	01/09/2019	29,827
Kuhn, Liisa T	Musculoskeletal Transplant Foundation	A New Quality Measure for Bone Allograft	03/01/2019	200,000
Liu, Changchun	DHHS/NIH/National Institutes of Health	Clinical Validation of Smartphone-based HPV-Related Oral Cancer Screening in Saliva	03/11/2019	492,000
Litt, Mark D	DHHS/NIH/National Institutes of Health	Individualized Assessment and Treatment Program for TMD:Coping as a Mechanism	02/28/2019	3,945,841
Oral Health and Diagnostic Sciences			6 Proposals	\$10,536,009

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health/University of Connecticut	Engineered, High-throughput, Artificial "Mycologist" for Rapid and Reliable identification of Candida Species and Determination of Its Susceptibility Profiles	01/28/2019	984,000
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health	Candida-bacterial interplay in mucosal health and disease	02/05/2019	3,232,947
Nichols, Frank C	DHHS/NIH/National Institutes of Health/Nova Southeastern University	Porphyromonas gingivalis ceramide-mediated pathology in periodontitis	02/15/2019	41,000
Diaz, Patricia I	DHHS/NIH/National Institutes of Health	Mechanism of cell death and inflammation i chemotherapy-induced oral mucositis	03/05/2019	2,648,524
Chen, I-Ping	DHHS/NIH/National Institutes of Health	Disease activation mechanisms for cherubism	03/18/2019	451,000
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health	Oral Epithelial Cells, Candida and PMN Activation	03/05/2019	3,178,538
Reconstructive Sciences			6 Proposals	\$6,742,390
Doherty, Laura M	American Association for Dental Research	Novel Adult Stem Cells within Murine Molars	01/18/2019	2,700
Uribe, Flavio A	Align Technology	"Accuracy and Reliability of In-vivo Full Arch Scans Made by the iTero Intraoral Scanner."	01/23/2019	50,000
Kalajzic, Ivo	DHHS/NIH/National Institutes of Health	NPY, bone and bone repair	03/04/2019	1,640,000
Yadav, Sumit	DHHS/NIH/National Institutes of Health	The Role of Cellular Sencence in Degenerative Disorders of TMJ	03/18/2019	451,000
Rowe, David W	DHHS/NIH/National Institutes of Health	High Resolution 3D Mapping of Cellular Hetergeneity within Mineralized Tissues	03/14/2019	1,208,510
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Modulators of Osteoarthritis of the Temporomandibular and Knee Joints	02/04/2019	3,390,180
School of Medicine			130 Proposals	\$166,265,443
Academic Affairs and Education			2 Proposals	\$50,828
Thatcher, Christine	Virginia Commonwealth University	Wellness and Academic Excellence through Coaching	02/22/2019	5,828
Henderson, David D	American Medical Association Foundation	AMA Accelerating Change in Medical Education Consortium	02/21/2019	45,000
Calhoun Cardiology Center - CCC			2 Proposals	\$3,203,483
Yue, Lixia	American Heart Association	The Oxidative Stress Activated TRPM2 is a Master Regulator of Ischemic Stroke	01/23/2019	300,000
Alessi, Sheila M	DHHS/NIH/National Institutes of Health	Smoking Cessation Treatment Adherence to Improve Long-Term Outcomes Among Smokers	01/08/2019	2,903,483
Cell Analysis Modeling - CCAM			6 Proposals	\$5,191,651
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	Enabling Analysis of Parameter and Model Uncertainty in Systems Biology.	03/05/2019	1,526,176
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Nerve-Sparing Robot-Assisted Radical Prostatectomy Using Neuromodulation-Based Nerve Localization Preventing Post-Operative Erectile Dysfunction	03/14/2019	73,090
Loew, Leslie M	DHHS/NIH/National Institute of General Medical Sciences	Mesoscale Spatial Kinetic Modeling of Cell Systems	03/01/2019	1,640,000
Blinov, Mikhail	NSF/National Science Foundation	NSF Student Travel Grant for 2019 Computational Modeling in Biology Network (COMBINE) Forum	03/08/2019	10,000
Moraru, Ion I	NSF/National Science Foundation/University of Connecticut	CC*Integration:Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	02/19/2019	302,385
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	Reusable Building Blocks (Model Bricks) for Construction and Automated Annotation of Computational Models in Biological Systems.	01/30/2019	1,640,000
Cell Biology			7 Proposals	\$4,638,748
Peluso, John J	DHHS/NIH/National Institutes of Health	Luteal PGRMC1 and PGRMC2 regulate the adult population of primordial follicles in part through a NFB/p65-dependent mechanism	01/29/2019	1,658,392

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Ridwan, Sharif M	Childs (Jane Coffin) Memorial Fund for Medical Research	Iodine Nanoparticle-Enhanced Radiation Therapy of Brain Tumors	02/01/2019	168,900
Ridwan, Sharif M	Damon Runyon Cancer Research Foundation	Iodine Nano-particle-Enhanced Radiation Therapy of Brain Tumor	03/15/2019	231,000
Egbert, Jeremy R	ImpactAssets	Regulation of Oocyte Meiosis by Calcium Signaling in Mouse Ovarian Follicles	01/14/2019	140,956
Egbert, Jeremy R	DHHS/NIH/National Institutes of Health	Gonadotropin-induced calcium signaling in ovarian follicles	03/18/2019	164,000
Mehlmann, Lisa M	DHHS/NIH/National Institute of Child Health and Human Development	Cytoplasmic Maturation in Mouse Oocytes	03/04/2019	2,050,000
Smilowitz, Henry	DHHS/NIH/National Cancer Institute/Nanoprobes	Iodine Nanoparticles to Enhance Radiation and Temozolomide Glioma Therapy	03/15/2019	225,500
Center for Quantitative Medicine			5 Proposals	\$7,139,993
Vera-Licona, Martha Paola	DOD/Department of Defense	A Systems Biology Approach to Identify Drivers of Tumor Reversibility in Claudin-Low Triple Negative Breast Cancer	03/28/2019	737,975
Dionne, Raymond A	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, San Antonio	Preventing Opioid Misuse and the Development of Opioid Use Disorders in Patients Seeking Emergency Dental Treatment	02/28/2019	1,427,991
Vera-Licona, Martha Paola	DHHS/NIH/National Institutes of Health	Quantitative Identification of Optimal Combinations of Drivers and Targets to Reverse Chemotherapy Resistance	03/05/2019	510,750
Laubenbacher, Reinhard C	Health Research	WHSC1 Inhibits the Response to Checkpoint Blockade Therapy in Prostate Cancer	03/28/2019	14,709
Dionne, Raymond A	DHHS/NIH/National Institutes of Health	Clinical Effectiveness of an Opioid-Sparing Analgesic Regimen to Minimize Opioid Misuse in Adolescents and Young Girls	02/11/2019	4,448,568
Center for Vascular Biology			8 Proposals	\$14,957,611
Claffey, Kevin P	DOD/Department of Defense	Metabolic Interventions to Improve Immunotherapy in Metastatic Breast Cancer	03/28/2019	677,589
Shapiro, Linda H	DHHS/NIH/National Heart, Lung, and Blood Institute	CD13-Dependent Mechanisms in Cell Communication	03/14/2019	6,824,118
Murphy, Patrick A	American Heart Association	Functional Assessment of Post-Transcriptional Modulation of Endothelial Inflammation by RNA binding Proteins.	01/17/2019	200,000
Murphy, Patrick A	DHHS/NIH/National Institutes of Health	RNA-Binding Proteins in the Regulation of Vascular Inflammation and Immunity	02/05/2019	2,765,572
Claffey, Kevin P	DHHS/NIH/National Cancer Institute	Effective Metabolic Targeting and Co-Stimulation Immunotherapy for Metastatic Breast Cancer	02/19/2019	451,000
Shapiro, Linda H	DHHS/NIH/National Institutes of Health	CD13 in Inherent Mechanisms of Endothelial Cell Communication via Tunneling Nanotubes and Membrane Protrusions	02/19/2019	451,000
Shapiro, Linda H	DHHS/NIH/National Institute of Neurological Disorders and Stroke/University of Texas	Role of CD 13 in Ischemic Stroke	02/05/2019	44,817
Rodriguez-Oquendo, Annabelle	DHHS/NIH/National Institutes of Health	LAG3 Immune Checkpoint Deficiency and Cardiovascular Disease Risk	02/05/2019	3,543,515
Clinical And Translational Science Institute (CTSI)			6 Proposals	\$1,367,567
Lo, Wai Hong	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases	The molecular mechanism of the surface charge of piezoelectric materials for bone regenerative engineering	03/08/2019	464,412
Kuo, Chia-ling	DHHS/NIH/National Institutes of Health	Identifying potentially modifiable exposures to improve telomere health and disease outcomes	02/15/2019	411,970
Lo, Wai Hong	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut	Real-Time Measurement of Joint-Loading for Osteoarthritis Study and Treatment	02/08/2019	86,208
Laurencin, Cato	DHHS/NIH/National Institutes of Health/University of Connecticut	UConn Postbaccalureate Research Education Program (PREP)	01/24/2019	0
Laurencin, Cato	Johnson (Robert Wood) Foundation	Roundtable on Black Men and Black Women in Medicine Engineering and Science	01/02/2019	250,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Laurencin, Cato	DHHS/NIH/National Institutes of Health/Carnegie Mellon University	3D printing functional graphenic materials (FGMs) as intrinsically inductive scaffolds for bone regeneration	02/11/2019	154,977
Community Medicine and Health Care			3 Proposals	\$595,177
Bruder, Mary E	DHHS/CDC/Centers for Disease Control and Prevention/Association of University Centers on Disability (AUCD)	Act Early Ambassadors: State or Territorial Liaisons to CDC's "Learn the Signs, Act Early" Program	01/18/2019	8,000
Lewis, Judy M	Gold (Arnold P.) Foundation for Humanism in Medicine	Understanding the cultural context of Ngäbe beliefs about reproductive health	03/08/2019	4,000
Ha, Toan H	DHHS/NIH/National Cancer Institute	A pilot study of a text messaging-enhanced HIV intervention among young women workers in the industrial zone, Vietnam	03/07/2019	583,177
Dermatology			3 Proposals	\$104,500
Lu, Jun	AbbVie	2019 AbbVie Clinical Trials in Dermatology Fellowship Support	01/17/2019	50,000
Lu, Jun	Janssen Biotech	2019 Janssen Clinical Trials in Dermatology Fellowship Support	01/17/2019	50,000
Whitaker-Worth, Diane L	American Academy of Dermatology	2019 AAD Residents Travel and Housing Assistance Program	01/24/2019	4,500
Diagnostic Imaging and Therapeutics			1 Proposals	\$123,749
Yang, Clifford K	DOD/Department of Defense/University of Connecticut	Knowledge Powered Deep Learning for Precise Mammographic Breast Cancer Detection	03/22/2019	123,749
Family Medicine			1 Proposals	\$234,422
Agresta, Thomas P	DHHS/NIH/National Institutes of Health/University of Connecticut	Efficient Techniques for Healthcare Data Integration and Privacy	02/28/2019	234,422
Genetics and Genomics			5 Proposals	\$6,226,330
Pinter, Stefan F	DHHS/NIH/National Institutes of Health	Combinatorial Gene Dosage Correction in Down Syndrome hiPSC's and the Ts65Dn model	03/14/2019	2,499,041
Beck, Christine R	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Comprehensive Reference Genomes	03/26/2019	116,680
Cotney, Justin L	DHHS/NIH/National Institute on Deafness and Other Communication Disorders	Integrated multi-omics analyses of early mammalian craniofacial development	03/11/2019	328,000
Cotney, Justin L	Shriners Hospital for Children - Boston	Molecular Pathogenesis of Complex Frontonasal Facial Clefts	02/28/2019	45,000
Mayer, Bruce J	DHHS/NIH/National Institutes of Health	Integrating Computational Modeling and tyrosine phosphoproteomics	02/05/2019	3,237,609
Health Career Opportunity Programs			1 Proposals	\$2,867,349
Hurley, Marja	DHHS/NIH/National Institutes of Health	Anabolic Factors for Bone Repair in Mice	01/30/2019	2,867,349
Health Disparities Institute			2 Proposals	\$719,376
Powell, Wisdom A	Connecticut Health and Educational Facilities Authority (CHEFA)	CT Policy Map Initiative: Building Community Capacity to Map from Evidence to Action	03/01/2019	75,000
Coman, Emil N	DHHS/NIH/National Institute on Drug Abuse	Empowering community-invested researchers with practical statistical skills to increase the evidential power of substance used data	01/24/2019	644,376
Immunology			10 Proposals	\$10,388,274
Vella, Anthony T	DOD/Department of Defense	Metabolic Interventions to Improve Immunotherapy in Metastatic Breast Cancer	03/27/2019	552,411
Vella, Anthony T	DHHS/NIH/National Institute of Allergy and Infectious Diseases	A Mechanisim of T-Cell Induced Acute Lung Injury	02/28/2019	2,314,141
Brocke, Stefan	National Multiple Sclerosis Society/University of Kansas	Non-Invasive Brain Delivery of BDNF for Remyelination in Animal Models of MS	02/07/2019	75,000
Zhou, Beiyan	DHHS/NIH/National Institutes of Health/Texas A&M Research Foundation	Mechanistic Links Between MicroRNA-150 and Pathogenesis of Diabetic Retinopathy	02/05/2019	295,722

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Wang, Kepeng	DHHS/NIH/National Institutes of Health	IL-17 Direct Signaling on Treg Cells in Inflammatory Bowel Diseases	02/05/2019	2,050,000
Wang, Penghua	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Early Life Dynamics of Intestinal Microbiome Shape Intestinal Cell-Intrinsic Innate Anti-Viral Immunity	02/11/2019	451,000
Adler, Adam J	DHHS/NIH/National Institutes of Health	The Basis of Antigen-Nonlinked CD4 T Cell Help	02/05/2019	2,050,000
Karuppannan Rathinam, Vijay	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Host-Derived Extracellular Vesicles in Inflammatory Caspase Activation	02/05/2019	2,050,000
Zhou, Beiyan	American Heart Association	Regulation of CVD risk in Obesity: The role of ATB miR-150 in adipose tissue inflammation	01/22/2019	300,000
Brocke, Stefan	DHHS/NIH/National Institutes of Health/University of Kansas	Design of Peptide-Protein Conjugates for EAE	01/18/2019	250,000
Medicine			14 Proposals	\$7,146,568
Metersky, Mark L	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, Houston	Lung Stem Cell Heterogeneity in Advanced Cystic Fibrosis	01/11/2019	196,800
Torti, Frank M	DOD/Department of Defense	Sideroflexin 4 in Breast Cancer	03/28/2019	738,000
Metersky, Mark L	DHHS/FDA/Food and Drug Administration/Oregon Health and Science University	Development and Testing/Psychometric Evaluation of a Patient-reported Outcomes Measure for Non-CF Bronchiectasis	03/18/2019	129,731
Dugan, Alicia G	DHHS/CDC/National Institute for Occupational Safety and Health	Surviving at Work: Reducing Workplace and Clinical Barriers to Cancer Survivors Returning to Work	03/12/2019	324,000
Dieckhaus, Kevin D	Jackson Laboratory	Staphylococcus Epidermidis Strain Biodiversity and Transmission in Skin-Catheter Infections	03/07/2019	44,156
Wang, Yanlin	VA/Connecticut Healthcare System	New Proposal Created for Malgorzata A Machaj on 04-Mar-2019 11:01:32 AM	03/07/2019	74,147
Kim, In Soo	/NSF/National Science Foundation	Collaborative Research: FW-HTF-RM: An intelligent relational tracking system for augmenting social skills during face-to-face collaborative decision making and creative problem solving.	03/06/2019	319,464
Torti, Frank M	DHHS/NIH/National Cancer Institute	Targeting Sideroflexin 4, a mitochondrial inner membrane protein involved in iron sulfur cluster biogenesis, to enhance the efficacy of DNA..	03/05/2019	2,050,000
Xiao, Liping	DHHS/NIH/National Institutes of Health	Gut Microbiota Regulate Bone Loss in Sickle Cell Disease Mice	03/04/2019	2,088,516
Mead, Erin L	DHHS/NIH/National Institutes of Health	Effects of Reduced Nicotine Content Cigarettes on Tobacco Use Behaviors and Toxicants Exposure Among Poly-Tobacco Users.	02/08/2019	451,000
Lorenzo, Joseph	DHHS/NIH/National Institutes of Health	Parmodulins as an Anti-Resorptive and Anti-Inflammatory Therapy for Metabolic Bone Disease	02/19/2019	451,000
Garza, Jennifer L	DHHS/CDC/National Institute for Occupational Safety and Health/Harvard School of Public Health	Evaluating the feasibility of using a Fitbit to assess work activity exposure	02/22/2019	8,089
Zhou, Yanjiao	DHHS/NIH/National Institutes of Health/Brigham and Women's Hospital	Milk Microbiome Project	02/08/2019	66,397
Kim, In Soo	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Intracranial Pressure Sensor Based Solely on Medical Biomaterials	01/31/2019	205,268
Molecular Biology & Biophysics			4 Proposals	\$39,379,925
Hoch, Jeffrey C	NSF/National Science Foundation	Mid-scale RI-2 Consortium: Network for Advanced NMR	03/11/2019	28,842,952
Setlow, Peter	UltraViolet Devices (UVDI)	Mechanisms of Bacterial and Bacterial Spore Killing by and Resistance to 222 nm UV Radiation	01/14/2019	49,997
Hoch, Jeffrey C	DHHS/NIH/National Institute of General Medical Sciences	Center for Biomolecular NMR Data Processing and Analysis	01/25/2019	6,955,820
Hao, Bing	DHHS/NIH/National Institutes of Health	Substrate Targeting Mechanism of a DesCEND Pathway	02/05/2019	3,531,156
NEAG Cancer Center (SOM)			8 Proposals	\$6,221,596

