



Quarterly List of Sponsored Program Services Proposals

Second Quarter FY2016

Office of the Vice President for Research

Quarterly List of Sponsored Program Services Proposals

This report provides a detailed listing of the proposals submitted during the reporting quarter. The report includes all sponsored program activity (both research and non-research) that is managed by Sponsored Program Services within the Office of the Vice President for Research.

The report includes two lists of proposals: 1) by the PI's Academic Home Department; and 2) by the Managing Department or Center/Institute.

This report includes all proposals submitted in the reporting quarter, based on the date a proposal was submitted to the sponsor and lists the total amount of requested funding for the entire project.

The proposals listed reflect the current status of data in the InfoEd research administration system as of the date the report was created. Some information related to recently submitted proposals may be incomplete while the data entry process is underway.

Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
College of Agriculture, Health and Natural Resources			47 Proposals	\$24,591,010
Agricultural and Resource Economics			2 Proposals	\$3,733,257
Dunn, Richard A	PHS/NIH/National Institute on Alcohol Abuse and Alcoholism	New Estimates of the Prevalence and Risk of Drinking and Driving in the United States Using the Fatality Analysis Reporting System	10/23/2015	1,933,257
Swallow, Stephen K	NSF/National Science Foundation	CNH-L: Ecosystem Service Values, Human Behavior, and Natural Forces as Dynamic Drivers of Coastal Change: Adaption Choices, Incentives, Feedbacks and Resilience	11/16/2015	1,800,000
Allied Health Sciences			4 Proposals	\$5,895,953
Lai, Laijun	Connecticut Innovations, Inc	Generation of Hematopoietic Stem Cells (HSCs) from Human ESC-Derived or Adult HSC Precursors	12/02/2015	750,000
Lai, Laijun	Connecticut Innovations, Inc	Treating T Cell Immunodeficiency in DiGeorge Syndrome by ESC- and iPSC-Derived Thymic Epithelial Cells	12/02/2015	750,000
Leahey, Tricia M	PHS/National Institutes of Health	Peer Support to Promote Weight Loss Maintenance	11/25/2015	3,723,338
Duffy, Valerie B	USDA/Food and Nutrition Service/CT Department of Social Services	UConn School and Family-Based Nutrition Education - SNAP-ED	10/01/2015	672,615
Animal Science			3 Proposals	\$117,618
Tian, Xiuchun C	USDA/Agricultural Research Service	Improving Cloning Efficiency	10/01/2015	101,915
D'Amico, Dennis	Walker (George) Milk Research Fund	Efficacy of Protective Cultures to Control Listeria Monocytogenes in Milk and Cheese	11/05/2015	15,703
Venkitanarayanan, Kumar S	USDA/National Institute of Food and Agriculture	Natural and Environment Friendly Interventions for Improving the Microbiological Safety of Cucumbers and Tomatoes in the Farm to Retail Continuum	12/02/2015	
Extension			6 Proposals	\$1,045,750
Dietz, Michael E	CT Department of Energy and Environmental Protection	Education and Outreach Support for the Connecticut MS4 General Permit	12/09/2015	
Martin, Jennifer L	USDA/National Institute of Food and Agriculture/University of Delaware	Farmland Access and Building Equity on Leased Land in Connecticut	11/12/2015	40,794
Welch, Mary E	USDA/National Institute of Food and Agriculture/University of Missouri	2015 Connecticut Healthy Homes - Social Media	10/06/2015	18,000
Worthley, Thomas E	CT Department of Energy and Environmental Protection/USDA/Forest Service	Local Forest Stewardship Partnerships	10/08/2015	238,784
Martin, Jennifer L	USDA/National Institute of Food and Agriculture	CT Grown for All: Farm-to-City Innovations and a Statewide Strategy for Nutrition Incentive Program Expansion	12/11/2015	746,172
Griffiths-Smith, Faye I	Consumer Federation of America	Connecticut Saves Week 2016 Campaign	11/18/2015	2,000
Kinesiology			2 Proposals	\$26,005
Taylor, Beth	Alzheimer's Association	The Impact of APOE Genotype and Exercise Training on Cognition in Women	12/10/2015	
Lepley, Lindsey K	PHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Michigan	Combination of NMES and Eccentric Exercise After ACL Reconstruction to Promote Muscle and Joint Health	10/19/2015	26,005
Natural Resources and the Environment			10 Proposals	\$5,258,376
Volin, John	NSF/EHR/Directorate for Education and Human Resources	Promoting Lifelong STEM Learning through a Focus on Conversation, Geospatial Technology and Community Engagement	10/30/2015	2,998,356

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Fahey, Robert T	USDA/Forest Service/Morton Arboretum	Planning for Equitable Urban Landscapes: Identifying Communities Underserved by Urban Forest Green Infrastructure, Assessing Future Risks, and Optimizing Management Strategies	11/03/2015	126,538
Rittenhouse, Tracy	CT Department of Energy and Environmental Protection	Genetic Mark-Recapture Population Estimate for Black Bears in CT	10/07/2015	8,400
Morzillo, Anita	USDA/Forest Service/CT Department of Energy and Environmental Protection	A "Stormwise Community" Initiative to Promote Roadside Forest Management at the Landscape Scale	10/05/2015	233,708
McKinney, Melissa A	NSF/National Science Foundation	Feeding Ecology of the Oceans' Top Predator in Newly Invaded Arctic Ecosystems	10/14/2015	470,983
Clausen, John	USDA/Natural Resources Conservation Service	Path to Reduce Pathogens in CT Agricultural Runoff	11/02/2015	904,503
McKinney, Melissa A	DOI/US Geological Survey	Polar Bears from the Southern Beaufort Sea	12/22/2015	14,688
Helton, Ashley M	Wetland Foundation	The Effects of Road Salts on Denitrification in Ephemeral Wetlands	12/18/2015	
Helton, Ashley M	Wetland Foundation	Effects of Salinity and Metals on Denitrification Across Coastal Wetlands in Urban Landscapes	12/18/2015	1,200
Morzillo, Anita	NSF/National Science Foundation	CNH-S: Humans, Stormwater, and Climate: Integrating Biophysical and Socio-Political Dimensions into Urban Drainage Networks	11/13/2015	500,000
Nutritional Sciences			5 Proposals	\$1,464,064
Mobley, Amy R	Sabra Dipping Company	Feasibility and Benefits of Implementing Hummus in the Diet of Toddlers	10/01/2015	416,019
Mobley, Amy R	Sabra Dipping Company	A Pilot Feasibility Study to Determine the Benefits of Implementing Hummus in the Diets of Toddlers	10/01/2015	176,844
Rodriguez, Nancy R	National Cattlemen's Beef Association	The Role of Beef in Optimal Protein and Feeding Strategies to Accelerate Recovery of Muscle Mass and Function Following ACL Repair	10/05/2015	204,041
Blesso, Christopher N	PHS/National Institutes of Health	Milk Sphingomyelin as a Modifier of the Gut-Liver Axis for Prevention of NAFLD	10/07/2015	419,652
Kohan, Alison	Connecticut Innovations, Inc	Using Primary Human Intestinal Organoids to Determine How SNPs in Apolipoprotein C-111 Link the Intestine with Cardiovascular Disease Risk	12/09/2015	247,508
Pathobiology			10 Proposals	\$6,526,618
Zhou, Xiaohui	PHS/National Institutes of Health	Mechanism and Significance of Muricholic Acid-Mediated T3SS2 Inhibition in <i>V. Parahaemolyticus</i> Virulence	10/08/2015	414,702
Szczepanek, Steven	PHS/National Institutes of Health	Understanding the Mechanistic Role of IL-17 and Eosinophils in Mycoplasma Pneumoniae Vaccine-Induced Disease Exacerbation	10/05/2015	434,500
Levin, Milton J	DOC/NOAA/National Marine Fisheries Service	Establishing Serum Cytokine Reference Intervals for Harbor Seals (<i>Phoca Vitulina</i>)	10/01/2015	100,000
Szczepanek, Steven	Morris Animal Foundation	Drug Resistance Patterns of Fungal Pathogens that Cause Snake Fungal Disease and Phaeoophomycosis	10/20/2015	98,469
Geary, Steven J	NSF/National Science Foundation	The Impact of Co-Infection on Pathogen Transmission Dynamics at the Wildlife-Domestic Animal Interface	11/10/2015	2,499,995
Levin, Milton J	Morris Animal Foundation	Development of Serum Cytokine References Interval Values for Harbor Seals (<i>Phoca Vitulina</i>): A New Diagnostic Tool	11/11/2015	95,041
Smyth, Joan	PHS/DHHS/Food and Drug Administration	Connecticut Veterinary Medical Diagnostic Laboratory	11/18/2015	21,500
Levin, Milton J	DOC/NOAA/National Marine Fisheries Service/University of Alaska	Adverse Effects of Contaminants in Steller Sea Lions: Immune and Oxidative Stress Status	12/08/2015	18,617
Geary, Steven J	DOD/Defense Threat Reduction Agency	Investigating the Essential Role of Host Cyclophilin and Complementing Proteins in Poxvirus Replication	12/03/2015	2,641,790

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Levin, Milton J	DOC/NOAA/National Marine Fisheries Service/Alaska Department of Fish and Game	Are Contaminants Concentrations in Young Steller Sea Lions in the Western Aleutian Islands Associated with Altered Endocrine and Immune Systems?	12/17/2015	202,004
Plant Science and Landscape Architecture			5 Proposals	\$523,369
Brand, Mark H	University of Vermont	Harnessing the Green Industry to Enhance Pollinator Landscape Habitat	10/01/2015	195,331
Chiriboga, Christian A	USDA/National Institute of Food and Agriculture/Cornell University	Educating the Next Generation of IPM Nursery/Greenhouse Professionals in a Changing Climate	11/17/2015	50,000
Brand, Mark H	USDA/Agricultural Marketing Service/University of Nebraska	Toward Developing the Under-Utilized Aronia Berry as a Value-Added Crop	12/04/2015	149,737
Henderson, Jason	New England Regional Turfgrass Foundation	Overseeding Strategies for Non-Irrigated, Pesticide-Free Athletic Fields	12/23/2015	60,585
Concklin, Mary	USDA/Agricultural Marketing Service/University of Vermont	Web-Enhanced IPM Decision Support for New England Tree Fruit	11/30/2015	67,716
College of Liberal Arts and Sciences			141 Proposals	\$77,398,401
Anthropology			1 Proposals	\$32,468
Batchvarov, Kroum N	EEF Expeditions/University of Southampton	Black Sea Project	12/14/2015	32,468
Chemistry			32 Proposals	\$10,889,890
Basu, Ashis K	PHS/National Institutes of Health/Johns Hopkins University	Biochemical Studies on Fapy*dG With Eukaryotic Enzymes and in Mammalian Cells	12/24/2015	463,414
Peczuh, Mark W	PHS/National Institutes of Health	A Post-Glycosylation Diversification Strategy to Develop Inhibitors of Protein Synthesis	10/01/2015	414,703
Rouge, Jessica	American Asthma Foundation	Hybrid Nucleic Acid Nanocapsules for the Targeted Delivery of a GATA-3 Specific DNazymes and Anti-Inflammatory Agents to Bronchial Epithelial Cells	11/30/2015	
Suib, Steven L	CT Department of Energy and Environmental Protection/Fraunhofer	Phase III - Production of High Surface Metal Area Metal Sulfide Materials - Fh - State	12/17/2015	50,000
Suib, Steven L	Fraunhofer	Phase III - Production of High Surface Metal Area Metal Sulfide Materials - Fh CEI	11/13/2015	50,000
Suib, Steven L	Fraunhofer	Phase III - Absorption of Sulfur and Nitrogen Impurities - Fh CEI	11/13/2015	50,000
Suib, Steven L	CT Department of Energy and Environmental Protection/Fraunhofer	Phase III - Production of Membranes	11/23/2015	52,500
Suib, Steven L	Fraunhofer	Phase III - Production of Membranes	11/23/2015	0
Suib, Steven L	Fraunhofer	Phase III - Production of Membranes	11/13/2015	52,500
Suib, Steven L	Fraunhofer	Phase III - Scale-Up of Battery Materials - Fh CEI	11/13/2015	50,000
Wang, Lei	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	CSR: Small: Resource-constrained Signal Reconstruction for IoT Applications	11/12/2015	499,852
Angeles-Boza, Alfredo M	DOC/National Oceanic and Atmospheric Administration	Role of Metal Ions in the Immune System of the Tunicates Styela Clava and Styela Plicata	11/09/2015	4,756
Adamson, Douglas	NSF/National Science Foundation	Collaborative Research: Polymeric Bottle Brush Brushes for Ultra Low Friction Surfaces	10/30/2015	328,871
Angeles-Boza, Alfredo M	Lyme Disease Association	Combating the Lyme Disease Spirochaete with Oxidizing Agents	10/30/2015	9,161
Seery, Thomas A	NSF/National Science Foundation	Crosslinking Effects on Interpenetration in Polymer Multilayers	10/30/2015	283,920
He, Jie	NSF/MPS/Directorate for Mathematics and Physical Sciences	Thermodynamics and Kinetics of Tadpole Micelle Self-Assembly: Experiment and Computer Simulations	10/30/2015	408,336

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Pinkhassik, Evgueni	NSF/National Science Foundation	Functional Devices Made with Porous Hollow Nanocapsules	10/29/2015	644,316
Zhao, Jing	NSF/National Science Foundation	OP: CDS&E: Collaborative Research: Reexamining the Electromagnetic Mechanism for the Surface Enhanced Raman Scattering	10/26/2015	149,983
Rusling, James F	PHS/National Institutes of Health	Automated, 3D-Printed Immunoarrays for Ultrasensitive Detection of Cancer Biomarker Proteins	10/21/2015	2,512,073
Angeles-Boza, Alfredo M	NSF/National Science Foundation	Molecular Origin of the Synergistic Effects Between Invertebrate Antimicrobial Peptides	10/20/2015	336,801
Zhao, Jing	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: Plasmonic Properties of Bimetallic Nanoparticles and the Influence of Surface and Internal Structures	10/19/2015	299,902
Rouge, Jessica	American Chemical Society/Petroleum Research Fund	Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons by a Biomimetic RNA-TiO2 Nanoparticle Conjugate	10/16/2015	110,000
Kumar, Challa V	NSF/National Science Foundation	Rational Design of Microfluidics-enabled Large-scale Synthesis of Polymer-wrapped Enzyme Nanoparticles (PENs) with High Stability and High Activity	10/15/2015	450,000
He, Jie	NSF/National Science Foundation	Designing Nanostructures of Mesoporous Transition Metal Oxide/Nob Plasmon-Enhanced Solar Water Splitting	10/15/2015	480,000
Suib, Steven L	General Electric Company	Conductive Ceramic Coatings	10/14/2015	100,000
Zhao, Jing	NSF/National Science Foundation	Novel Lateral Flow Fluorescence Biosensing Platform	10/12/2015	301,492
Cady, Clyde	CT Department of Education	Chemistry Next Generation Science Standards Development in Connecticut	10/08/2015	377,432
Kumar, Challa V	NSF/MPS/Directorate for Mathematics and Physical Sciences	Bioactive Graphene-Enabled Materials: Quantitation of Interactions	10/07/2015	419,875
Rusling, James F	Connecticut Innovations, Inc	Integrated 3D-Printed Microarray Spotter for Protein-Based Cancer Diagnostics'	10/06/2015	30,000
Kasi, Rajeswari	PHS/National Institutes of Health/Yale University	PFI: AIR-TT: Prototype Fabrication and Assessment of Next Generation Nanofiltration Membranes with Aligned and Stimuli Responsive Nanopores	10/02/2015	50,000
Howell, Amy R	PHS/National Institutes of Health/University of California at Davis	Streamlined Preparation of Glycolipids: New Synthetic Methods and Flow Chemistry as an Enabling Technology	10/02/2015	1,660,003
Suib, Steven L	FEI	FEI Research Center Scholarships	12/18/2015	250,000
Ecology and Evolutionary Biology			6 Proposals	\$313,022
Bagchi, Robert	NSF/National Science Foundation	Preliminary Proposal: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	12/23/2015	
Bagchi, Robert	NSF/National Science Foundation	Preliminary Proposal: NSFDEB-NERC: Shared Soil-Borne Pathogens and Indirect Interactions Among Plant Species Along a Precipitation Gradient	12/23/2015	
Yarish, Charles	DOE/Department of Energy/University of California, San Diego	High-Yield Seaweed Spray Culture in Greenhouses for Direct-to-Liquid Fuel Using IH2 and Industrial Flue Gas CO2	11/02/2015	199,243
Wegrzyn, Jill L	USDA/Department of Agriculture/North Carolina State University	Towards Genomic Breeding in Forest Trees	10/06/2015	30,436
Yarish, Charles	NSF/BIO/Directorate for Biological Sciences	Dissertation Research: Resolving the Population Genetic Structure of a Phenotypically Plastic Kelp (Laminariales); The Drive to Survive in Extreme Intertidal Habitats	10/06/2015	20,540
Yarish, Charles	DOC/NOAA/National Marine Fisheries Service/Earth Protect	Aquaculture and Ecosystems, Developing a Functional and Sustainable Tropical Marine Aquaculture System	10/06/2015	62,803
Economics			2 Proposals	\$51,572
Ross, Stephen L	CT Department of Education	Demand Analysis of School Choice in the Hartford School District	11/13/2015	1,572

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Ross, Stephen L	PHS/National Institutes of Health/University of CT Health Center	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UConn-SAM)	11/02/2015	50,000
English			1 Proposals	\$32,120
King'oo, Clare C	NEH/National Endowment for the Humanities/James Madison University	The Independent Works of William Tyndale	11/18/2015	32,120
Geography			1 Proposals	\$27,500
Jolly-Ballantine, John A	National Geographic Society Education Foundation	The Connecticut Geographic Alliance Annual Grant	11/09/2015	27,500
Human Development and Family Studies			5 Proposals	\$4,957,459
Eaton, Lisa A	PHS/National Institutes of Health	Novel Stigma/Structural Interventions for Increasing HIV/STI Testing Among BMSM	12/22/2015	3,975,340
Russell, Beth S	NSF/National Science Foundation/CT Childrens Medical Center	RA Position for Emily Simpson with CCMC	12/17/2015	49,926
Russell, Beth S	PHS/National Institutes of Health	Promoting Emotion Regulation in Substance Abusing Adolescents	10/01/2015	164,410
Halgunseth, Linda	New York Community Trust/Fahs-Beck Fund	Parenting Risk and Protective Factors of Childhood Obesity in Latino Families	10/20/2015	20,000
Gans-Deluca, Kim	PHS/NIH/National Heart, Lung, and Blood Institute	Increasing Physical Activity in Latino Men Through Tailoring: Hombres Saludables	11/09/2015	747,783
Integrative Geoscience			1 Proposals	\$43,489
Steinen, Randolph P	DOI/US Geological Survey/CT Department of Energy and Environmental Protection	Bedrock Geologic Map of the Wallingford Quadrangle, Connecticut	11/05/2015	43,489
Marine Sciences			16 Proposals	\$5,874,755
Cabaniss, Joseph T	DOD/Navy/MAR Range Services	Charter of R/V CT MAR ROV Operations in Mid-Atlantic Bight	10/09/2015	57,344
Bucklin, Ann	NSF/National Science Foundation	Collaborative Research: Arctic and Sub-Arctic Habitat Use by the Copepods Calunas Glacialis and C. Finmarchicus - Physiological Niches in a Changing Ocean	10/14/2015	418,844
Lund, David	NSF/National Science Foundation	Collaborative Research: Upper Ocean Carbon Isotope Anomalies During Heinrich Stadial 1 - Testing the Biological Pump Hypothesis	10/08/2015	299,993
Mason, Robert	NSF/MPS/Directorate for Mathematics and Physical Sciences	Examining the Role of Nanoparticles in the Formation and Degradation of Methylated Mercury in the	10/23/2015	349,474
O'Donnell, James	HUD/Department of Housing & Urban Development/CT Department of Energy and Environmental Protection	Municipal Resilience Planning Assistance Project	10/26/2015	936,584
Whitney, Michael	DOC/NOAA/National Marine Fisheries Service	The Impacts of Current and Future Climate Change on Connecticut Shellfisheries	10/27/2015	299,510
Cabaniss, Joseph T	NSF/National Science Foundation/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for AUV Docking Station Testing	10/28/2015	99,008
Cabaniss, Joseph T	DOC/National Oceanic and Atmospheric Administration/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for ESP Instrument & Mooring Deployment and Recovery	10/28/2015	66,768
Dierssen, Heidi	DOC/National Oceanic and Atmospheric Administration/Harbor Branch Oceanographic Institute	Towards Autonomous Detection and Classification of Live Bottom Cover at Mesophotic and Deep Coral Reef Environments using Hyperspectral Line Imaging and Broadband Micro-Lidar Techniques	12/21/2015	144,700
Vaudrey, Jamie M	Dominion Nuclear Company	Data Synthesis and Modeling of Nitrogen Effects on Niantic River Estuary	11/19/2015	58,000
Baumann, Zofia	Rockfall Foundation	Investigating Hg Cycling and Bioaccumulation in Connecticut River Estuary	11/17/2015	14,904