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Das, Asis	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, Houston	Mechanism and regulation of Polymicrobial Interactions governed by fusobacterium	03/15/2019	134,017
Andemariam, Biree	DHHS/HRSA/Health Resources and Services Administration/Mount Sinai School of Medicine	Regional Hemophilia Network	03/29/2019	20,672
Heinen, Christopher D	Burroughs Wellcome Fund	The UConn Health Writing Program for Biomedical Science Trainees	03/07/2019	30,571
Nakanishi, Masako	DHHS/NIH/National Cancer Institute	Tumor-specific activation of gene expression by SCD3 locus	02/19/2019	451,000
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	The selective advantages of mismatch repair loss in colonic stem cells.	02/05/2019	2,920,336
Heinen, Christopher D	DHHS/NIH/National Cancer Institute	Saturation Genome Editing Approach to Functionality Test All Possible MSH2 Variants	02/20/2019	451,000
Hansen, Marc F	DHHS/NIH/National Institutes of Health	Malignant Transformation of a Persistent Stem Cell Population: Neural Crest Stem Cells and Craniofacial Osteosarcoma.	02/26/2019	164,000
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	Stem Cell Models to Test Mismatch Repair Gene Variants of Uncertain Significance	02/05/2019	2,050,000
Neuroscience			10 Proposals	\$11,431,525
Verma, Rajkumar	DHHS/NIH/National Institutes of Health	P2x4-Annexin A1 axis in phagocytic clearance after ischemic stroke	02/19/2019	451,000
Bae, Byoung-II	New York Stem Cell Foundation	Centrosomal Regulation of Neurogenesis in Microcephaly and Autism	02/22/2019	1,500,000
Verma, Rajkumar	DHHS/NIH/National Institutes of Health	Next generation gamma Peptide Nucleic Acids (yPNAs) for treatment of ischemic stroke	02/19/2019	463,700
Liu, Ping	DHHS/NIH/National Institutes of Health	A novel regulator of KCNQ potassium channel	02/14/2019	472,935
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Receptor mediated effects of TIMP-1 in the regulations of afferent function.	01/30/2019	925,069
Mohan, Royce	DHHS/NIH/National Institutes of Health	Defining Corneal Schwann Cells in Injury	02/19/2019	451,000
Bae, Byoung-II	New York Stem Cell Foundation	Centrosomal Regulation of Neurogenesis in Microcephaly and Autism	02/22/2019	1,500,000
Guzzo, Rosaria	DHHS/NIH/National Institutes of Health	Epigenic Control of Chondrogenic Differentiation and Skeletal Growth by DotLH3K79 methyl	03/05/2019	2,050,000
Levine, Eric S	DHHS/NIH/National Institutes of Health	Regulation of Synaptic Plasticity by BDNF-Endocannabinoid Interaction	03/19/2019	3,547,821
Bae, Byoung-II	Brain and Behavior Research Foundation	Neurogenesis in Autism Spectrum Disorder	03/19/2019	70,000
Obstetrics and Gynecology			1 Proposals	\$55,416
Scott, Dana M	DHHS/NIH/National Institute of Nursing Research/University of Connecticut	Promoting Self-Management of Breast and Nipple Pain with Biomarkers and Technology (PROMPT) in Breastfeeding Women	01/28/2019	55,416
Orthopaedic Surgery			6 Proposals	\$5,753,146
Canalis, Ernesto	DHHS/NIH/National Institutes of Health	Targeting the Notch3 mutation to cure Lehman Syndrome	03/26/2019	1,225,446
Canalis, Ernesto	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Mechanisms of Notch Action in Bone	02/27/2019	2,050,000
Kumbar, Sangamesh G	DHHS/NIH/National Institutes of Health	Polysaccharide Scaffold Formulations	02/04/2019	2,050,000
Mazzocca, Augustus D	Johnson & Johnson	Schmidberg DuPuy Synthesis Tuition Travel Grant: AO Trauma Advanced Principles-Brian Schmidberg Travel Grant: 326476	02/27/2019	3,548
Coyner, Katherine J	Arthrex	Effects of Increasing Meniscal Extrusion on Tibiofemoral Contact Pressures	02/26/2019	8,757
Kumbar, Sangamesh G	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Scaffolds for Osteochondral Tissue Engineering	01/28/2019	415,395
Pediatrics			2 Proposals	\$321,147
Schramm, Craig M	DHHS/NIH/National Institutes of Health/University of Connecticut	Development of Novel Surfactant-DNA Conjugate Nanoparticles for Targeted Therapeutic Regulation of Proinflammatory Genes	02/01/2019	70,325

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Rosenkrantz, Ted S	DHHS/NIH/National Institutes of Health/University of Connecticut	Therapeutic Cooling and Caffeine for Brain Injury of Prematurity	02/01/2019	250,822
Psychiatry			11 Proposals	\$27,928,847
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health	Stepped-Care Approach to Comorbid AOSUD and Depressive Symptoms in Youth	02/05/2019	3,798,063
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health/Massachusetts General Hospital	Enhancing Youth Alcohol Use Disorder Recovery Testing the Efficacy, Mechanisms and Moderators of Integrated Twelve-Step Facilitation (TSF)	01/25/2019	2,195,516
Wang, Lihong	Oak Foundation/University of Connecticut	Assessing the impact of mentoring on students with learning differences	01/28/2019	12,529
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health	Abstinence Vs. Harm Reduction in Youth with Cannabis Use Disorders: Does Matching Matter	02/04/2019	3,694,439
Wang, Lihong	DHHS/NIH/National Institutes of Health	A Neural Study of the Maturation Shift in Emotion Regulation in Healthy Aging and Depression	02/15/2019	451,000
Grasso, Damion J	CT Judicial Branch/Connecticut Children's Medical Center	Research, Evaluation, and Implementation of the DVSI-R	02/11/2019	34,935
Grasso, Damion J	DOJ/Department of Justice/Connecticut Children's Medical Center	A Comprehensive Approach to Early Detection, Referral, and Linkage for Children Exposed to Family Violence	02/18/2019	71,013
Bauer, Lance O	DHHS/NIH/National Institute on Alcohol Abuse and Alcoholism	Alcohol and Stress: Interventions and Mechanisms	02/27/2019	9,422,684
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health/Duke University	Treatment for Teens with Alcohol Abuse and Depression (T-TAAD)	03/04/2019	44,885
Hesselbrock, Victor	DHHS/NIH/National Institutes of Health	UConn Health HPC Facility Data Center	03/04/2019	7,619,599
Briggs-Gowan, Margaret J	DHHS/NIH/National Institutes of Health	UConn Healthy Brain and Child Development (BCD) Program	03/25/2019	584,184
Surgery			4 Proposals	\$291,968
Maulik, Nilanjana	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	01/24/2019	42,604
Kreutzer, Donald L	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Cell and Molecular Tissue Engineering	Extending the Functional Lifespan of Continuous Subcutaneous Insulin Infusion (CSII) in Vivo	03/19/2019	49,999
Kreutzer, Donald L	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Cell and Molecular Tissue Engineering	Development and Validation of Novel Coatings that Extend Glucose Sensor Accuracy and Lifespan in Vivo	03/19/2019	49,999
Choudhary, Dharamainder	DHHS/NIH/National Institutes of Health/University of Connecticut	Single Cell Detection of Oral Cancer Metastasis in Lymph Nodes	01/22/2019	149,366
Traumatology and Emergency Medicine			1 Proposals	\$13,124
London, Shawn R	Emergency Medicine Foundation	Emergency Medicine Education Research Grant	02/28/2019	13,124
UConn Center on Aging			7 Proposals	\$9,913,123
Xu, Ming	AI Therapeutics	Test Senolytic Activity of LAM-002 and LAM-003	02/19/2019	16,313
Kuchel, George A	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Network Topology of Metabolism, Microbiome and Immune System in Association with Clinical Manifestations of Aging-Admin Core	02/01/2019	110,390
Bartley, Jenna	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Bioscience Core-Network Topology of Metabolism, Microbiome and Immune System in Association With Clinical Manifestations of Aging	01/23/2019	207,740
Kuchel, George A	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Immune-Microbiome-Clinical Interactome in Longitudinal Studies of Human Aging- Project 1	01/25/2019	5,697,763
Haynes, Laura	DHHS/NIH/National Institutes of Health	Can Senescent Cells Influence the Immune Response to Influenza Infection?	03/27/2019	451,000
Xu, Ming	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Models of Immune-Microbiome Interactome During Aging in Mice and 3-D Gut Tissue-Project 5	01/23/2019	3,336,727

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bartley, Jenna	American Federation for Aging Research	The Effect of Metformin on Influenza Vaccine Responses and T Cell Function in the Elderly	01/08/2019	93,190
University of Connecticut Health			150 Proposals	\$191,653,322
Grand Total			543 Proposals	\$419,307,571

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Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
College of Agriculture, Health and Natural Resources			34 Proposals	\$9,256,634
Allied Health Sciences			1 Proposals	\$36,449
Silbart, Lawrence K	Torigen Pharmaceuticals	Characterization of Immune Activation Following Vaccination with Autologous Canine Cancer Cavvines	01/22/2019	36,449
Animal Science			1 Proposals	\$1,970,715
Tang, Young	DHHS/NIH/National Institutes of Health	JAK/STAT Regulated Sertoli Cell Homeostasis and Male Fertility	02/05/2019	1,970,715
Extension			6 Proposals	\$237,163
Cutz, German R	Farm Credit East	UConn Extension Urban Agriculture Program	03/19/2019	9,730
Dickson, David	Long Island Community Foundation	Development and Testing of a Green Stormwater Infrastructure Installation and Maintenance Certification Program	03/15/2019	47,754
Fusco-Rollins, Maryann J	National 4-H Council	UConn Growing a CS Pathway	02/01/2019	50,000
Gray, Sharon S	CT Department of Public Health/Connecticut Children's Medical Center	Newborn Screening Program	01/25/2019	7,910
Martin, Jennifer L	USDA/Agricultural Marketing Service/FoodCorps	Increasing Awareness, Access, and Consumption of Connecticut Specialty Crops in High Need Schools	03/29/2019	30,458
Martin, Jennifer L	USDA/National Institute of Food and Agriculture/CT Department of Education	Improving Efficiency and Effectiveness of Farm to School in CT	03/29/2019	91,311
Kinesiology			6 Proposals	\$59,994
Casa, Douglas J	National Strength and Conditioning Association	Mitigating Physical and Performance Decrements through Weekly Heat Exposure for Heat Acclimatization Maintenance	02/15/2019	14,994
Casiero, Deena C	American College of Sports Medicine	Relative Energy Deficiency and Bone Mineral Density Changes Across Multiple Sport Seasons in Elite Athletes	02/07/2019	20,000
Huggins, Robert A	Eastern Athletic Trainers' Association	Effects of Heat Acclimatization Maintenance Protocols on Plasma Volume and Sweat Electrolyte Adaptations	03/01/2019	10,000
Lepley, Lindsey	Eastern Athletic Trainers' Association	The Effect of Fat Infiltration after Anterior Cruciate Ligament Reconstruction on Quadriceps Mechanics and Patient Reported Function	03/01/2019	10,000
Mazerolle, Stephanie M	National Athletic Trainers' Association Research and Education Foundation	Identifying Developmentally Effective Experiences and Self-Authorship Development among Professional Maters Athletic Training Students	02/13/2019	2,500
Mazerolle, Stephanie M	National Athletic Trainers' Association Research and Education Foundation	Secondary School Athletic Trainers: Examining the Development of Leadership	02/14/2019	2,500
Natural Resources and the Environment			6 Proposals	\$2,697,214
Anyah, Richard O	NSF/National Science Foundation	Droughts and Floods over the Horn of Africa and Nile Basin: Role of Large and Local Scale Processes and Climate-Hydrology-Landuse Connections	01/18/2019	695,128
Fahey, Robert T	USDA/National Institute of Food and Agriculture	Training Forest Resources Graduates for an Exurban Forest Future	01/23/2019	246,000
Helton, Ashley M	NSF/National Science Foundation	Collaborative Proposal: MRA: The Inland Water Clarity Project: Integrating Lakes, Rivers, and People at Continental Scales	02/25/2019	238,728
Robbins, Gary A	EPA/Environmental Protection Agency/CT Department of Public Health	MOA Between DPH and UConn for Internships	01/11/2019	35,000
Witharana, Chandni	NSF/National Science Foundation	NNA Track 1: The Permafrost Discovery Gateway: Navigating the New Arctic Tundra through Big Imagery, Artificial Intelligence and Cyberinfrastructure	03/01/2019	609,651
Zhu, Zhe	DOI/United States Geological Survey	Toward Near Real-Time Monitoring and Characterization of Land Surface Change for the Conterminous US	01/08/2019	872,707
Nutritional Sciences			4 Proposals	\$438,205
Chun, Ock K.	DHHS/NIH/National Cancer Institute	Dietary Furocoumarins Potentiate UV Radiation-Induced Oxidative DNA Damage in Skin	02/26/2019	176,490