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Dick O Donnell, Jennifer	Connecticut Department of Housing	Scoping of Dredge Material Islands and Wetlands for Green Infrastructure Resiliency Projects	11/16/2015	317,709
O'Donnell, James	Connecticut Department of Housing	Plans to Address Resiliency/Mitigation of Roads and Drainage Systems	11/13/2015	332,023
Ward, J E	NSF/National Science Foundation	Collaborative Research: Microbial Communities of Bivalve Shellfish: Modulation of Disease Susceptibility and Immunological Processes	11/11/2015	2,367,894
Cabaniss, Joseph T	NSF/National Science Foundation/Hydroid, Inc.	Charter of R/V CT by Hydroid for Docking Station Test	10/30/2015	35,000
Cabaniss, Joseph T	NSF/National Science Foundation/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for CSPP Buoy Recovery and AUV Testing	10/28/2015	77,000
Mathematics			6 Proposals	\$1,385,533
Gan, Guojun	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Clustering Algorithms for Large Complex Data	10/15/2015	169,629
Wu, Damin	NSF/National Science Foundation	Positivity in Complex Geomtry	10/19/2015	223,400
Valdez, Emiliano	Society of Actuaries	Predictive Analytics with Big Data in Actuarial Science and Insurance	10/27/2015	345,950
Li, Zhongyang	NSF/MPS/Directorate for Mathematics and Physical Sciences	Phase Transitions and Scaling Limits in Lattice Models	10/27/2015	178,276
Teplyaev, Alexander	NSF/National Science Foundation	Random, Stochastic, and Self-Similar Equations	10/27/2015	443,278
Xiao, Liang	NSF/MPS/Directorate for Mathematics and Physical Sciences	Instructional Workshop Proposal: Connecticut Summer School	10/28/2015	25,000
Molecular and Cell Biology			18 Proposals	\$23,250,612
Nelson, Craig E	Connecticut Innovations, Inc	A Catalog of Cell Types in the Early Organogenesis Embryo - A Single Cell Lineage Map, Phase 1	12/11/2015	750,000
Giardina, Charles A	Connecticut Innovations, Inc/University of CT Health Center	Intestinal Stem Cell-Stromal Interactions in UC Patients	12/08/2015	288,849
Lynes, Michael A	Connecticut Innovations, Inc	A Therapeutic Monoclonal Antibody for the Treatment of Inflammatory Bowel Disease	12/01/2015	
O'Neill, Rachel J	Connecticut Innovations, Inc/University of CT Health Center	UConn-Wesleyan Stem Cell Core	11/27/2015	70,000
Alexandrescu, Andrei T	NSF/National Science Foundation	Structures of Critical Nuclei and Intermediates in Amyloid Misfolding	11/13/2015	651,284
May, Eric R	NSF/National Science Foundation	Investigation into Mechanisms of Membrane Disruption by Non-enveloped Viruses	11/10/2015	573,370
Cole, James L	PHS/NIH/National Institute of Allergy and Infectious Diseases	Mechanism for Activation of the Antiviral Kinase PKR	11/07/2015	380,821
Papke, Robertson T	NSF/National Science Foundation	Collaborative Research: Characterization of Archaeal Biofilm Using Haloferax Volcanii as a Model Genetic System	11/05/2015	822,742
O'Neill, Rachel J	NSF/National Science Foundation	Collaborative Research: Impact of a Novel Retrotransposon Expansion on Centromere Function	11/04/2015	706,703
Campellone, Kenneth G	PHS/National Institutes of Health	Cytoskeletal Functions in Cell Aging and Disease	11/04/2015	802,466
Giardina, Charles A	PHS/National Institutes of Health	Apoptotic Signaling During M Phase	11/04/2015	414,702
Zweifach, Adam	PHS/National Institutes of Health	Analogs of a Novel Immunosuppressive Compound	10/23/2015	158,000
Knecht, David A	NSF/National Science Foundation	Chemotaxis in the Absence of Gradients: Understanding Self-Generated Gradient Formation	10/23/2015	315,504
Zweifach, Adam	PHS/National Institutes of Health	Developing a Screening Campaign for Immune Enhancers	10/23/2015	1,006,702

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Giardina, Charles A	PHS/National Institutes of Health	(1) Intestinal Organoid Models for APC LOH	10/23/2015	424,601
Nyholm, Spencer	PHS/National Institutes of Health	Understanding the Regulation of Mucosal Epithelia and Innate Immunity Using Model Host/Microbe Systems	10/15/2015	6,715,000
Broderick, Nichole A	PHS/National Institutes of Health	Mechanisms of Microbiome-Dependent Effects on Animal Development and Homeostasis	10/14/2015	2,342,912
O'Neill, Rachel J	PHS/National Institutes of Health	Discovery and Clinical Impact of Human Satellite DNA Variants	10/05/2015	6,826,956
Physics			10 Proposals	\$2,749,990
Sinkovic, Boris	NSF/National Science Foundation	Correlating Electronic, Spin and Magnetic Structures of Topological Insulators	10/29/2015	416,804
Jain, Menka	NSF/MPS/Directorate for Mathematics and Physical Sciences	Effect of Substitutions, Pressure, and Strain on the Properties of Orthorhombically Distorted Perovskites	10/29/2015	498,589
Wells, Barrett O	NSF/MPS/Directorate for Mathematics and Physical Sciences	Oxygen-Defect Controlled Doping of Strongly Correlated Electron Materials	10/29/2015	451,208
Kovner, Alexander	NSF/National Science Foundation	Saturation Physics: NLO Precision and Quasi Collectivity	11/10/2015	0
Cote, Robin J	NSF/MPS/Directorate for Mathematics and Physical Sciences	Rydberg States to Probe Few- and Many-Body Phenomena	10/19/2015	327,842
Gould, Phillip L	DOE/Department of Energy	Coherent Control with Ultracold Molecules	12/04/2015	434,538
Joo, Kyungseon	Jefferson Science Associates, LLC	Studies of the Beam Line Shielding to Improve the CLAS12 Luminosity	10/02/2015	81,000
Yelin, Susanne	NSF/MPS/Directorate for Mathematics and Physical Sciences	Superradiance in the Steady State: Study and Application of Cooperative Nonlinear Effects	10/22/2015	301,833
Dormidontova, Elena E	American Chemical Society/Petroleum Research Fund	Computer Modeling of Threaded Surfactant Aggregates	10/07/2015	110,000
Joo, Kyungseon	DOE/Department of Energy/UChicago Argonne	Electroproduction with Nucleon and Nuclear Targets Using CLAS and CLAS12	11/17/2015	128,176
Physiology and Neurobiology			9 Proposals	\$9,109,677
Conover, Joanne	Connecticut Innovations, Inc	Stem Cell-Mediated Regenerative Repair in Hydrocephalus	12/03/2015	200,000
Kanadia, Rahul N	NSF/National Science Foundation	Understanding the Role of U11 snRNA in Cell Cycle Regulation	11/02/2015	682,297
Kanadia, Rahul N	PHS/National Institutes of Health	Understanding the Role of Minor Spliceosome in Cortical Development	11/02/2015	419,652
Tzingounis, Anastasios	PHS/National Institutes of Health	Cellular Physiology of Epilepsy-Associated KCNQ2 and KCNQ3 Channels	10/29/2015	1,934,368
Nishiyama, Akiko	PHS/National Institutes of Health	Homeostatic Regulation of NG2 Cell Dynamics	10/23/2015	1,958,368
Wang, Li	PHS/National Institutes of Health	Discovery and Modulation of New Regulatory Pathways of Liver Disease	10/22/2015	3,019,189
Tzingounis, Anastasios	PHS/National Institutes of Health	Novel Approach To Reveal the PKA Sensitive Potassium Channels Mediating the sAHP	10/07/2015	424,601
Menuz, Karen	PHS/National Institutes of Health	Modulation of Odor Encoding by Non-Neural Auxiliary Cells	10/01/2015	458,702
Wang, Li	American Liver Foundation	LncRNA H19 in Liver Metabolic Disease	11/24/2015	12,500
Political Science			1 Proposals	\$12,247
Richards, David L	Social Progress Imperative	Social-Progress-Data Creation	11/23/2015	12,247
Psychology			20 Proposals	\$14,161,365
Park, Crystal	PHS/National Institutes of Health	Stress and Self-Regulation of Negative Affect as Predictors of Health Behavior	10/12/2015	1,919,888
Dixon, James A	PHS/National Institutes of Health	Dissipation Driven Analog Simulations of Typical and Pathological Development	10/05/2015	1,920,827
Park, Crystal	Alex's Lemonade Stand Foundation	A Multilevel Perspective on Pediatric Cancer Survivors' Health Behaviors	10/12/2015	299,572

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Fitch, Roslyn H	PHS/National Institutes of Health	A Mouse Model for Communicative Disorders in ASD	10/13/2015	395,138
Salamone, John D	PHS/National Institutes of Health	Regulation of Effort-Based Decision Making by DREADD Activation of Dopaminergic or Noradrenergic Circuits	10/13/2015	152,626
Barnes-Farrell, Janet L	PHS/National Institutes of Health/University of CT Health Center	UCONN-SAM	10/20/2015	47,495
Smith, Rhiannon L	New York Community Trust/Fahs-Beck Fund	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	10/27/2015	5,000
Naigles, Letitia	PHS/National Institutes of Health	Brain Correlates and Early Predictors to School-Age Language	11/02/2015	1,579,197
Smith, Rhiannon L	American Psychological Association	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	11/05/2015	5,000
Molfese, Peter J	Dana (Charles A.) Foundation, Inc.	Biomarker and Bioimaging Validation of a Novel Cognitive Therapy for Fibromyalgia	11/09/2015	296,270
Smith, Rhiannon L	American Association of University Women	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	11/09/2015	20,000
Astur, Robert	PHS/National Institutes of Health	A Virtual Reality Intervention for Smoking Cessation in People with Schizophrenia	11/12/2015	1,168,658
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	P&E Core	12/03/2015	146,871
Park, Crystal	PHS/NIH/National Institute on Aging/Oregon State University	Resilience and Older Adults	12/31/2015	1,758,352
Henning, Robert A	Liberty Mutual Insurance	Organizational Readiness	12/30/2015	9,141
Large, Edward W	NSF/National Science Foundation	TBD	12/10/2015	
Kalichman, Seth C	PHS/National Institutes of Health	Dose Determination Adherence Trial	12/10/2015	3,920,145
Chrobak, James J	American Psychological Foundation	What Determines the Strength of Memory Representations?: Investigations into Hippocampal Neurophysiology During Exposure to Novel Situations	12/08/2015	3,000
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	Project B	12/03/2015	193,573
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	Outreach CORE	12/03/2015	320,612
Public Policy			1 Proposals	\$173,250
Raissan, Kerri M	PHS/National Institutes of Health	Re-Examining the Effects of Breastfeeding Based on Maternal Intentions	10/13/2015	173,250
Speech, Language and Hearing Sciences			2 Proposals	\$3,329,185
Coelho, Carl A	PHS/National Institutes of Health	Neurobehavioral Assessment of Discourse Following Traumatic Brain Injury	11/02/2015	2,869,361
Theodore, Rachel M	PHS/National Institutes of Health	Determinants of Phonetic Category Structure in Language Impairment	10/21/2015	459,824
Statistics			9 Proposals	\$1,004,267
Zhang, Yuping	Alzheimer's Association	Subtype Identification through Imaging Genetics for Alzheimer's Disease	10/28/2015	100,000
Harel, Ofer	Patient-Centered Outcomes Research Institute (PCORI)/University of CT Health Center	Improving Inference When Comparing Alternative Treatments: Combining Modern Statistical Models of Classifying Patients Based on Patterns of Successive Changes	10/27/2015	69,682
Bar, Haim Y	NSF/MPS/Directorate for Mathematics and Physical Sciences	Variable Selection When P>> N-- Beyond Linear Regression and Normal Errors Model	10/22/2015	315,550

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Zhang, Yuping	National Security Agency	Statistical Learning Methods for Longitudinal Biomedical Data	10/20/2015	19,996
Bar, Haim Y	Google Inc.	Group Concept Mapping - Analytic Tools to Extract Information from "Pile Sorting" Surveys	10/13/2015	46,676
Wang, Xiaojing	Sanofi-Aventis U.S.	Bayesian Methods for Personalized Medicine	11/20/2015	64,683
Harel, Ofer	Connecticut Health and Educational Facilities Authority/University of CT Health Center	Imputation of Race and Ethnicity in Health Insurance Claims	12/01/2015	64,889
Bar, Haim Y	National Science Centre Poland/Siedlce University of Natural Sciences and Humanities	Identification of Transcriptomic Markers of Maize Resistance to Cereal Aphids	12/02/2015	5,000
Chen, Kun	NSF/National Science Foundation	Integrative Multivariate Analysis of Multi-View Data	11/02/2015	317,791
NEAG School of Education			12 Proposals	\$7,750,744
Curriculum and Instruction			4 Proposals	\$3,336,998
Casa, Tutita M	NSF/EHR/Directorate for Education and Human Resources	Writing Authentically in Mathematics (AIM): Electronically Blending Professional Development and Educative Teacher Guides	12/01/2015	2,999,417
Doyle, Mary	Manton Foundation/Yale University	Training Reading Recovery Teachers	10/05/2015	74,343
Wilson, Suzanne	ED/Department of Education/Connecticut Science Center	Advancing and Scaling Science Education's New Terrain (ASSENT): Developing Multi-Faceted Peer-Based Learning in Connecticut	10/07/2015	76,500
Campbell, David T	NSF/EHR/Directorate for Education and Human Resources	Collaborative Research: Enhancing Teaching and Learning of Scientific Practices Through Modeling	11/27/2015	186,738
Educational Leadership			1 Proposals	\$117,587
Lechasseur, Kimberly	NSF/National Science Foundation/North Carolina State University	Evaluation of the Mt. Airy ITEST Grant	10/27/2015	117,587
Educational Psychology			7 Proposals	\$4,296,159
Goldstein, Jessica A	CT Office of Early Childhood	Connecticut Early Learning and Development Assessment System	10/07/2015	150,000
Brown, Scott W	NSF/National Science Foundation/University of Illinois	Project SLiC (Scientifically Literate Citizenry)	10/23/2015	141,934
Perusse, Rachelle	Futures, Inc	School Counseling Internships - Meghan Coiro	10/26/2015	18,202
Coyne, Michael D	CT Department of Education	Connecticut K-3 Literacy Initiative 2015	11/08/2015	2,519,949
Young, Michael F	NSF/National Science Foundation/Springfield Technical Community College	Enhancing Student Engagement and Motivation Through Interactive STEM Learning in the Context of the Internet of Things and its Applications	11/13/2015	223,723
La Salle, Tamika P	CT Department of Education/Norwich Public Schools, CT	School Improvement Grant	10/05/2015	18,417
Sanetti, Lisa M	ED/Office of Special Education and Rehabilitative Services	Project PSYCHS2-(School) Psychologists Serving Youth through Coordinated Health Services in Schools	11/25/2015	1,223,934
School of Business			1 Proposals	
Finance			1 Proposals	
Carstensen, Fred V	CT Hospital Association	Projecting the Dynamic Benefits of Investing in Hospitals	11/12/2015	
School of Engineering			151 Proposals	\$45,999,731
Biomedical Engineering			9 Proposals	\$1,912,753
Chon, Ki	PHS/National Institutes of Health/University of Massachusetts	Smartphone Monitoring for Atrial Fibrillation in Real-Time-India (SMART-India)	12/17/2015	70,752

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Huang, Yen Chih	NASA/National Aeronautics & Space Administration	3D Mircophysiological System of Skeletal Muscle	10/09/2015	525,278
Hoshino, Kazunori	NSF/National Science Foundation	Micromechanical Characterization of Cancer Spheroid- 3D Morphology and Transport	10/14/2015	450,000
Shin, Yong-Jun	PHS/National Institutes of Health	An Integrated Optogenetics and Digital Optomicrofluidics Platform for the Study of p53 Oscillation	11/03/2015	431,621
Huang, Yen Chih	Connecticut Innovations, Inc	Engineering Cartilage Tissues from Human Pluripotent Stem Cells	12/08/2015	200,000
Hoshino, Kazunori	DOD/Army/University of CT Health Center	Novel Approach for Peripheral Nerve Regeneration Using Ionically-Conducting Polymers	11/10/2015	60,000
Chon, Ki	DOD/Navy/Leidos	Human Blast Computer Modeling (Senior Design)	11/13/2015	7,000
Hoshino, Kazunori	Connecticut Innovations, Inc/University of CT Health Center	Ionically Conducting Grafts for the Delivery of Stem Cells and Electric Stimulus for Peripheral Nerve Regeneration	11/23/2015	20,000
Zheng, Guoan	PHS/National Institutes of Health	Fluorescence Ptychographic Microscope for 4D Live Cell Imaging with High-Spatiotemporal Resolution and Reduced Phototoxicity	11/09/2015	148,102
Chemical and Biomolecular Engineering			31 Proposals	\$8,033,194
Sun, Luyi	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: Tailoring the Third Dimension in Layered Materials	10/29/2015	361,783
Burke, Kelly A	NSF/National Science Foundation	Main-Chain Liquid Crystalline Networks as Soft Ordered Biomaterials	10/27/2015	334,113
Wagstrom, Kristina	NSF/National Science Foundation	Collaborative Research: Acceleration of Atmospheric Chemistry Calculations Using Dynamic Mechanism Reduction and GPU Technnology	10/27/2015	249,873
Lei, Yu	NSF/ENG/Directorate for Engineering	Digital, Rapid and Calibration-Free Detection of Viable E. Coli and Total Coliforms for Water Quality Monitoring	10/26/2015	513,026
Lei, Yu	DOI/US Geological Survey	Microfluidic-Based Biosensor Chip for Rapid and Calibration-Free Detection of Viable E. Coli and Total Coliforms for Water Quality Control	10/23/2015	50,000
McCutcheon, Jeffrey R	NSF/National Science Foundation	Electrospray Polymerization: Enabling Fundamental Characterization and Tuning of Polyamide Thin Film Composite Membranes	10/19/2015	353,253
McCutcheon, Jeffrey R	NSF/National Science Foundation	WERF-EPRI: Elucidating Fundamental Performance Parameters for Hybrid Forward Osmosis Systems Designed for Wastewater Reuse for Cogeneration	10/19/2015	359,330
Bollas, Georgios	NSF/National Science Foundation	Dyanmics of Power Plants with CO2 Capture	10/19/2015	187,962
Shor, Leslie M	NSF/National Science Foundation	Collaborative:SusChEM: Root Targeted Delivery of Encapsulated Agrochemicals Using Natural Microbial Carriers	10/19/2015	248,944
Maric, Radenka	NSF/National Science Foundation	GOALI: Core-Shell Elecrocatalysts for Electrolyzers and Fuel Cells	10/16/2015	499,788
Cho, Yongku P	NSF/National Science Foundation	Impact of Gene Expression Dynamics: Transcription Factor Oscillations	11/06/2015	493,602
Bollas, Georgios	NSF/National Science Foundation	DELTA: Data Enabled Learning Traineeship Access Program in Systems Engineering	12/09/2015	
Valla, Ioulia A	DOE/Department of Energy	Multifunctional Catalysts for the Valorization of Lignocellulosic Feedstocks to Drop-In Fuels and Chemicals	11/16/2015	750,000
Burke, Kelly A	PHS/National Institutes of Health	Localized Modulation of Chronic Inflammation with Silk Biomaterials	11/16/2015	416,444
Willis, Brian G	DOD/Navy/Office of Naval Research	Integration of Biomolecular Recognition Elements with Solid-State NanoDevices for Chemical Sensors with Specificity	11/17/2015	440,225
Parnas, Richard S	Connecticut Energy Marketers Association (CEMA)	Heating Oil Testing to Support Connecticut Heating Oil Suppliers	11/23/2015	25,000
Lei, Yu	NSF/National Science Foundation/Health E-sense	Breath Sensor Technology for Routine Health Monitoring	12/02/2015	75,000
Ma, Wing Kui Ans	University of Hartford	Additive Manufacturing of Flexible Sensors	12/04/2015	10,000