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Fernandez, Maria-Luz	National Cattlemen's Beef Association	Identification of nutritional components in beef for disease prevention	01/18/2019	12,885
Kohan, Alison	DHHS/NIH/National Institutes of Health	The apoC-III-IL-10-Treg Axis in Gut Inflammation	02/19/2019	241,500
Puglisi, Michael J	USDA/Food and Nutrition Service/CT Department of Social Services	Food Security Project, CT SNAP-Ed Program	03/13/2019	7,330
Pathobiology			6 Proposals	\$3,740,854
Deguisse, Sylvain	DOC/NOAA/National Ocean Service/Florida Institute of Technology	A quantitative assessment of the effects of HAB toxins on Florida marine sentinel species	02/27/2019	443,687
Khan, Mazhar I	USDA/National Institute of Food and Agriculture/Ohio State University	A Novel, Translational, Multidisciplinary Approach to Control Poultry Respiratory Diseases in the United States	01/31/2019	50,049
Levin, Milton J	DOC/NOAA/National Ocean Service/Loggerhead Marinelifelife Center	Biotoxin Prevalence and Impacts on Immune Function and Disease Status in Florida's Sea Turtles	02/27/2019	368,448
Risatti, Guillermo	NSF/National Science Foundation/Battelle	Connecticut Veterinary Medical Diagnostic Laboratory (CVMDL) Testing Pathogens of Ticks Collected by the NEON Project	01/04/2019	856,170
Smyth, Joan	DHHS/NIH/National Institutes of Health/CT Department of Public Health	Necropsy Services for CT Department of Public Health	03/19/2019	10,000
Szczepanek, Steven M	DHHS/NIH/National Institutes of Health	Pathway to an Effective Mycoplasma Pneumoniae Vaccine having Overcome Vaccine-Induced Disease Exacerbation	02/05/2019	2,012,500
Plant Science and Landscape Architecture			4 Proposals	\$76,040
Guillard, Karl	New England Regional Turfgrass Foundation	Comparing Greenhouse Gas Emissions and Soil Microbial Populations from Turfgrass Fertilized with a Slow-Release Synthetic Fertilizer or an Organic Fertilizer	03/20/2019	16,040
Li, Yi	DOE/Oak Ridge National Laboratory/Battelle	Crop improvement for yield increase and stress tolerance	02/27/2019	10,000
Park, Sohyun	DOI/National Park Service/Texas Tech University	Comprehensive Preservation Plan for Palmito Ranch Battlefield	03/06/2019	20,000
Park, Sohyun	National Geographic Society	An Untold Story of Korean DMZ	01/09/2019	30,000
College of Liberal Arts and Sciences			142 Proposals	\$82,720,888
Anthropology			11 Proposals	\$1,189,475
Abadia-Barrero, Cesar	NSF/National Science Foundation	Doctoral Dissertation Research: Building Peace through Health Promotion in Post-Conflict Societies	01/15/2019	18,887
Bolnick, Deborah	NSF/National Science Foundation	Collaborative Research: Migration Waves and Bio-cultural Adaptations Among the Prehistoric Terrestrial and Marine Peoples of Fuego-Patagonia	01/31/2019	232,623
Bolnick, Deborah	NSF/National Science Foundation	Collaborative Research: Standard Grant: The Ethics of Study Indigenous North American Ancient DNA: Moving from Theories to Practices	02/04/2019	47,055
Bolnick, Deborah	NSF/National Science Foundation	Identifying Genomic Signatures of Evolutionary and Cultural Change in Native Americans	03/20/2019	78,437
McBride, Kevin A	DOI/National Park Service/Town of Montague, MA	Proposal 1676 Battle of Great Falls/ Wissantinnewag-Peskeompskut Site Identification and Evaluation Project Phase II	01/11/2019	57,300
Smith, Chrystal A	NSF/National Science Foundation	An Examination of How the Lived Experiences of African American Undergraduates Affect their Persistence in their Engineering Programs	01/15/2019	235,378
Smith, Chrystal A	NSF/National Science Foundation/Florida Polytechnic University	Collaborative Research: FPI Playbook - Increasing Opportunities for Rural Students through Creative Recruitment and Retention	03/27/2019	89,132
Smith, Chrystal A	NSF/National Science Foundation/Florida Polytechnic University	Collaborative: Standard: Enhancing Internships with Professional Ethics Training: Cultivating an Ethical Engineer Identity	02/21/2019	35,995
Sosis, Richard H	Templeton (John) Foundation/University of Otago	The Evolutionary Dynamics of Religion, Family Size and Child Success	01/09/2019	286,134
Veninger-Robert, Jacqueline	DOI/National Park Service	Development of a State of Connecticut Protocol for the Disposition of Culturally Unidentifiable Human Remains and Associated Funerary Objects	03/07/2019	89,999

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Xygalatas, Dimitrios	NSF/National Science Foundation	Doctoral Dissertation Research Worldly dervishes: A mixed-methods study of Surfism in Istanbul	01/15/2019	18,535
Chemistry			12 Proposals	\$7,449,939
Angeles-Boza, Alfredo M	American Chemical Society	15N Isotope Effects in Nitrogen Fixation Catalysis: Fundamental Understanding	03/15/2019	110,000
Angeles-Boza, Alfredo M	NSF/National Science Foundation	MRI: Acquisition of a MALDI TOF/TOF System for interdisciplinary research and training at the University of Connecticut	01/22/2019	380,111
He, Jie	NSF/National Science Foundation	SusChEM: Colligative States of Cu Catalysts: Bio-Inspired Design of Hybrid Polymer/Cu Catalysts for Oxygen Activation	03/29/2019	398,886
Kumar, Challa V	NASA/National Aeronautics and Space Administration/Mark O'Neill	Curled Graphene Radiators for Space Applications	03/19/2019	25,000
Kumar, Challa V	NASA/National Aeronautics and Space Administration/Mark O'Neill	Space PV Concentrators for Outer Planet and Near-Sun Missions, Using Ultra-Light Fresnel Lenses Made with Vanishing Tools	01/11/2019	92,966
Peczuh, Mark W	DHHS/NIH/National Institute of General Medical Sciences	A Platform for Identifying Glycosylated Small Molecule Lead Compounds	02/14/2019	442,750
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon micro-droplet dynamics determined through surface confinement of trapped kinetic states	03/15/2019	110,000
Rouge, Jessica	DHHS/NIH/National Institutes of Health	Development of Novel Surfactant-DNA Conjugate Nanocapsules for Targeted Therapeutic Regulation of Proinflammatory Genes	02/05/2019	2,013,787
Rouge, Jessica	DOD/Defense Threat Reduction Agency	Modular DNA-surfactant based nanocapsules for the selective detection of signature biological agents	03/04/2019	
Rusling, James F	DHHS/NIH/National Institutes of Health	CRISPR-Activated Liquid Bioassay for Early Alzheimer's Disease	02/13/2019	442,750
Rusling, James F	DHHS/NIH/National Institutes of Health	Genotoxicity analysis of atmospheric particulate material in indoor and outdoor air	03/07/2019	644,000
Rusling, James F	DHHS/NIH/National Institutes of Health	Single Cell Detection of Oral Cancer Metastasis in Lymph Nodes	02/04/2019	2,789,689
Communication			1 Proposals	\$512,567
Buck, Ross W	NSF/National Science Foundation	Knowing Other Minds: Developing Construct-Valid, Objective, Performance Measures of Emotional and Cognitive Empathy	01/16/2019	512,567
Ecology and Evolutionary Biology			12 Proposals	\$8,820,358
Bagchi, Robert	NSF/National Science Foundation	Collaborative Research: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	01/25/2019	6,455
Bolnick, Daniel I	American Association of Immunologists	Intersect Fellowship for Computational Scientists and Immunologists	01/17/2019	50,376
Bolnick, Daniel I	Childs (Jane Coffin) Memorial Fund for Medical Research	Jane Coffin Childs Memorial Fund for Medical Research - Fellowship - Foen Peng	02/12/2019	168,900
Bolnick, Daniel I	NSF/BIO/Directorate for Biological Sciences	Conference: IOS-EDGE Principal Investigators Meeting	01/29/2019	72,082
Knutie, Sarah A	DHHS/NIH/National Institutes of Health	Early-life gut microbiota as a mediator of neonicotinoids, immune responses, and risk of tuberculosis	02/28/2019	1,714,124
Merow, Cory G	NSF/National Science Foundation	Collaborative Research: Dimensions US-South Africa: A Linked Ecosystem of Open Data Resources and Scientists to Investigate Past Biodiversity Dynamics in Socio-Environmental Systems	02/28/2019	1,459,329
Simon, Christine M	NSF/National Science Foundation	REU Supplement: Exploring Endosymbiont Biodiversity and Complexity in the Family Cicadidae	02/01/2019	14,000
Urban, Mark C	NSF/National Science Foundation	NRT: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	02/06/2019	3,000,000
Wegrzyn, Jill L	NSF/National Science Foundation	Dimensions US-China: Collaborative Research: The drivers of individual tree performance across the life cycle in a changing world	02/28/2019	1,188,331
Yarish, Charles	DOE/Advanced Research Projects Agency/Marine Biological Laboratory	The Development of Techniques for Tropical Seaweed Cultivation and Harvesting	03/25/2019	417,796

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Yarish, Charles	DOE/Advanced Research Projects Agency/University of Alaska, Fairbanks	Development of Scalable Coastal and Offshore Macroalgal Farming	03/22/2019	481,585
Yarish, Charles	DOE/Advanced Research Projects Agency/Woods Hole Oceanographic Institution	Integrated Seaweed Hatchery and Selective Breeding Technologies for Scalable Offshore Seaweed Farming	01/28/2019	247,380
Economics			1 Proposals	\$178,327
Huang, Ling	NSF/National Science Foundation	Measuring the Housing Market from Space	01/28/2019	178,327
English			4 Proposals	\$101,991
Courtmanche, Jason C	CT Department of Education	CT Writing Project - UConn	02/11/2019	10,125
Courtmanche, Jason C	National Writing Project Corporation	Narratives of Empathy: Building a Connected Community Through Literature, Storytelling, and Dialogue	03/14/2019	20,000
Cutter, Martha	NEH/National Endowment for the Humanities	Slavery as Spectacle: The Lives and Afterlives of Henry Box Brown, the Salve Who Mailed Himself to Freedom	02/22/2019	60,000
Deans, Tom	Burroughs Wellcome Fund/University of Connecticut Health Center	The UConn Health Writing Program for Biomedical Science Trainees	03/06/2019	11,866
Geography			4 Proposals	\$858,273
Atkinson-Palombo, Carol	NSF/National Science Foundation	Standard Grant: Why is Sustainable Transportation So Hard to Achieve? A Historically-Grounded Framework for the Adoption of Emerging Transportation Technologies	02/04/2019	395,967
Ghosh, Debarchana	Connecticut Bar Foundation/Connecticut Fair Housing Center	Effects of foreclosures on community health and neighborhood de-stabilization: A mixed method approach	01/16/2019	87,500
Stephenson, Scott	NSF/National Science Foundation	NNA Track 1: Collaborative Research: Navigating Convergent Pressures on Arctic Resources (CPAR)	03/04/2019	374,806
Trumbull, Nathaniel S	Eurasia Foundation	Creation, Development, and Replication of Business Game on Decommissioning in the U.S. and Russia	02/15/2019	
History			1 Proposals	\$157,951
Baldwin, Peter C	NEH/National Endowment for the Humanities	Silicon Valley of the 19th Century: The Industrial Revolution in Central Connecticut	02/21/2019	157,951
Human Development and Family Studies			1 Proposals	\$9,999
Adamsons, Kari L	CT Department of Social Services	CT Fatherhood Initiative	03/12/2019	9,999
Humanities Institute			1 Proposals	\$50,000
Sirota, Sandra L	Spencer Foundation	Examining Human Rights and Social Justice Education for Teachers as Preparation to Address Discrimination in Schools	02/01/2019	50,000
Integrative Geoscience			5 Proposals	\$1,912,792
Gillingham, Julie C	NSF/National Science Foundation	Collaborative Research: Exhumation of Deep-Seated Rocks within Climate-Influenced and Oblique Orogenic Systems	01/11/2019	252,575
Hren, Michael	NSF/National Science Foundation	Testing models of arc growth through geophysical and surface methods: Do drips matter?	02/21/2019	573,316
Park Boush, Lisa	NSF/National Science Foundation	Collaborative Research: AccelNet: LINKEDECOS: A Linked Ecosystem of Open Data Resources and Scientists to Investigate Past Biodiversity Dynamics in Socio-Environmental Systems	02/28/2019	562,181
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: P2C2-Multi-Time-Scale Climate Dynamics in California (CA): An Integrated Multi-Proxy Stalagmite, Monitoring, and Modeling Approach	02/12/2019	2,254
Tabor, Clay	NSF/National Science Foundation	Collaborative Research: Evaluating Climate Change and Kill Mechanisms Associated with the End-Cretaceous Mass Extinction: A Model-Data Comparison Approach	02/21/2019	522,466

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Latino, Caribbean and Latin American Studies Institute			1 Proposals	\$149,825
Venator, Charles R	City of Holyoke, MA	Post-Hurricane Maria Planning Study, City of Holyoke, MA	01/07/2019	149,825
Linguistics			1 Proposals	\$11,917
Gajewski, Jon	NSF/National Science Foundation	Doctoral Dissertation Research: On the Semantics of Evidentials in Southern Aymara	01/11/2019	11,917
Marine Sciences			15 Proposals	\$6,259,444
Bucklin, Ann	TED Conferences/Woods Hole Oceanographic Institution	Ocean Twilight Zone Project: Biodiversity Theme - Part 2	01/11/2019	100,001
Granger, Julie	NSF/National Science Foundation	Investigation of Mechanisms Leading to Seasonal Hypoxia in the Southern Benguela Upwelling System	02/14/2019	512,929
Lin, Senjie	NSF/National Science Foundation	EDGE CT: Transformation and CRISPR/Cas9 Tools for Studying Gene Function in Dinoflagellates	02/11/2019	926,033
Lombardo, Kelly	DOE/Office of Science/University of Wyoming	Relationship between environmental variability and convective cloud processes and characteristics	03/06/2019	253,074
Lombardo, Kelly	NSF/National Science Foundation	Collaborative Project: MCS Evolution in the Midlatitude Maritime Environment eXperiment (MEMMEX)	01/31/2019	378,613
Lund, David C	NSF/GEO/Directorate for Geosciences	Collaborative Research: Mid-ocean ridge metal fluxes - Proxies of hydrothermal activity or bottom water hydrography?	02/28/2019	389,869
Mason, Robert	DHHS/NIH/National Institute of Environmental Health Sciences/Dartmouth College	Sources and Protracted Effects of Early Life Exposure to Arsenic and Mercury	01/29/2019	73,474
Mason, Robert	DHHS/NIH/National Institutes of Health	Climate related impacts on human exposure to methylmercury in coastal ecosystems in the US and China	02/20/2019	1,234,000
Mason, Robert	NSF/National Science Foundation	The role of unicellular plankton in determining the fate of selenium in the upper ocean	02/15/2019	691,799
McManus, George B	NSF/National Science Foundation	Collaborative Research: Combining Single-Cell and Community "omics" to Test Hypotheses about Diversity and Function of Planktonic Ciliates	02/15/2019	540,208
Siedlecki, Samantha A	DOC/NOAA/Oceanic and Atmospheric Research	Assessment of the Observing Network to Identify Processes Relevant to the Predictability of the Coastal Ocean of the Northeast on Centennial Time Scales	03/15/2019	762,182
Tobias, Craig R	/DOD/Navy/Naval Facilities Engineering Command (NAVFAC)	Stable-Isotope Labeled Tracers, an Innovation Way to Validate Natural Attenuation of RDX in Groundwater	03/18/2019	50,000
Vaudrey, Jamie M	Long Island Community Foundation/Earthplace	Assessing the Characteristics Needed in a Universal Long Island Sound Data Platform	03/06/2019	22,955
Vaudrey, Jamie M	Long Island Sound Funders Collaborative/Connecticut Fund for the Environment	Serving as Regional Home for the Long Island Sound Report Card	01/14/2019	24,000
Vlahos, Epapante P	NSF/National Science Foundation	Collaborative Research: Shifts and Transitions in Phytoplankton and Bacterial Community Dynamics in Response to Carbon and Nitrogen Inputs along an Urban, Estuarine Continuum	02/15/2019	300,307
Mathematics			5 Proposals	\$210,000
Ben Ari, Iddo	Simons Foundation	Topics in Ergodicity of Markov Processes	02/04/2019	42,000
Li, Zhongyang	Simons Foundation	Phase Transitions and Scaling Limits in Statistical Mechanical Models	01/31/2019	42,000
Lozano-Robledo, Alvaro	Simons Foundation	Galois Representations, Modular Curves, and Rational Points	01/30/2019	42,000
Sengupta, Ambar N	Simons Foundation	Mathematical Problems from Gauge Theories and Infinite-Dimensional Geometry	01/31/2019	42,000
Yan, Xiaodong	Simons Foundation	Some Nonlocal PDE Models	01/30/2019	42,000
Molecular and Cell Biology			13 Proposals	\$18,339,407