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Sun, Luyi	EPA/Environmental Protection Agency	Carbon Dioxide, Sulfur Oxide, and Nitrogen Oxide Capture Using Hydrated Sodium Carbonate Powders	12/08/2015	15,000
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Advanced Biomufacturing of Functional Bionanoparticles for Biomedical Engineering Applications	10/16/2015	321,177
Maric, Radenka	Connecticut Innovations, Inc	Non-Invasive Diabetes Monitoring by Breath Analysis	10/02/2015	30,000
Ma, Wing Kui Ans	Connecticut Innovations, Inc	Hydrodynamics Assisted Renal Replacement Therapy (HARRT)	10/06/2015	30,000
Maric, Radenka	NSF/National Science Foundation	NSF Engineering Research Center for Methane Utilization Nano-Systems (ERC-MUN)	10/09/2015	0
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Non-Invasive, Paper-Based Cancer Biomarkers Detection Using Universal Protein Multi-Functional Outer Membrane Vesicles Platforms	10/12/2015	209,833
Wagstrom, Kristina	NSF/National Science Foundation	Quantifying Source-Specific Contributions of Atmospheric Deposition to Eutrophication of American Waterways	10/13/2015	300,000
Burke, Kelly A	American Chemical Society/Petroleum Research Fund	Main-Chain Liquid Crystalline Polymers Containing Crystallizable Units as Responsive Thermoplastic Elastomers	10/13/2015	110,000
Cho, Yongku P	PHS/National Institutes of Health	Antibodies Against Post-Translation Modification of Tau	10/13/2015	414,703
Bollas, Georgios	DOE/Department of Energy/Precision Combustion, Inc	Experimental Analysis and Model Development of Pyrolysis/Combustion of Coal/Biomass in a Bench Scale Spouted Bed Reactor	10/14/2015	75,000
Willis, Brian G	NSF/ENG/Directorate for Engineering	Integration of Biomolecular Recognition Elements with Solid State Devices	10/14/2015	474,515
Valla, Ioulia A	NSF/National Science Foundation	Engineering Novel Multifunctional MFI-Type Structures for Advanced BTX Production Derived from Lignocellulosic Resources	10/14/2015	315,141
Nieh, Mu-Ping	NSF/National Science Foundation	(NANO) ² : Gold Nanoclusters in Lipid Nanodiscoidal Bicelles as a Potential Nanodiagnostic Platform: Experiment and Computer Modeling	10/16/2015	369,482
Civil and Environmental Engineering			17 Proposals	\$8,265,474
Anagnostou, Emmanouil N	U.S. Agency for International Development	Water Conservation Activity	12/21/2015	0
Jackson, Eric D	Department of Transportation/CT Department of Transportation	Training Opportunity for CTDOT's New MMUCC Compliant Police Crash Report (PR1)	10/02/2015	197,960
Chrysochoou, Maria	EPA/Environmental Protection Agency	New England Center for Brownfield Redevelopment	12/16/2015	1,009,023
Jackson, Eric D	CT Department of Transportation	The Connecticut Transportation Safety Research Center: Years 4 to 9	12/11/2015	5,638,069
Mellor, Jonathan E	NSF/National Science Foundation	NRT-INFIEWS: In Search of Security: An Interdisciplinary Training Program on Global Water Challenges	12/09/2015	
Astitha, Marina	Electric Power Research Institute (EPRI)	Understanding the Information Embedded in Observations and Regional Air Quality Model Outputs and Using Models for Regulatory Assessments	10/06/2015	220,398
Li, Baikun	University of Hartford	Conversion of Human Wastes to Electricity in Microbial Fuel Cells: Towards Self-Sustaining Life Support Systems	10/07/2015	11,249
Zhang, Wei	NSF/National Science Foundation	CDS&E: Collaborative Research: Real-time Video-Driven Scour Diagnosis of Civil Infrastructures	10/12/2015	227,141
Wang, Guiling	NSF/National Science Foundation	Underlying Mechanisms of Arctic Greening and Feedbacks to the Climate	10/13/2015	411,858
Li, Baikun	DOE/Department of Energy/Sustainable Innovations	Production of High Purity, High Pressure Hydrogen from Food Waste	10/16/2015	75,000
Wille, Kay	CT Office of the Attorney General	Investigating the Deterioration of Basement Walls Made of Concrete in CT	10/30/2015	91,062
Anagnostou, Emmanouil N	CT Department of Transportation	Resiliency Analysis to Storm Surge for I-95 Right-of-Way at Long Wharf/New Haven, CT	11/02/2015	64,500

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Lownes, Nicholas	DOT/Department of Transportation	Multimodal Public Transportation System Connectivity Performance Measures	12/09/2015	
Kirchhoff, Christine J	Connecticut Department of Housing	Plans to Address Resiliency/Mitigation of Waste Water Systems	11/16/2015	219,368
Ivan, John N	DOT/Federal Highway Administration	Sabbatical Research at Turner Fairbank Highway Research Center	11/16/2015	86,998
Anagnostou, Emmanouil N	Housatonic Valley Association	Planning for Climate Resilient and Fish-Friendly Road/Stream Crossings in Connecticut's Northwest Hills	12/07/2015	12,848
Malla, Ramesh B	University of Hartford	Analysis of Lunar Habitats	12/18/2015	0
Computer Science and Engineering			22 Proposals	\$7,102,480
Shin, Dong	PHS/National Institutes of Health	Topology-Based Pathway Scoring System (TOPAS)	11/16/2015	470,364
Huang, Chun-Hsi	NSF/National Science Foundation	NeTS: SHF: Small: Software-Defined Inter-Networking for Extreme Scale Data Analytics	11/13/2015	488,909
Han, Song	NSF/National Science Foundation	CSR: NeTS: Small: Collaborative Research: A Configurable Real-Time High-Speed Wireless Platform for Large-Scale Networked Control Systems	11/10/2015	262,971
Sheehy, Donald R	DOE/Department of Energy	Massive Multiscale Spatial Data Analysis	11/10/2015	751,173
Mandoiu, Ion I	NSF/National Science Foundation	AF:Small:Collaborative Research: Algorithmic Techniques for Inferring Transmission Networks from Noisy Sequencing Data	11/10/2015	199,999
Huang, Chun-Hsi	NSF/National Science Foundation	CRI Pre-proposal: II-NEW: Software Defined Inter-Networking for Extreme-Scale Data Analytics	11/10/2015	0
Huang, Chun-Hsi	NSF/National Science Foundation	PRAC: Peta-Scale Modeling and Simulation Network Biology	11/09/2015	40,000
Bansal, Mukul S	NSF/National Science Foundation	Understanding Horizontal Gene Transfer in Bacteria and Archaea: Units of Transfer and Modes of Integration	11/04/2015	696,381
Han, Song	NSF/National Science Foundation	CRI Pre-Proposal: II-New: A Hybrid Software-Defined Real-Time Network Testbed for Cyber-Physical Sensing and Control Applications	11/04/2015	
Peters, Thomas J	NSF/National Science Foundation	AF: SMALL: Computational Topology, Knot Energy and Visual Analytics	11/04/2015	494,980
Russell, Alexander	NSF/National Science Foundation	TWC: Small: Collaborative: Cliptography	10/21/2015	249,827
Wang, Fei	Keck (W. M.) Foundation/State University of New York	Statistical Science Meets Precision Medicine: Moving Forward...	10/19/2015	59,286
Bansal, Mukul S	NSF/National Science Foundation	Collaborative Research: Integrating the Geological and Genomic Records: Time-Calibrating Earth's Dynamic Biogeochemical History	10/19/2015	316,714
Shin, Dong	DOD/Army	Production of Autologous BMSC-Derived Progenitor Cells Competent for a Successful Segmental Bone Repair in Human Subjects	12/18/2015	540,961
Shin, Dong	CT Office of the Healthcare Advocate	Online Complaint Submission Interface	12/11/2015	25,000
Wang, Bing	Raytheon Company/University of South Florida	UGREE-GENI: Understanding GENI Infrastructures for Research and Educational Experiments in Computer Networking and Security	12/08/2015	6,256
Wang, Fei	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Learning Patient Similarities from Heterogeneous Data: Methods and Applications	12/04/2015	695,948
Russell, Alexander	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Secure Computation via the Lens of Quantum Mechanics	12/04/2015	2,291
Mandoiu, Ion I	Connecticut Innovations, Inc/University of CT Health Center	Genomic-Driven Personalized Immunotherapy of Human Ovarian Cancer	12/02/2015	249,969
Han, Song	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	SCH: INT: Collaborative Research: An Integrative Framework for Data-Driven Gait Physical Therapy: Monitoring, Evaluation and Intervention	12/02/2015	552,557
Wang, Fei	NSF/National Science Foundation	III: Small: Robust Comprehensive Predictive Modeling Framework for Hypothesis Generation in Precision Medicine	11/16/2015	499,406