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Alder, Nathan N	DHHS/NIH/National Institutes of Health	First-in-class peptide therapeutics for mitochondrial disorders: molecular mechanism of action and optimization of design	02/19/2019	2,497,214
Alexandrescu, Andrei T	DHHS/NIH/National Institutes of Health	Structural Definition of the IAPP Amyloid Misfolding Landscape	02/19/2019	161,000
Campellone, Kenneth G	DHHS/NIH/National Institutes of Health	Cytoskeletal control of EHEC pedestals biogenesis, cell-to-cell spread, and colonization	02/05/2019	2,012,500
Giardina, Charles A	DHHS/NIH/National Institutes of Health	p53 Regulation at the Centromere	02/26/2019	161,000
Gogarten, Johann P	NASA/National Aeronautics and Space Administration	Niche Adapting Genes: How Microbes Evolve	03/11/2019	135,000
Gogarten, Johann P	NASA/National Aeronautics and Space Administration	Rooting the Eukaryotic tree using structural phlogenetic analysis of the proteasome and other ancient duplicated genes	03/11/2019	135,000
Goldhamer, David J	DHHS/NIH/National Institutes of Health	Regulation of satellite cell development, programming and differentiation by myogenic factors	02/05/2019	2,767,795
Heaslip, Aoife	DHHS/NIH/National Institutes of Health	Mechanisms of Vesicle Trafficking in Toxoplasma Gondii	02/05/2019	2,012,500
Lynes, Michael A	DOD/Department of Defense	Anti-metallothioein: a novel therapeutic for breast cancer	03/28/2019	608,580
O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Meiotic Breakdown and Transgenerational Epigenetic Effects in a Mouse Model Targeting the Xlr3 Gene Family	02/19/2019	2,012,500
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health	The Role of Retroelements in Centromere Function	03/05/2019	2,975,970
Teschke, Carolyn M	DHHS/NIH/National Institutes of Health	Understanding the Protein: Protein Interactions Required for Virus Assembly	03/05/2019	2,736,833
Teschke, Carolyn M	DHHS/NIH/National Institutes of Health/University of North Carolina, Chapel Hill	A Novel Protein Export Chaperone of Mycobacterium Tuberculosis	01/22/2019	123,515
Philosophy			1 Proposals	\$31,424
Battaly, Heather D	University of Oklahoma/Georgia State University	Political Humility: Conceptualization and Implications for Online Political Engagement	02/14/2019	31,424
Physics			13 Proposals	\$6,903,409
Battersby, Cara	NASA/National Aeronautics and Space Administration	Stirring up the Pot: Turbulent Evolution and Disrupted Star Formation in Galactic Centers	03/11/2019	135,000
Battersby, Cara	NASA/National Aeronautics and Space Administration/California Institute of Technology	ASTHROS - Astrophysics Stratospheric Telescope for High spectral Resolution Observations at Submillimeter-wavelengths	03/21/2019	18,000
Berrah, Nora	NSF/National Science Foundation/University of Central Florida	United States Tabletop Attosecond Laser Facility (USTALF)	01/21/2019	1,987,985
Cote, Robin J	DOD/Army/Army Research Office	Fast Dynamics of Molecular Dressed States	01/09/2019	564,999
Dunne, Gerald V	DOE/Department of Energy	Theoretical High Energy and Particle Physics	01/21/2019	1,669,160
Gibson, George N	Research Corporation for Science Advancement (RCSA)	Ultrahigh Sensitivity Infrared Vibrational Spectroscopy using Ultrashort Pulse Pump/probe Spectroscopy	03/01/2019	50,000
Jones, Richard T	NSF/National Science Foundation	CC* Compute: Shared Computing Infrastructure for Large-scale Science Problems	02/20/2019	400,000
Joo, Kyungseon	DOE/Department of Energy	Medium Energy Nuclear Physics with CLAS at Jefferson Lab	02/05/2019	1,416,000
Joo, Kyungseon	NSF/National Science Foundation/Duquesne University	Development of the RICH Detector for the CLAS12 Spectrometer in Hall B of Jefferson Lab	01/18/2019	70,000
Roychoudhuri, Chandra S	NASA/National Aeronautics and Space Administration	Experimental Validation for Space as a Stationary Complex Tension Field (CTF)	03/29/2019	252,265
Tease, Katherine E	NASA/National Aeronautics and Space Administration	REQUIEM^20: RESolving QUIEscent Magnified Galaxies with 2D Grism Spectroscopy	03/11/2019	135,000
Tease, Katherine E	Sloan (Alfred P.) Foundation	Tracing the Cosmic Shutdown of Massive Galaxies	03/28/2019	70,000
Trump, Jonathan R	NASA/National Aeronautics and Space Administration	Mapping the Light Echoes of Black Hole Growth	03/11/2019	135,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Physiology and Neurobiology			8 Proposals	\$8,642,472
Conover, Joanne	DHHS/NIH/National Institutes of Health	Disease Mechanisms of Prenatal Acquired Hydrocephalus	03/05/2019	2,012,500
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Developing minor spliceosome and Fus loss of function mouse models for FTD	03/14/2019	2,094,972
Mulkey, Daniel K	American Epilepsy Society	Loss of Function of SCN1A in Brainstem Inhibitory Neurons Contribute to Disordered Breathing	02/01/2019	50,000
Mulkey, Daniel K	DHHS/NIH/National Heart, Lung, and Blood Institute	Role of KCNQ2 Channels in Control of Breathing	01/31/2019	190,350
Mulkey, Daniel K	DHHS/NIH/National Institutes of Health	Defining Astrocyte Heterogeneity Across the Brainstem Respiratory Circuit	03/18/2019	442,750
Sun, Jianjun	DHHS/NIH/National Institutes of Health	Physiological Functions of Female Reproductive Tract Secretions	03/04/2019	2,012,500
Sun, Jianjun	University of Iowa, Developmental Studies Hybridoma Bank	Antibody Tools for Protein Expression in Drosophila Female Reproductive System	01/23/2019	25,000
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health	UConn Postbaccalaureate Research Education Program (PREP)	01/24/2019	1,814,400
Political Science			1 Proposals	\$659,375
Arat, Zehra	NSF/National Science Foundation	Development of Human Rights Norms: The Case of Turkey	01/28/2019	659,375
Psychological Sciences			17 Proposals	\$16,689,914
Barnes-Farrell, Janet L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	Aging, Musculoskeletal Disorder and Work Capacity	03/29/2019	14,474
Coppola, Marie	NSF/National Science Foundation/University of Chicago	Two-Verb Predicates in Sign Languages: Typological variation and emergence	01/14/2019	52,499
Dixon, James A	NSF/National Science Foundation	Bridging Explanatory Approaches to Collective Behavior: Decisions Networks and Physics in Futbol	02/01/2019	999,750
Fitch, Roslyn H	Autism Speaks	Communicative Outcomes in the Presence of Dual Mutation Associated with CAPD and ASD	02/13/2019	80,000
Fitch, Roslyn H	DHHS/NIH/National Institutes of Health	Therapeutic Cooling and Caffeine for Brain Injury of Prematurity	02/05/2019	3,070,690
Henning, Robert A	NSF/National Science Foundation	Collaborative Research: FW-HTF-RM: An Intelligent Relational Tracking System for Augmenting Social Skills during Face-to-Face Collaborative Decision Making and Creative Problem Solving	03/06/2019	1,180,536
Hoelt, Fumiko	Chan Zuckerberg Initiative/University of California, San Francisco	Development and Validation of Precision Learning Executive Function App (PLEF)	01/30/2019	1,298,381
Hoelt, Fumiko	DHHS/NIH/National Institute of Child Health and Human Development	Intergenerational Neuroimaging of Language and Reading Networks using a Natural Crossfostering Design	02/14/2019	4,041,203
Hoelt, Fumiko	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	UConn Healthy Brain and Child Development (BCD) Program	03/19/2019	312,115
Hoelt, Fumiko	Oak Foundation	Supporting Optimal Outcomes for Students with Learning Differences	02/28/2019	769,578
Large, Edward	DHHS/NIH/National Institute on Deafness and Other Communication Disorders	An interactive rhythm-based intervention for language skills in aphasic and dyslexic populations	02/28/2019	1,894,876
Rueckl, Jay G	DHHS/NIH/National Institutes of Health/Florida State University	Towards an understanding of how children read and spell complex words: An item-level and computational approach to identifying malleable factors	02/01/2019	867,250
Salamone, John D	DHHS/NIH/National Institutes of Health	Atypical Dopamine Transport Inhibitors as Treatments for Motivational Dysfunction	03/18/2019	161,000
Salamone, John D	DHHS/NIH/National Institutes of Health	Hypothalamic Dopamine and the Effects of Lisdexamfetamine in a Binge Eating Model	02/19/2019	161,000
Salamone, John D	DHHS/NIH/National Institutes of Health	Physiological Markers of Forebrain Circuit Engagement Regulating Effort-Based Decision Making	02/04/2019	1,175,780
Salamone, John D	Lundbeck	Assessing the effect of chronic dopamine receptor 2 blockade as a potential model of secondary negative symptoms in rats	01/28/2019	168,032

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Swadlow, Harvey A	DHHS/NIH/National Institutes of Health	The Role of LGN Directional Selectivity in Visual Cortical Processing	03/18/2019	442,750
Speech, Language and Hearing Sciences			3 Proposals	\$2,067,451
Cienkowski, Kathleen M	Ida Institute	Effectiveness of immersion for enhancing the benefits of group aural rehabilitation for adults with hearing loss	03/04/2019	10,000
Myers, Emily	Acoustical Society of America	Speech Perceptual Learning in Parkinson's Disease	02/15/2019	60,000
Skoe, Erika	DHHS/NIH/National Institutes of Health	Noise Exposure and the Benefits of Musicianship	02/28/2019	1,997,451
Statistics			11 Proposals	\$1,514,578
Chen, Kun	NSF/National Science Foundation	Collaborative Research: Integrative Analysis of Heterogeneous Biomedical Data Through Stagewise Multi-Convex Learning: Scalable Computation and Statistical Guarantee	01/16/2019	445,258
Chen, Ming-Hui	DHHS/NIH/National Cancer Institute/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	01/21/2019	97,189
Chen, Ming-Hui	DHHS/NIH/National Institutes of Health/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	01/11/2019	433,949
Chen, Ming-Hui	Merck/University of North Carolina, Chapel Hill	Statistical Analysis of Clinical Data	03/14/2019	60,738
Chen, Ming-Hui	United Technologies-Pratt & Whitney	V2500 & NEO Combustor Life Modeling	02/05/2019	25,000
Harel, Ofer	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Empower community-invested constituents with practical statistical skills to generate evidence from data and turn into action	01/22/2019	102,712
Wang, Xiaojing	Simons Foundation	Methodological and Theoretical Developments for Bayesian Modeling in Large-Scale Complex Data	01/31/2019	42,000
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model - Round Two of Funding	01/28/2019	37,305
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	01/11/2019	13,882
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	01/28/2019	95,545
Zhang, Yuping	DHHS/NIH/National Institutes of Health	Statistical Methods to Prioritize Condition-Specific Molecular Interactions and Pathways in Cancer	02/26/2019	161,000
NEAG School of Education			15 Proposals	\$2,785,564
Curriculum and Instruction			2 Proposals	\$80,077
Campbell, Rebecca A	NSF/National Science Foundation/Harris-Stowe State University	RCN-UBE-Inclusive Environments and Metrics in Biology Education and Research (iEMBER): Novel Networking to Promote New Collaborations and Broaden Participation	01/22/2019	30,077
Truxaw, Mary P	Spencer Foundation	Co-Teaching to Enhance Teacher Efficacy for Teaching Mathematics in Linguistically Diverse Classrooms	01/28/2019	50,000
Educational Leadership			6 Proposals	\$1,667,991
Castillo-Montoya, Milagros	/Education Commission of the States	People in the Reform Series	01/30/2019	37,600
Cobb, Casey D	Hartford Foundation for Public Giving	Retrospective Analysis of the Hartford Community Schools Program	03/13/2019	84,489
Cobb, Casey D	NSF/National Science Foundation/University of Maine	Research on Underrepresented Students in STEM	03/14/2019	416,972
Gonzales, Richard	Wallace Foundation	Wallace UPPI Initiative	01/29/2019	1,070,000
McGarry, Jennifer E	USDA/Food and Nutrition Service/CT Department of Social Services	Husky Sport	03/11/2019	7,330
Weiner, Jennie	Insight Education Group	Evaluating the STEP Process	02/27/2019	51,600