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Khan, Mohammad M	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	CSR: Management and Tuning of Configuration Settings in Large-Scale Cloud Platforms	11/16/2015	499,488
Connecticut Transportation Institute			1 Proposals	\$149,999
Mahoney, James M	New England Transportation Consortium	Moisture Susceptibility Testing for HMA Pavements in New England	12/09/2015	149,999
Electrical and Computer Engineering			25 Proposals	\$5,994,224
Gupta, Shalabh	NSF/National Science Foundation	Human-Machine Interaction Based Service System for Energy-Efficient HVAC Systems for Smart Campuses	12/02/2015	
Zhang, Peng	NSF/National Science Foundation	Smart Power Systems for Improving Resilience to Extreme Weather Events	12/02/2015	0
Cao, Yang	DOD/Navy/Office of Naval Research	Dielectrics Under Extreme Electric Fields	12/01/2015	509,990
Willett, Peter K	Naval Postgraduate School	Representing Targets as Systems: Feature-Aided Tracking for Asymmetric Threats	11/25/2015	448,973
Chandy, John A	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	TWC: Small: Platform-Based Approach to Secure Embedded Systems Design	11/17/2015	490,024
Van Dijk, Marten E	NSF/National Science Foundation	TWC: Small: Self-Recovering Certificate Authorities using Backward and Forward Secure Key Management	11/13/2015	327,159
Van Dijk, Marten E	NSF/National Science Foundation	STARSS: Small: HaTCh - A Formal Framework of Hardware Trojan Design and Detection	11/13/2015	329,529
Wang, Lei	NSF/National Science Foundation	STARSS: Small: Collaborative: Chip Piracy Resilience for IoT Platforms	11/10/2015	299,989
Khan, Omer	NSF/National Science Foundation	STARSS: Small: SANCTUM: A Privacy-Aware Secure Processor Architecture for Data-center Setting	11/05/2015	255,088
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	MEMs Xylophone Antenna Development	11/04/2015	20,000
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	Distributed Bragg Reflector Laser Development	11/02/2015	30,000
Bazzi, Ali	NSF/National Science Foundation	Supervisory and Switching Control of High-Performance Electric Drives	10/28/2015	398,791
Gokirmak, Ali	NSF/National Science Foundation	Phase Change Logic Elements	10/28/2015	403,093
Wang, Lei	NSF/ENG/Directorate for Engineering	Circuits and Systems Enabling Energy Scavenging from Living Microorganisms for Self-powered Sensing	10/27/2015	449,817
Zhang, Peng	NSF/National Science Foundation	Enabling Reliable Networked Microgrids for Distribution Grid Resiliency	10/26/2015	400,000
Pattipati, Krishna R	DOD/U.S. Naval Research Laboratory	Atmospheric Effects Analysis and Prediction	10/20/2015	780,383
Jain, Faquir C	NSF/ENG/Directorate for Engineering	CMOS Compatible Quantum Dot Channel Enhanced Fast-Erase Nonvolatile Random Access Memory (NVRAM)	10/19/2015	398,322
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	Design and Processing of Low Phase Noise Laser and Gain Chip	10/19/2015	20,000
Cao, Yang	Vietnam International Education Development	Vietnam International Education Development (VIED) for Graduate School Applicant	10/16/2015	54,000
Enderle, John D	VA/Connecticut Healthcare System	2015-16 Clinical Engineering Internship Program at the West Haven VA Hospital	10/16/2015	43,299
Enderle, John D	VA/Connecticut Healthcare System	2014-16 Clinical Engineering Internship Program at the West Haven VA Hospital	10/16/2015	43,299
Enderle, John D	VA/Boston Healthcare System	2015-16 Clinical Engineering Internship Program at the Boston VA Healthcare System	10/19/2015	96,234
Enderle, John D	VA/Boston Healthcare System	2015-16 Clinical Engineering Internship Program at the Boston VA Healthcare System	10/16/2015	96,234
Cao, Yang	General Electric Company	Computation of Gas Dynamics and Measurement of Gas Temperature in Low Voltage Circuit Breakers	12/22/2015	100,000

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Bazzi, Ali	NSF/National Science Foundation	NRT-IGE: Multidisciplinary Cohort-Thesis in Energy Systems: A Pilot Program	12/07/2015	
Engineering Dean			4 Proposals	\$997,912
Bozorgmanesh, Hadi	Connecticut Innovations, Inc	Connecticut Innovation and University Bioscience Grant	10/09/2015	314,000
Kazerounian, Kazem	NSF/ENG/Directorate for Engineering	RET Site: Joule Fellows: Research Experience for Teachers in Sustainable Energy Technologies	10/26/2015	596,927
Ghiaei, Aida	NSF/National Science Foundation/Eastconn	Job Embedded Professional Learning Services to Quinebaug Middle College	11/24/2015	10,400
Wei, Mei	PHS/National Institutes of Health/OrteoPoniX	A Biomimetic Scaffold for Growth Factor Delivery for Bone Grafting	12/08/2015	76,585
Engineering Diversity Program			2 Proposals	\$339,897
Burkey, Daniel D	NSF/EHR/Directorate for Education and Human Resources	Engineers at Play: The Impact of Game-Based Learning on 1st Year Engineering Students	10/28/2015	299,999
Burkey, Daniel D	NSF/National Science Foundation/Rowan University	Enhancing Engineering Communication Through Genuine Authentic Mobile Exercises	12/11/2015	39,898
Materials Science and Engineering			16 Proposals	\$5,948,757
Aindow, Mark	NSF/MPS/Directorate for Mathematics and Physical Sciences	GOALI: Exploration of Quasi-Crystal Strengthened Al Alloys for Aerospace Applications	10/22/2015	399,280
Ramprasad, Ramamurthy	DOD/Navy/Office of Naval Research	Rational Design of Polymer Dielectrics Via Synergistic Computations, Syntheses and Characterization	10/22/2015	1,050,000
Nakhmanson, Serge M	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: CDMR: Functional Oxide Multilayers for Controlled Molecular Capture and Release	10/21/2015	244,451
Carter, C B	NSF/MPS/Directorate for Mathematics and Physical Sciences	Tantalum: Structure, Deformation and Defects in Bulk and Thin Films	10/19/2015	396,648
Huey, Bryan	NSF/National Science Foundation	Correlations Between Nanoscale Photovoltaic Performance, Structure, and Defects for Molecular Perovskites	10/16/2015	371,893
Huey, Bryan	DOE/Department of Energy	Improving Polycrystalline Solar Cell Performance Through Nanoscale Photocurrent Tomography and Orientation Mapping	10/16/2015	217,774
Gao, Puxian	NSF/National Science Foundation	Understanding the Composition, Size and Shape Effects in Metal Oxide Nano-Array Catalysts for Low-Temperature Hydrocarbon Oxidation	10/14/2015	450,000
Lee, Seok-Woo	American Chemical Society/Petroleum Research Fund	Fabrication of Strong and Ductile Metal-Intermetallic Nano-Composites for Advanced Drilling Technology	10/12/2015	110,000
Ramprasad, Ramamurthy	NSF/MPS/Directorate for Mathematics and Physical Sciences	Insulators Under Extreme Electric Fields	10/02/2015	397,803
Singh, Prabhakar	NSF/National Science Foundation	NSF/DMR-BSF: Thermochemical Approaches of Materials Development and Processing for Gas Phase Chromium Absorption to Mitigate the Electrode Poisoning in SOFC	10/27/2015	800,000
Lee, Seok-Woo	NSF/MPS/Directorate for Mathematics and Physical Sciences	In-situ Investigation of Micrometer Scale Mechanical Properties of Novel Complex Intermetallic Compounds, XFe ₂ As ₂ (X=Ca, Ba, and Sr)	10/27/2015	325,261
Huey, Bryan	NSF/National Science Foundation	Fundamental Approaches for Enhancing Properties of Photovoltaics and Piezoelectrics Deduced by Performance Mapping of Nanoscale Islands	10/29/2015	367,954
Aindow, Mark	DOE/Department of Energy/Structured Materials Industries, Inc.	Fluidized Bed Production of Surface Functionalized Powders for Solid Oxide Fuel Cell	12/09/2015	100,000
Huey, Bryan	DOE/Department of Energy	Tomographic Atomic Force Microscopy to Improve Efficiency and Performance of Solar Cells, Piezoelectrics, and Multiferroics	12/22/2015	
Alpay, Pamir	General Electric Company	Metals and Alloys for Electrical Circuit Breaker Contacts	12/18/2015	161,139

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Lee, Seok-Woo	DOE/Department of Energy	Plasticity of Micrometer Scale BCC Single Crystals in Cold Environments	12/10/2015	556,554
Mechanical Engineering			24 Proposals	\$7,255,041
Cetegen, Baki	United Technologies-Pratt & Whitney	Studies on Premixed Reacting Jets in Vitiated Crossflow	12/16/2015	68,000
Pasaogullari, Ugur	DOE/Department of Energy/Sustainable Innovations	STTR Phase II: Hydrogen Contaminant Detector	12/08/2015	485,057
Tasoglu, Savas	Connecticut Innovations, Inc	Micro-Robotic Assembly for 3D Tissue Engineering	11/24/2015	199,999
Pierce, David M	PHS/National Institutes of Health/University of Colorado at Boulder	Functional Gradients as Biomarkers for Disease Progression	11/17/2015	1,109,810
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux Measurement of TBC with MW & LW IR Camera	11/12/2015	200,000
Tasoglu, Savas	PHS/National Institutes of Health	Portable 3D Printed Device for Digital Sickle Cell Monitoring	11/11/2015	149,092
Tasoglu, Savas	PHS/National Institutes of Health/Brigham and Women's Hospital	In-Vitro Reproductive Tract on a Chip	11/10/2015	208,637
Sung, Chih-Jen	Beihang University	Accelerating Turbulence-Chemistry Interaction Modeling in Reactive-Flow Simulations	11/09/2015	185,362
Norato Escobar, Julian A	NSF/MPS/Directorate for Mathematics and Physical Sciences	Hierarchical Fabrication and Computational Modeling of Absorbable Composites with Superior Mechanical Properties as Bone Fixation Devices	10/27/2015	400,000
Chiu, Wilson K	DOE/Department of Energy/Clemson University	Technetium Partitioning, Retention and Mobility in Durable Waste Forms	10/27/2015	360,000
Tang, Jiong	NSF/ENG/Directorate for Engineering	Collaborative Research: Non-Contact Sensing for Structural Health Monitoring	10/27/2015	224,021
Pettes, Michael T	NSF/National Science Foundation	Collaborative Research: Understanding Thermoelectric Transport in Mesoporous Lead and Tin Chalcogenides	10/27/2015	300,000
Tasoglu, Savas	NSF/ENG/Directorate for Engineering	Flow Assisted, Low Cost, Mobile Magnetic Cytometry for Disease Detection and Monitoring	10/26/2015	451,053
Li, Ying	NSF/ENG/Directorate for Engineering	Predictive Multiscale Modeling on Viscoelastic Properties of Polymer Nanocomposites	10/23/2015	316,387
Fan, Tai-Hsi	NSF/MPS/Directorate for Mathematics and Physical Sciences	Implications of Nectar Uptake on Hummingbird Foraging	10/19/2015	457,627
Pettes, Michael T	Shell Oil Company Foundation	Development of a Mesoporous Thermoelectric Module	10/14/2015	150,000
Lykotrafitis, George	NSF/National Science Foundation	Physiology of Small-Conductance Calcium-Activated Potassium Channels (SK) in Neurons	10/14/2015	556,748
Pasaogullari, Ugur	NSF/National Science Foundation	Patterned Surfaces for Improved Light Absorption	10/13/2015	305,522
Chen, Xu	American Chemical Society/Petroleum Research Fund	Model-based Adaptive Control and Supervision for Autonomous Offshore Drilling	10/08/2015	110,000
Tasoglu, Savas	PHS/National Institutes of Health	Nature-Mimicking Engineered Microfluidic Channels as a Tool to Investigate Sperm Ion Channel Modulators	10/07/2015	437,726
Norato Escobar, Julian A	University of Hartford	A Geometry Projection Method for the Topology Optimization of a Skin-Space Frame System	10/06/2015	10,000
Zhao, Xinyu	American Chemical Society/Petroleum Research Fund	Computational Investigations of Lean Blow-Off Mechanisms for a Bluff-Body Stabilized Flame	10/06/2015	110,000
Ladani, Leila	NSF/National Science Foundation	Multi-Scale Manufacturing of Multifunctional Composite Materials	10/05/2015	200,000
Fan, Tai-Hsi	NSF/National Science Foundation	Collaborative Research: Evaporation of Nanofuels	10/01/2015	260,000
School of Law			1 Proposals	\$65,553
School of Law			1 Proposals	\$65,553