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Educational Psychology			7 Proposals	\$1,037,496
Bray, Melissa A	Waterford Public Schools, CT	School Psychology Graduate Intern - Danielle Stern	03/26/2019	18,847
Kearney Lydon, Kelly	American Psychological Foundation	Reflecting on Giftedness in Self and Others: Preparing High-Ability Preservice Teachers for the Classroom	02/28/2019	49,667
La Salle, Tamika P	DHHS/NIH/National Institutes of Health/University of Alabama, Birmingham	Reducing Youth Violence and Racism/Discrimination: The Efficacy of Comprehensive Prevention Strategies (CPS)	02/28/2019	221,316
Loken, Eric O	DHHS/NIH/National Institutes of Health/Pennsylvania State University	Primary Prevention of Obesity: The Responsive Approach to Infants with Signing Enhancement (RAISE) Trial	01/29/2019	133,053
Lombardi, Allison	ED/Office of Special Education and Rehabilitative Services/CT Department of Education	Post-School Outcomes Survey of CT Special Education Students - Exiters of Special Education Graduation Years 2017 and 2018	03/08/2019	128,196
Renzulli, Joseph S	Cooke (Jack Kent) Foundation	Young Scholars Senior Summit Program	01/15/2019	322,000
Rhoads, Christopher H	NSF/National Science Foundation/City University of New York	What happens when students can't get into an online STEM course section? Online course scarcity, student time poverty, and academic momentum	01/14/2019	164,417
School of Business			2 Proposals	\$138,642
Connecticut Center for Entrepreneurship and Innovation			1 Proposals	\$75,000
Murphy, Jennifer E	CTNext	Spurring InsurTech in Connecticut	02/20/2019	75,000
Finance			1 Proposals	\$63,642
Carstensen, Fred V	Borough of Naugatuck, CT	The Naugatuck Inland Port Project	03/19/2019	63,642
School of Engineering			98 Proposals	\$60,651,909
Biomedical Engineering			11 Proposals	\$4,893,450
Feng, Bin	DHHS/NIH/National Institutes of Health	Determining the topology and molecular profiles of nociceptive DRG neurons innervating distal colon and rectum	02/08/2019	2,111,621
Hoshino, Kazunori	DOD/Department of Defense/Yale University	Smart Flow Sensor for a Cerebral Shunt	03/25/2019	206,081
Hoshino, Kazunori	NSF/ENG/Directorate for Engineering	Micro/Mesoscale Elastography Based on Real-Time 3D Tomography and Cantilever Force Sensing	02/04/2019	16,000
Kaputa, David F	Hartford Hospital	Hartford Hospital 2019-2020	03/25/2019	109,898
Kaputa, David F	University of California, San Francisco Health	2019-2021 Clinical Engineering Internship Program at UCSF Medical Center	01/09/2019	129,881
Kaputa, David F	VA/Greater Los Angeles Healthcare System	VA LA 2019-2021	03/04/2019	129,881
Nukavarapu, Syam P	DHHS/NIH/National Institutes of Health	Biodegradable Scaffolds for Osteochondral Tissue Engineering	03/05/2019	2,020,097
Nukavarapu, Syam P	NSF/National Science Foundation	NSF Transfer# 164008	02/25/2019	27,498
Zheng, Guoan	CytoVeris	Rapid Raman Spectroscopy Imaging via Laser Line-Array Projection	01/18/2019	50,000
Zheng, Guoan	DHHS/NIH/National Institutes of Health/CytoVeris	Angular Depth Resolved Raman Spectroscopy	03/29/2019	70,888
Zheng, Guoan	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	A Reaction-Diffusion-Based Approach for Nucleic Acid Quantification	01/31/2019	21,605
Center for Clean Energy Engineering			15 Proposals	\$6,159,838
Bozorgmanesh, Hadi	DHHS/NIH/National Institutes of Health/Yale University	Evidence-Based Biomedical Accelerator (EBBA)	03/12/2019	120,000
Chen, Yupeng	NSF/National Science Foundation	ISS: Engineering Multiple-compartment Cartilage Tissue Construct for Space and Terrestrial Applications	03/04/2019	400,000
Jankovic, Jasna	DOE/Department of Energy/Giner	Novel Fluorinated Ionomer for PEM Fuel Cells	01/21/2019	100,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Jankovic, Jasna	NSF/National Science Foundation/Colorado School of Mines	Towards Commercialization of Electrolyzers & Fuel Cells: Technology Development for Large Scale Electrode Coating Processes	01/15/2019	204,000
Kim, Jeongho	United Technologies-Pratt & Whitney	UConn - Compression Systems: Composites Manufacturing, Analysis and Test	01/10/2019	65,000
Lei, Yu	DHHS/NIH/National Institutes of Health	A High-throughput, Low-Cost, Portable, Engineered "Mycologist" Platform for Rapid and Reliable Identification of Candida Species and Determination of its Susceptibility Profiles	02/05/2019	3,882,000
McCutcheon, Jeffrey R	NSF/National Science Foundation	Collaborative Research: Reverse Osmosis Membranes with Tunable Properties: Quantifying the Impact of Roughness on Fouling Propensity	03/18/2019	333,139
Pasaogullari, Ugur	DOE/Department of Energy/Skyre	Phase IIB - Hydrogen Contamination Detector	01/24/2019	359,512
Pasaogullari, Ugur	DOE/Department of Energy/Skyre	Rapid Hydrogen Cleanup System	02/14/2019	37,278
Singh, Prabhakar	DOE/Department of Energy/Giner	Evaluation of Electrolyte Matrix Stability and Corrosion Resistance of Metallic components in Molten Alkaline Water Electrolysis System	03/19/2019	96,000
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	A New Process for Upcycling Plastic and Biomass in the Form of Hot Mix Liquid Asphalt Substitute	02/20/2019	38,942
Valla, Ioulia	Doosan Fuel Cell America	Hydro sulfurization testing using various catalysts and feedstocks	01/16/2019	49,967
Valla, Ioulia	University of New Haven	Integrated eLearning KEEN Module W/University of New Haven	01/08/2019	2,000
Wagstrom, Kristina	NSF/National Science Foundation	NNA Track 1: Quantifying Specific Air Pollution Source Impacts to Current and Future Arctic Climate and Ecosystems	03/04/2019	422,000
Willis, Brian G	LAM	Studies of Plasma-ALD Yttria Thin Films for Corrosion Resistant Coatings	03/25/2019	50,000
Chemical and Biomolecular Engineering			5 Proposals	\$879,836
Cho, Yongku P	DHHS/NIH/National Institute of Neurological Disorders and Stroke	Human antibodies recognizing oligomeric tau	03/18/2019	442,750
Cho, Yongku P	Dreyfus (Camille and Henry) Foundation	Highly Specific Recognition of Protein Post-Translational Modifications for Live Cell Imaging	02/07/2019	100,000
Ma, Wing Kui Anson	DOD/Navy/Department of the Navy/Physical Sciences	Additive Manufacturing for Li-Ion Batteries	02/21/2019	290,000
Ma, Wing Kui Anson	Mixed Sources/University of Massachusetts, Lowell	Multi-Material Projection Microsterolithography-Based 3D Printing	01/16/2019	47,086
Srivastava, Ranjan	NSF/National Science Foundation	Pushing on Tipping Points Using Data Science	03/04/2019	
Civil and Environmental Engineering			5 Proposals	\$3,889,427
Chrysochoou, Maria	CT Department of Economic and Community Development	The Connecticut Brownfields Initiative	01/11/2019	25,000
Chrysochoou, Maria	NSF/National Science Foundation	IUSE/PFE: RED Innovation Beyond Accommodation: Leveraging Neurodiversity for Engineering Innovation	01/24/2019	2,000,000
Kim, Jeongho	DOD/Air Force/Department of the Air Force/LBI	Composite Case Technology for Penetrators/Perforators	02/05/2019	25,140
Kirchhoff, Christine	NSF/National Science Foundation	CNH2-L: Collaborative Research: Integrating farm, city and nitrogen to assess and manage toxic algal blooms as a socio-environmental system	02/14/2019	1,599,262
Pena Mendez, Malaquias	DOC/NOAA/National Oceanic and Atmospheric Administration	Advancing Unified Forecast System subseasonal-to-seasonal prediction of precipitation using spatial verification methods	01/22/2019	240,025
Computer Science and Engineering			15 Proposals	\$10,519,354
Bi, Jinbo	VentureWell	Secure Election Systems LLC	02/04/2019	5,000
Han, Song	DOE/Department of Energy	A Secure Communication Framework with Verifiable Authenticity for Immutable Services in Fossil Power Generation	02/25/2019	400,000
Han, Song	NSF/National Science Foundation	CC* Integration: Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	02/20/2019	952,384

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Han, Song	NSF/National Science Foundation	PFI-TT: Towards a Configurable Real-Time High-Speed Wireless Communication Platform for Large-Scale Industrial Sensing and Control Systems	01/17/2019	250,000
Herzberg, Amir	NSF/CISE/Directorate for Computer and Information Science and Engineering	CICI: SSC: Robust and Secure Internet Infrastructure for Scientific Collaboration	03/29/2019	14,400
Jbara, Ahmad H	Comcast Corporation	Comcast Selected Projects 2019: Open Source Component Analysis	02/15/2019	100,000
Johnson, Joseph	Unilever	Machine Learning Consumer Project Formulation Features for Sensory Characteristic Prediction	02/07/2019	43,290
Krawec, Walter O	Comcast Corporation	CSI Selected Projects 2019: Development of Experimental Test-Bed for Multi-User Quantum Communication Protocols	03/12/2019	222,125
Michel, Laurent D	Comcast Corporation	CSI Selected Projects 2019: TSF Service/Tenant Automated Deployment	02/15/2019	100,000
Nabavi, Sheida	DOD/Department of Defense	Knowledge Powered Deep Learning for Precise Mammographic Breast Cancer Detection	03/28/2019	649,013
Rajasekaran, Sanguthevar	DHHS/NIH/National Institutes of Health	Efficient Techniques for Healthcare Data Integration and Privacy	03/05/2019	2,652,508
Rajasekaran, Sanguthevar	DOE/Department of Energy	Novel Computational Big Data Techniques for Chemical and Materials Systems	03/08/2019	1,500,000
Shin, Dong	DHHS/NIH/National Institutes of Health	GERIAT DB: Aging Study Gene Repression Database Supporting Ad Hoc Querying and Topology-Based Pathways Analysis	02/19/2019	2,877,544
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	High Resolution 3D Mapping of Cellular Heterogeneity within Mineralized Tissue	03/12/2019	753,090
Yang, Qian	DOE/Department of Energy	Statistical Learning of Chemical Reactivity in Complex Systems	03/08/2019	
Connecticut Transportation Institute			11 Proposals	\$23,007,645
Ivan, John N	NAS/Transportation Research Board/University of Central Florida	Updating Safety Performance Functions for Data-Driven Safety Analysis	01/17/2019	240,000
Jackson, Eric D	Consumer Reports	Consumer Reports Pilot	01/02/2019	19,584
Jackson, Eric D	DOT/Federal Highway Administration (FHA)	Connecticut Autonomous Microshuttle Demonstration Initiative	03/21/2019	7,237,004
Jackson, Eric D	NAS/Transportation Research Board	Influence of Infrastructure Design on Distracted Driving	01/28/2019	250,000
Jackson, Eric D	NSF/National Science Foundation	MR1: Acquisition of Autonomous Vehicles (AV) Project	01/22/2019	1,601,115
Jackson, Eric D	NSF/National Science Foundation	Mid-scale RI-1 (M1:IP): Construction of the Northeast Test Track and Training Facility	02/19/2019	12,573,001
Jackson, Eric D	RI Department of Transportation	A Community Survey Proposal for the RI DOT TRIP Mobility Challenge	02/08/2019	416,265
Lownes, Nicholas	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	UConn 2019 Summer Transportation Institute	03/27/2019	50,000
Malla, Ramesh B	DOT/Department of Transportation/University of Maine	US DOT - University Transportation Center - Region 1 (New England)	03/19/2019	505,000
Shea, Donna	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	CT Safety Circuit Rider Program	02/21/2019	82,800
Zhao, Shanshan	Ohio Department of Transportation/Ohio University	CT Local Technical Assistance Program (LTAP) 2020-07 Freeway Segment Safety Performance Function (SPF) Development	03/13/2019	32,876
Electrical and Computer Engineering			7 Proposals	\$3,589,691
Bar-Shalom, Yaakov M	Denso International America	Tracking and Data Fusion for Autonomous Vehicles	03/06/2019	693,828
Bragin, Mikhail A	Midcontinent Independent System Operator (MISO)	Unit Commitment with Parallel SAVLR and Formulation Tightening	03/25/2019	49,994
Chandy, John A	NSF/National Science Foundation	IUSE/PFE:RED Innovation: EXCEED – Excellence through Continuous Electrical Engineering Discovery	01/24/2019	1,911,195

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Khan, Omer	NSF/National Science Foundation	SaTC: CORE Small: A Secure Processor that Exploits Multicore Parallelism while Protecting Against Microarchitecture State Attacks	03/13/2019	500,000
Yan, Bing	ABB	Efficient Network Constrained Unit Commitment Phase 2: Convergence and Parallel Implementation of SAVLR and B&C	03/27/2019	19,999
Yan, Bing	Ministry of Science and Technology of the People's Republic of China/National Cheng Kung University	Novel Formulation and Optimization of Semiconductor Packaging Scheduling Problems	03/29/2019	148,009
Zhang, Peng	NSF/ENG/Directorate for Engineering	Empowering Smart and Connected Communities through Programmable Community Microgrids	03/15/2019	266,666
Engineering Dean			1 Proposals	\$320,000
Bozorgmanesh, Hadi	Connecticut Innovations	Connecticut Innovation and University Bioscience Grant	01/11/2019	320,000
Eversource Energy Center			2 Proposals	\$1,434,718
Dokou, Zoi A	Strategic Environmental Research and Development Program (SERDP)	PFAS source identification using experimental, mathematical modeling and optimization techniques	03/11/2019	940,586
Sofia, Giulia	NSF/National Science Foundation	RHEA: a geomorphological shift in flood risk analysis under changes in landscape and climate drivers	02/21/2019	494,132
Materials Science and Engineering			3 Proposals	\$845,000
Gao, Puxian	DOE/Department of Energy/3D Array Technology	3D Nano-array Honeycomb Monoliths for Low-Temperature Oxidative Coupling of Methane	02/22/2019	50,000
Gao, Puxian	DOE/Department of Energy/University of Illinois at Chicago	Dual-Mode High-Q RF Sensors for Non-Conductive Features Imaging	02/08/2019	120,000
Lee, Seok Woo	Moore (Gordon and Betty) Foundation	Mechanically-Switchable High Temperature Superconductors	03/04/2019	675,000
Mechanical Engineering			18 Proposals	\$4,747,951
Cetegen, Baki	United Technologies-Pratt & Whitney	Experimental work in Combustor Durability	01/10/2019	65,004
Cooper, Ryan C	DOC/National Institute of Standards and Technology (NIST)	High School Quantum Card Game to Reflect the Redefinition of the SI Units	01/28/2019	199,985
Fan, Tai-Hsi	American Chemical Society	Theoretical Analysis on Bridging the Molten Pool Dynamics, Solidification, and Microporosity Evolution in Additive and Non-additive Laser Welding Process	03/12/2019	110,000
Fan, Tai-Hsi	NSF/National Science Foundation	Ideas Labs Preliminary Proposal: Bridging Physical and Data Sciences in Additive Manufacturing	03/04/2019	
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS	01/22/2019	58,350
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS Gradient Rig	01/22/2019	170,000
Li, Ying	NSF/CISE/Directorate for Computer and Information Science and Engineering	CRII: OAC: A Hybrid Finite Element and Molecular Dynamics Simulation Approach for Modeling Nanoparticle Transport in Human Vasculature	02/12/2019	9,660
Lykotraftis, George	NSF/ENG/Directorate for Engineering	CAREER: Agent-Based Modeling of Action Potential Initiation and Propagation in Unmyelinated Neurons	03/06/2019	97,164
Nguyen, Thanh D	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut Health Center	The Molecular Mechanism of the Surface charge of Piezoelectric materials for bone regenerative engineering	03/08/2019	138,856
Nguyen, Thanh D	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Bionic Self-Stimulated Cartilage	01/08/2019	176,631
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	02/07/2019	443,529
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable intracranial pressure sensor based solely on medical biomaterials	02/04/2019	1,385,889
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Real-Time Measurement of Joint-Loading for Osteoarthritis Study and Treatment	02/12/2019	444,327

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Nguyen, Thanh D	Moore (Gordon and Betty) Foundation	Biodegradable Nanopiezoelectrics for Biodegradable Medical Devices	03/04/2019	675,000
Tang, Jiong	DOE/Department of Energy	Non-Contact Interrogation of Cladding Properties Using Tunable Magneto-Mechanical Impedance	02/12/2019	680,000
Tarakanova, Anna	Fondazione Cariplo/Polytechnic University of Milan	Molecular basis of osteoporosis and age related bone diseases	03/15/2019	0
Tasoglu, Savas	DHHS/NIH/National Institutes of Health/QRfertility	Home-Based Platform Technology for Male Reproductive Health Screening using Multiplexed Colorimetric Assays and Cloud-Based Machine Learning via a Smartphone	01/07/2019	23,556
Zhang, Dianyun	United Technologies-Pratt & Whitney	Process Modeling for OMC	01/15/2019	70,000
UTC Institute for Advanced Systems Engineering			5 Proposals	\$364,999
Bollas, Georgios	American Institute of Chemical Engineers	Model-Based Process Systems Engineering for Process Intensification	03/25/2019	175,000
Bollas, Georgios	United Technologies-Pratt & Whitney	Model Based Systems Engineering Modeling Abstractions for System Definition and Performance Analysis	01/15/2019	75,000
Bollas, Georgios	United Technologies-Pratt & Whitney	Physics-Informed Machine Learning for Fault Detection and Isolation in Aerospace Systems Phase 1	03/11/2019	37,536
Bollas, Georgios	United Technologies-Pratt & Whitney	Physics-Informed Machine Learning for Fault Detection and Isolation in Aerospace Systems Phase 2	03/12/2019	37,463
Han, Song	NSF/National Science Foundation	CCRI: Planning: Towards a Software-defined Industrial Internet of Things (IIOT) Research Infrastructure for Advanced Manufacturing	02/20/2019	40,000
School of Fine Arts			2 Proposals	\$599,778
School of Fine Arts			2 Proposals	\$599,778
Scheinfeldt, Joseph T	Mellon (Andrew W.) Foundation	Greenhouse Studios: Building a Digital Scholarship Center to University Press Pipeline	03/27/2019	500,000
Scheinfeldt, Joseph T	NEH/National Endowment for the Humanities	Tube: An Application for the Retrieval and Delivery of Remote Archival Documents	01/15/2019	99,778
School of Law			1 Proposals	\$2,550
School of Law			1 Proposals	\$2,550
Rubin, Jessica	University of California, Los Angeles	An Evaluation of the Impact of Desmond's Law - Do Court Advocates Impact the Prosecution and Outcomes of Animal Cruelty Cases?	03/14/2019	2,550
School of Nursing			6 Proposals	\$11,211,064
School of Nursing			6 Proposals	\$11,211,064
Alexander, Ivy M	DHHS/HRSA/Bureau of Health Workforce	PCNP CUPS Primary Care Nurse Practitioners Caring for Underserved Populations -- An Innovative Clinical-Academic Partnership to Enhance NP Preparation for Practice	01/08/2019	2,800,000
Alexander, Ivy M	Eastern Nursing Research Society	The Lived Experience of Severe Maternal Morbidity among Black Women	01/31/2019	5,000
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Receptor-Mediated Effects of TIMP-1 in the Regulation of Afferent Function	02/05/2019	2,029,424
Feng, Bin	DHHS/NIH/National Institutes of Health	Electrodermal Recordings of Autonomic Neural Activities as an Objective Metric for Visceral Pain	03/06/2019	3,531,665
Starkweather, Angela	Virginia Commonwealth University	Mindful Self-Management of Back Pain in Pregnancy to Prevent Chronic Pain	01/18/2019	838,755
Young, Erin	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Targeting Avpr1a and Adrb2 for precision pain management in irritable bowel syndrome	02/11/2019	2,006,220
School of Pharmacy			22 Proposals	\$13,778,924
Pharmaceutical Sciences			21 Proposals	\$13,671,465

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Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Assessing the Role of Conformational Flexibility in the Anti-Inflammatory Protein TNIP1	01/16/2019	10,000
Aneskievich, Brian J	National Psoriasis Foundation	Deciphering the Role of TNIP1 Protein Conformational Flexibility in Suppressing Psoriasis-Associated Inflammatory Signaling	01/16/2019	74,983
Bahal, Raman	American Heart Association/University of Iowa	Targeting Vascular miR-204 to Improve Dysbiosis Associated Worsening in Stroke Outcome	01/09/2019	20,000
Bahal, Raman	Cooley's Anemia Foundation	Next Generation Site Specific Genome Editing of Hematopoietic Stem Cells for Beta Thalassemia Gene Therapy	02/04/2019	32,500
Bahal, Raman	DHHS/NIH/National Cancer Institute	Targeted delivery of short anti-miRs for lymphoma therapy	02/20/2019	442,750
Bahal, Raman	DHHS/NIH/National Heart, Lung, and Blood Institute	Developing next generation synthetic nucleic acid analogous for sickle cell disease gene editing	03/05/2019	2,000,300
Bahal, Raman	DHHS/NIH/National Institute of General Medical Sciences/University of Idaho	Development of Sequence-unrestricted In Vivo Gene Factors based on Invader Probes	02/07/2019	221,375
Bahal, Raman	DHHS/NIH/National Institute of Neurological Disorders and Stroke	Site specific gene editing of IDUA mutations as a novel Mucopolysaccharidosis gene therapy	03/04/2019	2,011,215
Bahal, Raman	DHHS/NIH/National Institutes of Health	Next generation targeting multiple oncomiRs for cancer therapy	02/05/2019	2,012,500
Bahal, Raman	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Next generation gamma Peptide Nucleic Acids (γPNAs) for the treatment of ischemic stroke	02/07/2019	177,100
Bahal, Raman	DHHS/NIH/National Institutes of Health/Yale University	Triplex induced gene editing for Gaucher diseases	01/17/2019	1,006,250
Bahal, Raman	DOD/Department of Defense/Yale University	Cell specific microRNA silencing, a novel therapeutic approach for pulmonary fibrosis	03/25/2019	20,000
Bahal, Raman	St. Baldrick's Foundation	Next generation targeting of tumor microenvironment for cancer therapy	03/27/2019	100,000
Chaudhuri, Bodhisattwa	Takeda Pharmaceuticals	Modeling of Peristaltic Pumping of Non-Newtonian Pharmaceutical Fluids	02/11/2019	174,253
Hadden, Matthew K	DHHS/NIH/National Institutes of Health/University of Massachusetts Medical School	Targeting replication stress avoidance in cancer	03/25/2019	519,549
Kendall, Debra A	DHHS/NIH/National Institute on Drug Abuse	Discovering the molecular, cellular and physiological profiles of novel CB2 selective agents	03/05/2019	1,905,864
Lu, Xiuling	American Foundation for Pharmaceutical Education	Nanoparticle-Mediated Inhibition of Acute Leukemic Stem Cells	01/16/2019	10,000
Wiemer, Andrew	DHHS/NIH/National Institutes of Health	Regulation of gamma delta T cell immunoeediting by novel phosphoantigens	02/28/2019	2,270,076
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	New Agents for the Treatment of Mycobacterium Avium Infections	01/02/2019	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Small Molecule Agents for Rheumatoid Arthritis	01/04/2019	120,000
Zhong, Xiaobo	DHHS/NIH/National Institutes of Health	Posttranscriptional regulation of drug-metabolizing P450 enzymes by RNA methylation	02/12/2019	442,750
Pharmacy Practice			1 Proposals	\$107,459
Coleman, Craig	NSF/National Science Foundation	Collaborative Research: Topological Modelling of Personalized Outcome Prediction	01/16/2019	107,459
School of Social Work			5 Proposals	\$720,944
School of Social Work			5 Proposals	\$720,944
Elsaesser, Caitlin	Johnson (Robert Wood) Foundation	Harnessing the Power of Digital Storytelling for 21st Century Community Health	03/13/2019	350,000
Lin, Hsiu-Ju	DHHS/NIH/National Institutes of Health/Yale University	Transitions Clinic Network: Post Incarceration Addiction Treatment, Healthcare and Social Support (TCN PATHS) Study	02/14/2019	195,945
Okpych, Nathanael J	Grant (William T.) Foundation	The Social Network Connections Study of College Students with Foster Care Histories (Connections Study)	01/09/2019	49,999

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Okpych, Nathanael J	Spencer Foundation	The Social Network Connections Study of College Students with Foster Care Histories	01/28/2019	50,000
Rodis, Eleni T	National Association of State Mental Health Program Directors (NASMHPD)/CT Department of Mental Health and Addiction Services	Connecticut Transformation Transfer Initiative (CT TTI)	03/14/2019	75,000
Academic and Service Programs			4 Proposals	\$5,704,675
Global Affairs			3 Proposals	\$5,704,675
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY 2019 Study of the U.S. Institutes for Student Leaders	01/07/2019	4,344,754
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY2018 Young Southeast Asian Leaders Initiative (YSEALI) Academic Fellowship (FY19- Continuation Year 1)	03/15/2019	1,299,997
Saunders-Kanabay, LuAnn I	ED/Department of Education	Fulbright-Hays Doctoral Dissertation Research Abroad Fellowship Program	03/25/2019	59,924
Student Activities			1 Proposals	\$0
Wilson, Christine M	Jumpstart	Jumpstart Program	03/20/2019	0
Vice President for Research			62 Proposals	\$40,082,677
Center for Environmental Sciences and Engineering			12 Proposals	\$9,285,706
Caira, Janine N	NSF/National Science Foundation	Collaborative Research: Cestode Phylogenetics and Genomics: A Spine for the Spineless, Gutless Worms	01/30/2019	1,209,967
Caira, Janine N	NSF/National Science Foundation	The Rettenmeyer Army Ant Guest Collection Becomes All it Can Be!	01/08/2019	321,858
Fahey, Robert T	NSF/National Science Foundation	Collaborative Research: MSA: Incorporating Canopy Structural Complexity to Improve Model Forecasts of Functional Effects of Forest Disturbance	02/25/2019	29,526
Fahey, Robert T	NSF/National Science Foundation	SG: Assessing Temporal Dynamics of Disturbance Interactions as a Driver of a Novel Forest Mortality Event	01/11/2019	57,849
Fahey, Robert T	Tree Research and Education Endowment Fund (TREE Fund)	Monitoring and Modeling Changes in Street Tree Communities Over Time	03/08/2019	25,000
Jones, Cynthia S	NSF/National Science Foundation	Mid-Scale RI-1 (M1:DP): Designing for Extreme Conditions: Expanding National Capacity for Plant Biodiversity Research	02/19/2019	5,043,949
Koenig, Lauren	Google/Colorado State University	Predicting Global Water Quality to Enable Decision Making	01/16/2019	109,610
Lawrence, Beth A	DOC/NOAA/National Oceanic and Atmospheric Administration	EESLR 2019: Tidal Restriction, Flooding Frequency, and the Trade-Offs Between Protective and Non-Protective Services Under the Sea-Level Rise	02/22/2019	750,000
Lawrence, Beth A	DOE/Department of Energy/DePaul University	The reproduction gap: Connecting experimental warming & elevated CO2 influences on carbon and nutrient allocation to reproduction in boreal conifers with global systems models	03/22/2019	308,993
Li, Baikun	NSF/National Science Foundation	Planning IUCRC University of Connecticut: Center for Soil Dynamics Technologies	02/05/2019	15,000
McCutcheon, Jeffrey R	NSF/National Science Foundation	DMREF: Collaborative Research: Using Data Driven Approaches to Identify New Monomers for Polyamide Membrane Synthesis	02/04/2019	1,400,000
Willig, Michael R	Town of Greenwich, CT	Fate and Transport of Per- and Polyfluorinated Alkyl Substances (PFAS) in Water, Sediment, and Oysters in Greenwich Near-Short Waters of Long Island Sound	02/06/2019	13,954
Institute for Collaboration on Health, Intervention and Policy			25 Proposals	\$21,689,696
Andreyeva, Tatiana	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Improving Nutrition Standards in Early Childhood Education Settings	01/25/2019	50,000
Andreyeva, Tatiana	USDA/Food and Nutrition Service/University of Kentucky, Center for Poverty Research	Food Insecurity in Older Americans: Risk Factors and Health Impacts	01/23/2019	250,000
Andreyeva, Tatiana	World Health Organization	Fiscal and Pricing Policies on Foods and Non-Alcoholic Beverages	02/22/2019	61,100

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Bovay, John	USDA/National Institute of Food and Agriculture/Farm Fresh Rhode Island	Expanding and Improving Farmers Market Incentive Programs in New England	02/19/2019	194,642
Chen, Chi-Ming	DHHS/NIH/National Institutes of Health/Drexel University	Web-Based Screening for Autism in Toddlers	02/21/2019	145,641
Duffy, Valerie B	USDA/Food and Nutrition Service/CT Department of Social Services	School and Family-Based SNAP-Ed	03/12/2019	7,330
Eaton, Lisa A	DHHS/NIH/National Institutes of Health/University of Pittsburgh	Same-Day PrEP Access for Behaviorally Bisexual Black Men: A Novel Community-Based Intervention to Reduce Intersectional Stigma	01/11/2019	59,246
Fein, Deborah A	DHHS/NIH/National Institutes of Health/University of California, Davis	You & Me = We: Improving early social cognitive development in young children with ASD: a pilot randomized clinical trial	01/31/2019	38,051
Fendrich, Michael	DHHS/NIH/National Institutes of Health	Mindful Yoga to Improve MAT Adherence	02/08/2019	4,096,506
Gans-DeLuca, Kim M	DHHS/NIH/National Institutes of Health/Miriam Hospital	Establishing Multi-site Fidelity of an Enhanced Yoga and Novel Nutrition Intervention for Adults with Type 2 Diabetes	01/18/2019	287,147
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Developing a novel approach to assessing intersectional stigma to advance HIV prevention research with Black men who sex with men	01/23/2019	442,750
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Dose Determination Trial for Implementing Evidence-Based Behavioral Interventions	01/03/2019	3,942,153
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Intersectional Stigma Management Intervention to Improve Engagement in HIV Care	01/03/2019	3,985,582
Kalichman, Seth C	DHHS/NIH/National Institutes of Health/University of California, Los Angeles	Effectiveness of a CBT-Based mHealth Intervention Targeting MOUD Retention Adherence and Opioid Use	01/28/2019	166,543
Leahey, Tricia	DHHS/NIH/National Institutes of Health	Using Behavioral Economic Strategies to Address Obesity in Economically Disadvantaged Adults	03/05/2019	4,045,880
Leahey, Tricia	DHHS/NIH/National Institutes of Health/Virginia Commonwealth University	Understand Key Predictors of Variability in Treatment Response among High-Risk Emerging Adults Enrolled in Behavioral Weight Loss	01/23/2019	183,767
McCaffery, Jeanne	DHHS/NIH/National Cancer Institute/Westat	Randomized Controlled Trials of Lifestyle Weight Loss Interventions for Genome-Wide Association Studies	02/22/2019	12,041
McCaffery, Jeanne	DHHS/NIH/National Institutes of Health	Lifestyle intervention and biological aging: The Look AHEAD trial	02/05/2019	1,741,814
Pagoto, Sherry	DHHS/NIH/National Cancer Institute/Rutgers University	Facebook Intervention for Young Onset Melanoma Patients and Families	03/26/2019	89,305
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Klein Buendel	Reaching Parents on HPV Vaccines for Adolescents via a Social Media Campaign	01/29/2019	631,158
Park, Crystal	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	RCT of Yoga to Improve Symptom Control and Quality of Life in Pediatric Cancer Patients in Active Treatment	02/22/2019	815,599
Park, Crystal	Templeton (John) Foundation/Biola University	Christian Meaning-Making, Suffering and the Flourishing Life	01/11/2019	340,565
Schwartz, Marlene B	Partnership for a Healthier America	Evaluation of Commitments Made by Child Care Centers with Partnership for a Healthier America	01/31/2019	41,415
Schwartz, Marlene B	USDA/Food and Nutrition Service/CT Department of Education	Assessing Connecticut District Policies using the WSCC Model	03/28/2019	49,750
Schwartz, Marlene B	University of California, San Francisco	Expert Committee on Nutrition Standards for Food Banks	03/22/2019	11,711
Institute of Materials Science			22 Proposals	\$8,951,672
Adamson, Douglas	NSF/National Science Foundation	DMREF: Collaborative Research: Computationally Designed Recyclable Nanocomposites	02/04/2019	720,514
Alpay, Pamir	NSF/National Science Foundation/University of Tennessee	DMREF: Collaborative Research: Accelerating High-temperature Energy Materials Discovery via Artificial Intelligence	02/01/2019	320,000
Alpay, Pamir	United Technologies-Collins Aerospace	UTAS Center for Excellence	01/07/2019	150,000
Asandei, Alexandru	American Chemical Society	Metal Mediated Interconversion and Functionalization of Perfluoroalkyl Halides	03/15/2019	110,000