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Wilson, Richard A	Research Council of Norway	Regulating Inciting Speech and Preventing Mass Atrocities	10/06/2015	65,553
School of Nursing			12 Proposals	\$4,768,309
School of Nursing			12 Proposals	\$4,768,309
Cusson, Regina	VentureWell	Healthcare Innovations Program	10/29/2015	30,000
McGrath, Jacqueline M	Jonas Center for Nursing Excellence	Jonas Nurse Scholars	10/06/2015	40,000
Briere, Carrie-Ellen	PHS/National Institutes of Health	Stemness of Breastmilk and Preterm Intestinal Health Outcomes	10/05/2015	984,586
Baumbauer, Kyle M	Connecticut Innovations, Inc	Utilization of Derived Mesenchymal Stem Cells for Treatment of Spinal Cord Injury-Induced Pain	12/10/2015	198,297
Ramesh, Divya	PHS/National Institutes of Health	Cannabis Use in the Management of Chronic Low Back Pain	10/12/2015	429,550
Starkweather, Angela R	PHS/NIH/National Institute of Nursing Research	Center for Accelerating Precision Pain Self-Management	11/23/2015	1,921,967
Polifroni, Elizabeth C	PHS/Health Resources and Services Administration	UConn Preparing Tomorrow's Nurse Educators: NFLP 2016	11/20/2015	242,263
Polifroni, Elizabeth C	HHS/Health Resources and Services Administration	UConn SON Retention: The 3 R's	11/03/2015	344,363
Newlin Lew, Kelley	PHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Diabetes Intervention for Federally Qualified Health Centers	10/29/2015	462,283
Shellman, Juliette M	Hartford (John) Foundation	Seniors as Change Agents to Improve Mental Health Care in the Community	10/13/2015	10,000
Shelton, Deborah	PHS/DHHS/Agency for Healthcare Research and Quality	Accelerating Knowledge Translation to Optimize Quality of Care Behind Bars	10/12/2015	100,000
Lucas, Ruth F	Sigma Theta Tau International (STTI)	A Feasibility Study to Measure Infants' Microstructure of Sucking During Breastfeeding	11/27/2015	5,000
School of Pharmacy			17 Proposals	\$7,686,906
Pharmaceutical Sciences			16 Proposals	\$7,435,549
Rasmussen, Theodore	Connecticut Innovations, Inc	lncRNA-Mediated Regulation of Apo Genes	12/09/2015	200,000
Zhong, Xiaobo	PHS/National Institutes of Health	The Role of H19, A Long Non-Coding RNA, in Postnatal Liver Maturation	10/05/2015	424,601
Lu, Xiuling	PHS/National Institutes of Health	Cutting the Root: Inhibiting Chemoresistant Cancer Stem Cells using Nanoparticle-Mediated Drug Delivery	10/07/2015	3,580,551
Wright, Dennis	PHS/National Institutes of Health/University of CT Health Center	Advancing Imaging Probes for Retinal Injury and Fibrotic Disease	10/08/2015	72,022
Burgess, Diane J	PHS/DHHS/Food and Drug Administration	In Vitro - In Vivo Correlations of Parenteral Microsphere Drug Products	10/22/2015	124,999
Rasmussen, Theodore	PHS/National Institutes of Health/University of CT Health Center	Genetic/Epigenetic Control of P4 Signaling and Human Granulosa/Luteal Cell Function	10/23/2015	260,614
Kendall, Debra A	PHS/National Institutes of Health	Beta-Arrestin Signaling from the Cannabinoid 2 and mu Opioid Receptors	10/26/2015	439,400
Vinogradova, Olga	NSF/BIO/Directorate for Biological Sciences	Nanodiscs as a Model System for In-Vitro Studying of Integrins at Water-Membrane Interface	10/28/2015	593,785
Kendall, Debra A	U.S.-Israel Binational Science Foundation/Hebrew University of Jerusalem	Oleoyl-L-Valinolamide Obesity & Type 2 Diabetes	11/05/2015	46,032
Aneskievich, Brian J	Connecticut Innovations, Inc	Regulation of Post-Receptor Signaling in Balancing Epidermal Regeneration and Differentiation	12/07/2015	750,000
Chaudhuri, Bodhisattwa	PHS/DHHS/Food and Drug Administration/National Institute of Pharmaceutical Technology and Education	Continuous, Scalable Printing Methods for Solid Oral Dosage Manufacturing	12/10/2015	500,000

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Pikal, Michael J	PHS/DHHS/Food and Drug Administration/National Institute of Pharmaceutical Technology and Education	Effect of Formulation and Process Variations on Aggregation and Chemical Degradation in Model Therapeutic Proteins: Impact of Scale-Up	12/14/2015	250,000
Hadden, Kyle	American Foundation for Pharmaceutical Education	Repurposing Itraconazole as an Anticancer Chemotherapeutic	12/15/2015	10,000
Balunas, Marcy J	American Foundation for Pharmaceutical Education	Chemical Investigation of Significantly Homologous Bacterial Isolates from the Squid Euprymna Scolopes	12/15/2015	10,000
Hadden, Kyle	American Foundation for Pharmaceutical Education	Synthesis and Evaluation of Vitamin D3 Analogues as Hedgehog Pathway Inhibitors with Anti-Cancer Potential	12/15/2015	10,000
Wright, Dennis	Connecticut Innovations, Inc/University of CT Health Center	Imaging Probes for Fibrosis Detection and Clinical Management	12/18/2015	163,545
Pharmacy Practice			1 Proposals	\$251,357
Chamberlin, Kevin W	PHS/Department of Health and Human Services/University of CT Health Center	University of Connecticut Primary Care Training and Enhancement Grant	12/03/2015	251,357
School of Social Work			5 Proposals	\$555,914
School of Social Work			5 Proposals	\$555,914
Parr, Kathryn E	PHS/Substance Abuse Mental Health Services Administration/CT Department of Mental Health and Addiction Servi	Technology Assisted Recovery Case Management Services (TARCaMs)	12/21/2015	167,995
Parr, Kathryn E	CT Department of Children and Families/University of CT Health Center	Recovery Specialist Voluntary Program (RSVP)	10/28/2015	24,332
Smith, Tanya R	New York Community Trust/Fahs-Beck Fund/City University of New York	Voter Empowerment Campaign: Developing a Model for Schools of Social Work	10/14/2015	29,924
Lin, Hsiu-Ju	PHS/NIH/National Institute on Minority Health and Health Disparities/Yale University	Building Resilient Neighborhoods and Positive Social Networks to Prevent Gun Violence	10/14/2015	243,052
Rodis, Eleni T	CT Department of Mental Health and Addiction Servi	Gambling Services Evaluation	10/06/2015	90,611
Academic and Service Programs			4 Proposals	\$4,186,622
Global Affairs			2 Proposals	\$1,237,007
Pietro, Roy E	DOS/Department of State	FY 2016 Study of the U.S. Institutes for Student Leaders from Europe	12/08/2015	997,062
Pietro, Roy E	DOS/Department of State	FY 2016 Study of the U.S. Institutes for Student Leaders	11/06/2015	239,945
Provost & Exec VP Academic Affairs			1 Proposals	\$2,833,175
Choi, Mun	NSF/EHR/Directorate for Education and Human Resources	Northeast LSAMP Alliance 2016-2021	11/11/2015	2,833,175
Unassigned Department			1 Proposals	\$116,440
French, Rebecca A	Connecticut Department of Housing	Plans to Address Coastline Resilience: Climate Science Review Panel	11/16/2015	116,440
Vice President for Research			5 Proposals	\$3,598,048
Center for Health, Intervention and Prevention			2 Proposals	\$1,804,689
Harris, Jennifer L	Johnson (Robert Wood) Foundation	Encouraging Industry and Government Action to Reduce Marketing Unhealthy Foods to Children	11/24/2015	1,704,689
Harris, Jennifer L	USDA/Department of Agriculture/Vermont Law School	National Agriculture Library Proposal FoodWorks: Pioneering State and Local Food Policies	10/06/2015	100,000
Northeast Undersea Research Technology and Education Center			3 Proposals	\$1,793,359