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Cao, Yang	DOD/Navy/Office of Naval Research	Accelerated Co-Designs of High-K Polymer Dielectrics	01/24/2019	465,000
Cao, Yang	DOD/Navy/Office of Naval Research	Large scale quality assurance and longevity testing of high torque density motor insulation	01/18/2019	599,999
Cao, Yang	DOE/Office of Energy Efficiency and Renewable Energy/LC Drives	Light Weight Liquid Cooled Wind Turbine Generator	01/31/2019	168,000
Frame, Lesley	NASA/National Aeronautics and Space Administration/Connecticut Analytical Corporation	Improved Heat Transfer Based on Ionic Liquid Graphene Compositions	03/28/2019	35,000
Gao, Puxian	DOE/Department of Energy	Large Scale Nanostructured Sensor Arrays for Structural Health Monitoring in Advanced Energy Generation Systems	02/28/2019	2,000,000
Gao, Puxian	NASA/National Aeronautics and Space Administration/Advanced Manufacturing	Stannate Nanostructured Films for Space Deep UV Photodetection	03/28/2019	40,000
Gao, Puxian	NSF/National Science Foundation	Multifunctional Nanoarray Adsorbers for Low Temperature Emission Control	01/17/2019	550,000
Hebert, Rainer J	United Technologies-Pratt & Whitney	Experimental Studies of Laser-Powder Interactions for Additive Manufacturing	01/16/2019	30,000
Nieh, Mu-Ping	NSF/National Science Foundation/University of Tennessee	MIP: Deuterium Biomaterials Innovation Network (DBI Net)	01/28/2019	550,000
Ortalan, Volkan	NSF/National Science Foundation	DMREF: Collaborative Research: Accelerated Descriptor-Based Searches of Catalytic Reactivity at Metal/Oxide Interfaces	02/04/2019	420,000
Ortalan, Volkan	NSF/National Science Foundation	Major Research Instrumentation Program: Acquisition of a Direct Detection Camera	01/22/2019	520,435
Santaniello, Sabato	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Functional Stimulation for Neural Regeneration	02/01/2019	550,000
Shahbazmohamadi, Sina	NSF/National Science Foundation	HDR DSC: Data Science Training for the Next Generation Microscopists using a Workflow-Based Cyber-Infrastructure	02/14/2019	1,199,350
Suib, Steven L	DOE/Department of Energy/Giner	Plasma-Aided High Efficiency Carbon Dioxide Conversion	02/21/2019	40,000
Suib, Steven L	DOE/Department of Energy/Physical Sciences	Controlled Porosity and Surface Coatings for Advanced Gas Diffusion Layers	01/24/2019	181,674
Suib, Steven L	DOE/Department of Energy/Precision Combustion	Using H2 and CO2 to Produce Liquids	02/15/2019	60,000
Suib, Steven L	United Technologies-Collins Aerospace	UTAS Center of Excellence High Temperature Composites	01/07/2019	200,000
Zhu, Yuanyuan	DOE/Pacific Northwest National Laboratory	Additional Work Scope on Characterization He Effects in ISHI Ferritic Alloys	03/15/2019	41,700
Sea Grant College Program			3 Proposals	\$155,603
Concepcion, Anoushka P	DOC/NOAA/Oceanic and Atmospheric Research	Sea Grant Northeast Regional Lobster Extension Program: Connecticut	02/05/2019	59,994
Deguisse, Sylvain	DOC/NOAA/Oceanic and Atmospheric Research	Improving Management Strategy Evaluation by Parameterizing the Probability of Achieving Recreational Harvest Targets	01/30/2019	80,000
Ebbin, Syma A	DOC/NOAA/National Marine Fisheries Service/Project Oceanology	Rising Waters: The Thames River Resilience Project	02/19/2019	15,609
University of Connecticut - Storrs & Regional			393 Proposals	\$227,654,249
School of Dental Medicine			20 Proposals	\$25,387,879
Dental Medicine Dean			8 Proposals	\$8,109,480
Kuhn, Liisa T	Musculoskeletal Transplant Foundation	A New Quality Measure for Bone Allograft	03/01/2019	200,000
Litt, Mark D	DHHS/NIH/National Institutes of Health	Individualized Assessment and Treatment Program for TMD:Coping as a Mechanism	02/28/2019	3,945,841
Liu, Changchun	DHHS/NIH/Fogarty International Center	Smart Cup: A Mobile Molecular Detection Device for Rapid Diagnosis of Hand Foot and Mouth Disease in China	01/17/2019	201,250

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Liu, Changchun	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	A Reaction-Diffusion-Based Approach for Nucleic Acid Quantification	01/18/2019	235,691
Liu, Changchun	DHHS/NIH/National Institutes of Health	Clinical Validation of Smartphone-based HPV-Related Oral Cancer Screening in Saliva	03/11/2019	492,000
Liu, Changchun	DHHS/NIH/National Institutes of Health/Harvard University	Using human skin grafted mice to identify biomarkers of exposure and study effects of radiation on skin	01/28/2019	435,182
Liu, Changchun	USDA/Department of Agriculture/University of Nevada, Las Vegas	Nanostructure-Enhanced Solution-Phase Nanoplasmonic Biosensing Devices for Rapid Detection of Foodborne Pathogens.	01/09/2019	29,827
Schmidt, Tannin A	DHHS/NIH/National Institutes of Health	Immunomodulatory properties of Proteoglycan 4 (PRG4) at the ocular surface	02/04/2019	2,569,689
Oral Health and Diagnostic Sciences			6 Proposals	\$10,536,009
Chen, I-Ping	DHHS/NIH/National Institutes of Health	Disease activation mechanisms for cherubism	03/18/2019	451,000
Diaz, Patricia I	DHHS/NIH/National Institutes of Health	Mechanism of cell death and inflammation i chemotherapy-induced oral mucositis	03/05/2019	2,648,524
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health	Candida-bacterial interplay in mucosal health and disease	02/05/2019	3,232,947
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health	Oral Epithelial Cells, Candida and PMN Activation	03/05/2019	3,178,538
Dongari-Bagtzoglou, Anna I	DHHS/NIH/National Institutes of Health/University of Connecticut	Engineered, High-throughput, Artificial "Mycologist" for Rapid and Reliable identification of Candida Species and Determination of Its Susceptibility Profiles	01/28/2019	984,000
Nichols, Frank C	DHHS/NIH/National Institutes of Health/Nova Southeastern University	Porphyromonas gingivalis ceramide-mediated pathology in periodontitis	02/15/2019	41,000
Reconstructive Sciences			6 Proposals	\$6,742,390
Doherty, Laura M	American Association for Dental Research	Novel Adult Stem Cells within Murine Molars	01/18/2019	2,700
Kalajzic, Ivo	DHHS/NIH/National Institutes of Health	NPY, bone and bone repair	03/04/2019	1,640,000
Rowe, David W	DHHS/NIH/National Institutes of Health	High Resolution 3D Mapping of Cellular Heterogeneity within Mineralized Tissues	03/14/2019	1,208,510
Uribe, Flavio A	Align Technology	"Accuracy and Reliability of In-vivo Full Arch Scans Made by the iTero Intraoral Scanner."	01/23/2019	50,000
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Modulators of Osteoarthritis of the Temporomandibular and Knee Joints	02/04/2019	3,390,180
Yadav, Sumit	DHHS/NIH/National Institutes of Health	The Role of Cellular Senscence in Degenerative Disorders of TMJ	03/18/2019	451,000
School of Medicine			127 Proposals	\$165,768,288
Academic Affairs and Education			2 Proposals	\$50,828
Henderson, David D	American Medical Association Foundation	AMA Accelerating Change in Medical Education Consortium	02/21/2019	45,000
Thatcher, Christine	Virginia Commonwealth University	Wellness and Academic Excellence through Coaching	02/22/2019	5,828
Calhoun Cardiology Center - CCC			2 Proposals	\$3,203,483
Alessi, Sheila M	DHHS/NIH/National Institutes of Health	Smoking Cessation Treatment Adherence to Improve Long-Term Outcomes Among Smokers	01/08/2019	2,903,483
Yue, Lixia	American Heart Association	The Oxidative Stress Activated TRPM2 is a Master Regulator of Ischemic Stroke	01/23/2019	300,000
Cell Analysis Modeling - CCAM			7 Proposals	\$12,811,250
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	Enabling Analysis of Parameter and Model Uncertainty in Systems Biology.	03/05/2019	1,526,176
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	Reusable Building Blocks (Model Bricks) for Construction and Automated Annotation of Computational Models in Biological Systems.	01/30/2019	1,640,000

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Blinov, Mikhail	NSF/National Science Foundation	NSF Student Travel Grant for 2019 Computational Modeling in Biology Network (COMBINE) Forum	03/08/2019	10,000
Hesselbrock, Victor	DHHS/NIH/National Institutes of Health	UConn Health HPC Facility Data Center	03/04/2019	7,619,599
Loew, Leslie M	DHHS/NIH/National Institute of General Medical Sciences	Mesoscale Spatial Kinetic Modeling of Cell Systems	03/01/2019	1,640,000
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Nerve-Sparing Robot-Assisted Radical Prostatectomy Using Neuromodulation-Based Nerve Localization Preventing Post-Operative Erectile Dysfunction	03/14/2019	73,090
Moraru, Ion I	NSF/National Science Foundation/University of Connecticut	CC*Integration:Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	02/19/2019	302,385
Cell Biology			7 Proposals	\$4,638,748
Egbert, Jeremy R	DHHS/NIH/National Institutes of Health	Gonadotropin-induced calcium signaling in ovarian follicles	03/18/2019	164,000
Egbert, Jeremy R	ImpactAssets	Regulation of Oocyte Meiosis by Calcium Signaling in Mouse Ovarian Follicles	01/14/2019	140,956
Mehlmann, Lisa M	DHHS/NIH/National Institute of Child Health and Human Development	Cytoplasmic Maturation in Mouse Oocytes	03/04/2019	2,050,000
Peluso, John J	DHHS/NIH/National Institutes of Health	Luteal PGRMC1 and PGRMC2 regulate the adult population of primordial follicles in part through a NFB/p65-dependent mechanism	01/29/2019	1,658,392
Ridwan, Sharif M	Childs (Jane Coffin) Memorial Fund for Medical Research	Iodine Nanoparticle-Enhanced Radiation Therapy of Brain Tumors	02/01/2019	168,900
Ridwan, Sharif M	Damon Runyon Cancer Research Foundation	Iodine Nano-particle-Enhanced Radiation Therapy of Brain Tumor	03/15/2019	231,000
Smilowitz, Henry	DHHS/NIH/National Cancer Institute/Nanoprobes	Iodine Nanoparticles to Enhance Radiation and Temozolomide Glioma Therapy	03/15/2019	225,500
Center for Quantitative Medicine			6 Proposals	\$7,374,415
Agresta, Thomas P	DHHS/NIH/National Institutes of Health/University of Connecticut	Efficient Techniques for Healthcare Data Integration and Privacy	02/28/2019	234,422
Dionne, Raymond A	DHHS/NIH/National Institutes of Health	Clinical Effectiveness of an Opioid-Sparing Analgesic Regimen to Minimize Opioid Misuse in Adolescents and Young Girls	02/11/2019	4,448,568
Dionne, Raymond A	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, San Antonio	Preventing Opioid Misuse and the Development of Opioid Use Disorders in Patients Seeking Emergency Dental Treatment	02/28/2019	1,427,991
Laubenbacher, Reinhard C	Health Research	WHSC1 Inhibits the Response to Checkpoint Blockade Therapy in Prostate Cancer	03/28/2019	14,709
Vera-Licona, Martha Paola	DHHS/NIH/National Institutes of Health	Quantitative Identification of Optimal Combinations of Drivers and Targets to Reverse Chemotherapy Resistance	03/05/2019	510,750
Vera-Licona, Martha Paola	DOD/Department of Defense	A Systems Biology Approach to Identify Drivers of Tumor Reversibility in Claudin-Low Triple Negative Breast Cancer	03/28/2019	737,975
Center for Vascular Biology			8 Proposals	\$14,957,611
Claffey, Kevin P	DHHS/NIH/National Cancer Institute	Effective Metabolic Targeting and Co-Stimulation Immunotherapy for Metastatic Breast Cancer	02/19/2019	451,000
Claffey, Kevin P	DOD/Department of Defense	Metabolic Interventions to Improve Immunotherapy in Metastatic Breast Cancer	03/28/2019	677,589
Murphy, Patrick A	American Heart Association	Functional Assessment of Post-Transcriptional Modulation of Endothelial Inflammation by RNA binding Proteins.	01/17/2019	200,000
Murphy, Patrick A	DHHS/NIH/National Institutes of Health	RNA-Binding Proteins in the Regulation of Vascular Inflammation and Immunity	02/05/2019	2,765,572
Rodriguez-Oquendo, Annabelle	DHHS/NIH/National Institutes of Health	LAG3 Immune Checkpoint Deficiency and Cardiovascular Disease Risk	02/05/2019	3,543,515
Shapiro, Linda H	DHHS/NIH/National Heart, Lung, and Blood Institute	CD13-Dependent Mechanisms in Cell Communication	03/14/2019	6,824,118
Shapiro, Linda H	DHHS/NIH/National Institute of Neurological Disorders and Stroke/University of Texas	Role of CD 13 in Ischemic Stroke	02/05/2019	44,817

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Shapiro, Linda H	DHHS/NIH/National Institutes of Health	CD13 in Inherent Mechanisms of Endothelial Cell Communication via Tunneling Nanotubes and Membrane Protrusions	02/19/2019	451,000
Clinical And Translational Science Institute (CTSI)			7 Proposals	\$3,417,567
Kumbar, Sangamesh G	DHHS/NIH/National Institutes of Health	Polysaccharide Scaffold Formulations	02/04/2019	2,050,000
Kuo, Chia-ling	DHHS/NIH/National Institutes of Health	Identifying potentially modifiable exposures to improve telomere health and disease outcomes	02/15/2019	411,970
Laurencin, Cato	DHHS/NIH/National Institutes of Health/Carnegie Mellon University	3D printing functional graphenic materials (FGMs) as intrinsically inductive scaffolds for bone regeneration	02/11/2019	154,977
Laurencin, Cato	DHHS/NIH/National Institutes of Health/University of Connecticut	UConn Postbaccalaureate Research Education Program (PREP)	01/24/2019	0
Laurencin, Cato	Johnson (Robert Wood) Foundation	Roundtable on Black Men and Black Women in Medicine Engineering and Science	01/02/2019	250,000
Lo, Wai Hong	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases	The molecular mechanism of the surface charge of piezoelectric materials for bone regenerative engineering	03/08/2019	464,412
Lo, Wai Hong	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut	Real-Time Measurement of Joint-Loading for Osteoarthritis Study and Treatment	02/08/2019	86,208
Community Medicine and Health Care			2 Proposals	\$587,177
Ha, Toan H	DHHS/NIH/National Cancer Institute	A pilot study of a text messaging-enhanced HIV intervention among young women workers in the industrial zone, Vietnam	03/07/2019	583,177
Lewis, Judy M	Gold (Arnold P.) Foundation for Humanism in Medicine	Understanding the cultural context of Ngäbe beliefs about reproductive health	03/08/2019	4,000
Dermatology			3 Proposals	\$104,500
Lu, Jun	AbbVie	2019 AbbVie Clinical Trials in Dermatology Fellowship Support	01/17/2019	50,000
Lu, Jun	Janssen Biotech	2019 Janssen Clinical Trials in Dermatology Fellowship Support	01/17/2019	50,000
Whitaker-Worth, Diane L	American Academy of Dermatology	2019 AAD Residents Travel and Housing Assistance Program	01/24/2019	4,500
Diagnostic Imaging and Therapeutics			1 Proposals	\$123,749
Yang, Clifford K	DOD/Department of Defense/University of Connecticut	Knowledge Powered Deep Learning for Precise Mammographic Breast Cancer Detection	03/22/2019	123,749
Genetics and Genomics			5 Proposals	\$6,226,330
Beck, Christine R	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Comprehensive Reference Genomes	03/26/2019	116,680
Cotney, Justin L	DHHS/NIH/National Institute on Deafness and Other Communication Disorders	Integrated multi-omics analyses of early mammalian craniofacial development	03/11/2019	328,000
Cotney, Justin L	Shriners Hospital for Children - Boston	Molecular Pathogenesis of Complex Frontonasal Facial Clefts	02/28/2019	45,000
Mayer, Bruce J	DHHS/NIH/National Institutes of Health	Integrating Computational Modeling and tyrosine phosphoproteomics	02/05/2019	3,237,609
Pinter, Stefan F	DHHS/NIH/National Institutes of Health	Combinatorial Gene Dosage Correction in Down Syndrome hiPSC's and the Ts65Dn model	03/14/2019	2,499,041
Health Career Opportunity Programs			1 Proposals	\$2,867,349
Hurley, Marja	DHHS/NIH/National Institutes of Health	Anabolic Factors for Bone Repair in Mice	01/30/2019	2,867,349
Health Disparities Institute			2 Proposals	\$719,376
Coman, Emil N	DHHS/NIH/National Institute on Drug Abuse	Empowering community-invested researchers with practical statistical skills to increase the evidential power of substance used data	01/24/2019	644,376

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Powell, Wisdom A	Connecticut Health and Educational Facilities Authority (CHEFA)	CT Policy Map Initiative: Building Community Capacity to Map from Evidence to Action	03/01/2019	75,000
Immunology			10 Proposals	\$10,388,274
Adler, Adam J	DHHS/NIH/National Institutes of Health	The Basis of Antigen-Nonlinked CD4 T Cell Help	02/05/2019	2,050,000
Brocke, Stefan	DHHS/NIH/National Institutes of Health/University of Kansas	Design of Peptide-Protein Conjugates for EAE	01/18/2019	250,000
Brocke, Stefan	National Multiple Sclerosis Society/University of Kansas	Non-Invasive Brain Delivery of BDNF for Remyelination in Animal Models of MS	02/07/2019	75,000
Karuppannan Rathinam, Vijay	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Host-Derived Extracellular Vesicles in Inflammatory Caspase Activation	02/05/2019	2,050,000
Vella, Anthony T	DHHS/NIH/National Institute of Allergy and Infectious Diseases	A Mechanism of T-Cell Induced Acute Lung Injury	02/28/2019	2,314,141
Vella, Anthony T	DOD/Department of Defense	Metabolic Interventions to Improve Immunotherapy in Metastatic Breast Cancer	03/27/2019	552,411
Wang, Kepeng	DHHS/NIH/National Institutes of Health	IL-17 Direct Signaling on Treg Cells in Inflammatory Bowel Diseases	02/05/2019	2,050,000
Wang, Penghua	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Early Life Dynamics of Intestinal Microbiome Shape Intestinal Cell-Intrinsic Innate Anti-Viral Immunity	02/11/2019	451,000
Zhou, Beiyan	American Heart Association	Regulation of CVD risk in Obesity: The role of ATB miR-150 in adipose tissue inflammation	01/22/2019	300,000
Zhou, Beiyan	DHHS/NIH/National Institutes of Health/Texas A&M Research Foundation	Mechanistic Links Between MicroRNA-150 and Pathogenesis of Diabetic Retinopathy	02/05/2019	295,722
Medicine			14 Proposals	\$7,146,568
Dieckhaus, Kevin D	Jackson Laboratory	Staphylococcus Epidermidis Strain Biodiversity and Transmission in Skin-Catheter Infections	03/07/2019	44,156
Dugan, Alicia G	DHHS/CDC/National Institute for Occupational Safety and Health	Surviving at Work: Reducing Workplace and Clinical Barriers to Cancer Survivors Returning to Work	03/12/2019	324,000
Garza, Jennifer L	DHHS/CDC/National Institute for Occupational Safety and Health/Harvard School of Public Health	Evaluating the feasibility of using a Fitbit to assess work activity exposure	02/22/2019	8,089
Kim, In Soo	/NSF/National Science Foundation	Collaborative Research: FW-HTF-RM: An intelligent relational tracking system for augmenting social skills during face-to-face collaborative decision making and creative problem solving.	03/06/2019	319,464
Kim, In Soo	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Intracranial Pressure Sensor Based Solely on Medical Biomaterials	01/31/2019	205,268
Lorenzo, Joseph	DHHS/NIH/National Institutes of Health	Parmodulins as an Anti-Resorptive and Anti-Inflammatory Therapy for Metabolic Bone Disease	02/19/2019	451,000
Mead, Erin L	DHHS/NIH/National Institutes of Health	Effects of Reduced Nicotine Content Cigarettes on Tobacco Use Behaviors and Toxicants Exposure Among Poly-Tobacco Users.	02/08/2019	451,000
Metersky, Mark L	DHHS/FDA/Food and Drug Administration/Oregon Health and Science University	Development and Testing/Psychometric Evaluation of a Patient-reported Outcomes Measure for Non-CF Bronchiectasis	03/18/2019	129,731
Metersky, Mark L	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, Houston	Lung Stem Cell Heterogeneity in Advanced Cystic Fibrosis	01/11/2019	196,800
Torti, Frank M	DHHS/NIH/National Cancer Institute	Targeting Sideroflexin 4, a mitochondrial inner membrane protein involved in iron sulfur cluster biogenesis, to enhance the efficacy of DNA..	03/05/2019	2,050,000
Torti, Frank M	DOD/Department of Defense	Sideroflexin 4 in Breast Cancer	03/28/2019	738,000
Wang, Yanlin	VA/Connecticut Healthcare System	New Proposal Created for Malgorzata A Machaj on 04-Mar-2019 11:01:32 AM	03/07/2019	74,147
Xiao, Liping	DHHS/NIH/National Institutes of Health	Gut Microbiota Regulate Bone Loss in Sickle Cell Disease Mice	03/04/2019	2,088,516
Zhou, Yanjiao	DHHS/NIH/National Institutes of Health/Brigham and Women's Hospital	Milk Microbiome Project	02/08/2019	66,397

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Molecular Biology & Biophysics			4 Proposals	\$39,379,925
Hao, Bing	DHHS/NIH/National Institutes of Health	Substrate Targeting Mechanism of a DesCEND Pathway	02/05/2019	3,531,156
Hoch, Jeffrey C	DHHS/NIH/National Institute of General Medical Sciences	Center for Biomolecular NMR Data Processing and Analysis	01/25/2019	6,955,820
Hoch, Jeffrey C	NSF/National Science Foundation	Mid-scale RI-2 Consortium: Network for Advanced NMR	03/11/2019	28,842,952
Setlow, Peter	UltraViolet Devices (UVDI)	Mechanisms of Bacterial and Bacterial Spore Killing by and Resistance to 222 nm UV Radiation	01/14/2019	49,997
NEAG Cancer Center (SOM)			7 Proposals	\$6,200,924
Das, Asis	DHHS/NIH/National Institutes of Health/University of Texas Health Science Center, Houston	Mechanism and regulation of Polymicrobial Interactions governed by fusbacterium	03/15/2019	134,017
Hansen, Marc F	DHHS/NIH/National Institutes of Health	Malignant Transformation of a Persistent Stem Cell Population: Neural Crest Stem Cells and Craniofacial Osteosarcoma.	02/26/2019	164,000
Heinen, Christopher D	Burroughs Wellcome Fund	The UConn Health Writing Program for Biomedical Science Trainees	03/07/2019	30,571
Heinen, Christopher D	DHHS/NIH/National Cancer Institute	Saturation Genome Editing Approach to Functionality Test All Possible MSH2 Variants	02/20/2019	451,000
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	Stem Cell Models to Test Mismatch Repair Gene Variants of Uncertain Significance	02/05/2019	2,050,000
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	The selective advantages of mismatch repair loss in colonic stem cells.	02/05/2019	2,920,336
Nakanishi, Masako	DHHS/NIH/National Cancer Institute	Tumor-specific activation of gene expression by SCD3 locus	02/19/2019	451,000
Neuroscience			9 Proposals	\$10,958,590
Bae, Byoung-II	Brain and Behavior Research Foundation	Neurogenesis in Autism Spectrum Disorder	03/19/2019	70,000
Bae, Byoung-II	New York Stem Cell Foundation	Centrosomal Regulation of Neurogenesis in Microcephaly and Autism	02/22/2019	1,500,000
Bae, Byoung-II	New York Stem Cell Foundation	Centrosomal Regulation of Neurogenesis in Microcephaly and Autism	02/22/2019	1,500,000
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Receptor mediated effects of TIMP-1 in the regulations of afferent function.	01/30/2019	925,069
Guzzo, Rosaria	DHHS/NIH/National Institutes of Health	Epigenic Control of Chondrogenic Differentiation and Skeletal Growth by DotLH3K79 methyl	03/05/2019	2,050,000
Levine, Eric S	DHHS/NIH/National Institutes of Health	Regulation of Synaptic Plasticity by BDNF-Endocannabinoid Interaction	03/19/2019	3,547,821
Mohan, Royce	DHHS/NIH/National Institutes of Health	Defining Corneal Schwann Cells in Injury	02/19/2019	451,000
Verma, Rajkumar	DHHS/NIH/National Institutes of Health	Next generation gamma Peptide Nucleic Acids (γPNAs) for treatment of ischemic stroke	02/19/2019	463,700
Verma, Rajkumar	DHHS/NIH/National Institutes of Health	P2x4-Annexin A1 axis in phagocytic clearance after ischemic stroke	02/19/2019	451,000
Obstetrics and Gynecology			1 Proposals	\$55,416
Scott, Dana M	DHHS/NIH/National Institute of Nursing Research/University of Connecticut	Promoting Self-Management of Breast and Nipple Pain with Biomarkers and Technology (PROMPT) in Breastfeeding Women	01/28/2019	55,416
Orthopaedic Surgery			4 Proposals	\$3,699,598
Canalis, Ernesto	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Mechanisms of Notch Action in Bone	02/27/2019	2,050,000
Canalis, Ernesto	DHHS/NIH/National Institutes of Health	Targeting the Notch3 mutation to cure Lehman Syndrome	03/26/2019	1,225,446
Coyner, Katherine J	Arthrex	Effects of Increasing Meniscal Extrusion on Tibiofemoral Contact Pressures	02/26/2019	8,757

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Kumbar, Sangamesh G	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Scaffolds for Osteochondral Tissue Engineering	01/28/2019	415,395
Pediatrics			2 Proposals	\$321,147
Rosenkrantz, Ted S	DHHS/NIH/National Institutes of Health/University of Connecticut	Therapeutic Cooling and Caffeine for Brain Injury of Prematurity	02/01/2019	250,822
Schramm, Craig M	DHHS/NIH/National Institutes of Health/University of Connecticut	Development of Novel Surfactant-DNA Conjugate Nanoparticles for Targeted Therapeutic Regulation of Proinflammatory Genes	02/01/2019	70,325
Psychiatry			11 Proposals	\$20,317,248
Bauer, Lance O	DHHS/NIH/National Institute on Alcohol Abuse and Alcoholism	Alcohol and Stress: Interventions and Mechanisms	02/27/2019	9,422,684
Briggs-Gowan, Margaret J	DHHS/NIH/National Institutes of Health	UConn Healthy Brain and Child Development (BCD) Program	03/25/2019	584,184
Bruder, Mary E	DHHS/CDC/Centers for Disease Control and Prevention/Association of University Centers on Disability (AUCD)	Act Early Ambassadors: State or Territorial Liaisons to CDC's "Learn the Signs, Act Early" Program	01/18/2019	8,000
Grasso, Damion J	CT Judicial Branch/Connecticut Children's Medical Center	Research, Evaluation, and Implementation of the DVSI-R	02/11/2019	34,935
Grasso, Damion J	DOJ/Department of Justice/Connecticut Children's Medical Center	A Comprehensive Approach to Early Detection, Referral, and Linkage for Children Exposed to Family Violence	02/18/2019	71,013
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health	Abstinence Vs. Harm Reduction in Youth with Cannabis Use Disorders: Does Matching Matter	02/04/2019	3,694,439
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health	Stepped-Care Approach to Comorbid AOSUD and Depressive Symptoms in Youth	02/05/2019	3,798,063
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health/Duke University	Treatment for Teens with Alcohol Abuse and Depression (T-TAAD)	03/04/2019	44,885
Kaminer, Yifrah	DHHS/NIH/National Institutes of Health/Massachusetts General Hospital	Enhancing Youth Alcohol Use Disorder Recovery Testing the Efficacy, Mechanisms and Moderators of Integrated Twelve-Step Facilitation (TSF)	01/25/2019	2,195,516
Wang, Lihong	DHHS/NIH/National Institutes of Health	A Neural Study of the Maturational Shift in Emotion Regulation in Healthy Aging and Depression	02/15/2019	451,000
Wang, Lihong	Oak Foundation/University of Connecticut	Assessing the impact of mentoring on students with learning differences	01/28/2019	12,529
Surgery			4 Proposals	\$291,968
Choudhary, Dharamainder	DHHS/NIH/National Institutes of Health/University of Connecticut	Single Cell Detection of Oral Cancer Metastasis in Lymph Nodes	01/22/2019	149,366
Kreutzer, Donald L	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Cell and Molecular Tissue Engineering	Development and Validation of Novel Coatings that Extend Glucose Sensor Accuracy and Lifespan in Vivo	03/19/2019	49,999
Kreutzer, Donald L	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Cell and Molecular Tissue Engineering	Extending the Functional Lifespan of Continuous Subcutaneous Insulin Infusion (CSII) in Vivo	03/19/2019	49,999
Maulik, Nilanjana	DHHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Connecticut	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	01/24/2019	42,604
Traumatology and Emergency Medicine			1 Proposals	\$13,124
London, Shawn R	Emergency Medicine Foundation	Emergency Medicine Education Research Grant	02/28/2019	13,124
UConn Center on Aging			7 Proposals	\$9,913,123
Bartley, Jenna	American Federation for Aging Research	The Effect of Metformin on Influenza Vaccine Responses and T Cell Function in the Elderly	01/08/2019	93,190

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Bartley, Jenna	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Bioscience Core-Network Topology of Metabolism, Microbiome and Immune System in Association With Clinical Manifestations of Aging	01/23/2019	207,740
Haynes, Laura	DHHS/NIH/National Institutes of Health	Can Senescent Cells Influence the Immune Response to Influenza Infection?	03/27/2019	451,000
Kuchel, George A	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Immune-Microbiome-Clinical Interactome in Longitudinal Studies of Human Aging- Project 1	01/25/2019	5,697,763
Kuchel, George A	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Network Topology of Metabolism, Microbiome and Immune System in Association with Clinical Manifestations of Aging-Admin Core	02/01/2019	110,390
Xu, Ming	AI Therapeutics	Test Senolytic Activity of LAM-002 and LAM-003	02/19/2019	16,313
Xu, Ming	DHHS/NIH/National Institutes of Health/Rush University Medical Center	Models of Immune-Microbiome Interactome During Aging in Mice and 3-D Gut Tissue-Project 5	01/23/2019	3,336,727
Other UConn Health			3 Proposals	\$497,155
Other UConn Health			3 Proposals	\$497,155
Andemariam, Biree	DHHS/HRSA/Health Resources and Services Administration/Mount Sinai School of Medicine	Regional Hemophilia Network	03/29/2019	20,672
Liu, Ping	DHHS/NIH/National Institutes of Health	A novel regulator of KCNQ potassium channel	02/14/2019	472,935
Mazzocca, Augustus D	Johnson & Johnson	Schmidberg DuPuy Synthesis Tuition Travel Grant: AO Trauma Advanced Principles-Brian Schmidtberg Travel Grant: 326476	02/27/2019	3,548
University of Connecticut Health			150 Proposals	\$191,653,322
Grand Total			543 Proposals	\$419,307,571