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Babb, Ivar G	DOC/National Oceanic and Atmospheric Administration/University of Maine	ROV & Vessel Services in Support of Exploration, Mapping & Surveys of the Underwater Habitats and Ecosystems of Glacier Bay National Park and Preserve	12/03/2015	682,880
Babb, Ivar G	DOC/NOAA/Office of Ocean Exploration/University of Maine	Providing ROV and Vessel Services in Support of Exploration, Mapping and Surveys of the Underwater Habitats and Ecosystems of Glacier Bay National Park and Preserve	10/19/2015	698,000
Babb, Ivar G	NSF/GEO/Directorate for Geosciences	Enhancing the K2 ROV to Support Coastal Ocean Infrastructure and Science	12/21/2015	412,479
University of Connecticut - Storrs & Regional			396 Proposals	\$176,601,238
School of Dental Medicine			21 Proposals	\$15,800,503
Craniofacial Sciences			2 Proposals	\$35,000
Yadav, Sumit	American Association of Orthodontists Foundation	BMP2 signaling in mandibular condylar cartilage	11/24/2015	30,000
Goupil, Michael T	ADA Health Foundation	South Park Inn Homeless Shelter Clinic	10/27/2015	5,000
Oral Health and Diagnostic Sciences			6 Proposals	\$8,368,536
Chen, I-Ping	National Institutes of Health/DHHS	Pathogenic Mechanisms of Craniometaphyseal Dysplasia	10/29/2015	1,993,750
Nichols, Frank C	National Institutes of Health/DHHS	Porphyromonas gingivalis lipids mediate bone loss through TLR2	10/29/2015	1,993,750
Aseltine, Robert H.	Connecticut Health and Educational Facilities Authority (CHEFA)	Enhancing the Connecticut All Payer Claims Database to Reduce Health Inequity	12/03/2015	250,000
Litt, Mark D	National Institutes of Health/DHHS	Individualized Assessment and Treatment Program for Alcoholism: Treatment and Mechanisms	12/11/2015	3,941,741
Aseltine, Robert H.	Delta Dental Fund	Utilization of Dental Imaging During the Past 20 Years: A collaborative study	12/14/2015	57,795
Aseltine, Robert H.	Office of the Healthcare Advocate	State Innovation models/Round Two of Funding for Design and Test Assistance - Evaluation	12/16/2015	131,500
Reconstructive Sciences			13 Proposals	\$7,396,967
Rowe, David W	National Science Foundation/The College of New Jersey	Collaborative Research: Long-term model of scaffold-driven bone and enthesis formation	10/16/2015	300,000
Maye, Peter F	National Institutes of Health/DHHS	Monoclonal Antibodies to Resolve Paraxial Mesoderm Subpopulations	10/14/2015	438,625
Bayarsaihan, Dashzeveg	National Institutes of Health/DHHS	Chromatin interactions associated with mouse orofacial clefts	10/13/2015	438,625
Dealy, Caroline N	Connecticut Innovations, Inc.	Clinical Proof-of-Concept for a Novel Companion Diagnostic Biomarker for Rheumatoid Arthritis	10/08/2015	30,000
Maye, Peter F	National Institutes of Health/DHHS	Cherubism and Transforming Growth Factor Beta Signaling	11/12/2015	423,500
Kalajzic, Ivo	National Institutes of Health/DHHS	Transplantation of MSCs as therapy for Osteogenesis Imperfecta	11/12/2015	438,625
Rowe, David W	National Institutes of Health/DHHS	Cryohistological assessment of the mineralized skeleton	11/24/2015	27,592
Dealy, Caroline N	Connecticut Innovations, Inc.	Understanding Mammalian Limb Regeneration Responses	12/08/2015	750,000
Xin, Xiaonan	Connecticut Innovations, Inc.	Quantitating normal and OI human bone in an in vivo mouse model for drug screening	12/09/2015	200,000
Kuhn, Liisa T	Connecticut Innovations, Inc.	Translating Engineered Bone Matrix to a Bone Healing Product	12/10/2015	750,000
Kalajzic, Ivo	Connecticut Innovations, Inc.	Transplantation of Mesenchymal Stem Cells as therapy for Osteogenesis Imperfecta	12/10/2015	750,000
Rowe, David W	Department of Defense	Production of autologous BMSC-derived progenitor cells competent for a successful segmental bone repair in human subjects	12/16/2015	2,100,000
Maye, Peter F	Connecticut Innovations, Inc.	Investigating the Regenerative Capacity of Paraxial Mesoderm Stem Cells	12/10/2015	750,000

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
School of Medicine			157 Proposals	\$114,165,317
Academic Affairs and Education			1 Proposals	\$225,545
Manz, David H	National Institutes of Health/DHHS	Role of Ferroportin in reducing Prostate Cancer Metastasis	12/03/2015	225,545
Cell Biology			20 Proposals	\$13,954,214
Yue, Lixia	Connecticut Innovations, Inc.	Elucidating the pathogenesis of Marfan syndrome using smooth muscle cells derived from patient's iPSCs	12/08/2015	200,000
Vigone, Giulia	Lalor Foundation	Luteinizing hormone signaling in the ovarian follicle:role of an AKAP complex in restarting meiosis	12/18/2015	50,000
Mehlmann, Lisa M	ImpactAssets	Role of GPR3 in the Acquisition of Meiotic Competence and in Maintaining Meiotic Arrest	12/16/2015	106,048
Peluso, John J	National Institutes of Health/DHHS	Progesterone Signaling Pathways that Ensure Human Granulosa/Luteal Cell Survival	10/05/2015	438,625
Han, David K	National Institutes of Health/DHHS	Precision Immunotherapy for Breast Cancer	10/07/2015	3,500,000
Yue, Lixia	National Institutes of Health/DHHS	Towards a systems-level understanding of developmental control of the sinoatrial node	10/16/2015	205,130
Claffey, Kevin P	National Science Foundation/University of Connecticut - Storrs	Micromechanical characterization of cancer spheroids - 3D morphology and transport	10/16/2015	150,000
Terasaki, Mark R	ImpactAssets	High Resolution Immunolocalization of Proteins in Developing Tissues	10/20/2015	311,371
Terasaki, Mark R	Rutgers, the State University of New Jersey	Membrane Transport in Neurons Revisited	10/21/2015	144,475
Pachter, Joel S.	ImStem Inc.	Developing a Potential Therapy for Multiple Sclerosis Using hES-derived MSCs. Award No. Sub No. 2/Amnd No. 2 - Prime 13-SCDIS-ISB-01	10/23/2015	145,600
Laubenbacher, Reinhard	National Science Foundation	A novel methodology for the construction and analysis of dynamic functional brain networks.	10/23/2015	971,669
Epstein, Paul	Smart Family Foundation Inc.	Testing Novel Agents for Leukemia Treatment in In Vivo Mouse Models of Human Leukemia	10/26/2015	10,000
Slepchenko, Boris M	National Institutes of Health/DHHS/Yale University	Molecular Mechanisms of Cellular Motility	10/26/2015	106,305
Peluso, John J	National Institutes of Health/DHHS	Genetic/Epigenetic Control of P4 Signaling & Human Granulosa/Luteal Cell Function	10/28/2015	2,797,520
Mendes, Pedro	National Institutes of Health/DHHS/Virginia Technical Institute	COPASI software for modeling and simulation of biochemical networks	10/29/2015	1,212,266
Han, David K	National Institutes of Health/DHHS	Immunogenomics: Identification of Breast Cancer Antigens and Antibodies	10/30/2015	1,975,098
Smilowitz, Henry M	Owens (William and Ella) Medical Research Foundation	Gold Nanoparticle Treatment of Glioma	11/24/2015	100,000
Smilowitz, Henry M	National Science Foundation	Magnetic Nanoparticle Development	12/02/2015	74,965
Pachter, Joel S.	ImStem Inc.	Pre-clinical development of a new mesenchymal stem cell (MSC) product for multiple sclerosis	12/11/2015	705,142
Han, David K	Connecticut Innovations, Inc.	Breast Cancer-Associated Mutations Driving Uncontrolled Proliferation and Signaling of Cancer Stem Cells	12/09/2015	750,000
Community Medicine and Health Care			4 Proposals	\$183,789
Bruder, Mary Beth	Department of Education/University of North Carolina	DEC RP Online Module Development for Faculty/Higher Ed	12/22/2015	24,723
Gelbar, Nicholas	Growing Possibilities dba Roses for Autism	UCEDD's Autism Training Program	12/17/2015	44,185

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Chapman, Audrey	Canadian Institutes of Health Research/University of Toronto	Human Rights Post-2015 Health Development Goals & Universal Health Coverage: Defining Min. Core of Rt to Health	12/16/2015	13,286
Tennen, Howard A	National Institutes of Health/DHHS/University of Connecticut - Storrs	Center for Accelerating Precision Pain Self-Management	11/30/2015	101,595
Dermatology			2 Proposals	\$18,670
Strober, Bruce	AbbVie Pharmaceuticals	2016 AbbVie Grant for Dermatology Residents to use for Travel and Housing Assistance for the AAD Annual Meeting	10/26/2015	14,670
Strober, Bruce	American Academy of Dermatology	AAD Residents Travel and Housing Assistance Program.	11/19/2015	4,000
Diagnostic Imaging and Therapeutics			1 Proposals	\$144,242
Yang, Clifford K	Department of Defense	A Spatiotemporal Model for Early Breast Cancer Detection with Digital Mammography	11/16/2015	144,242
Family Medicine			1 Proposals	\$942,737
Fifield, Judith	Patient-Centered Outcomes Research Institute	Application of modern statistical models of classifying patients based on patterns of successive changes in response...	11/02/2015	942,737
Genetics and Developmental Biology			11 Proposals	\$6,234,412
Germain, Noelle	Connecticut Innovations, Inc.	Using single cell transcriptome analysis to investigate the population structure of PSC-derived neural cultures under normal and disease conditions	12/09/2015	200,000
Carmichael, Gordon G	Connecticut Innovations, Inc.	Using stem cells to understand molecular underpinnings of Prader-Willi Syndrome	12/09/2015	750,000
Rogina, Blanka	Connecticut Innovations, Inc.	Use of Human Embryonic Stem Cell derived neurons to study the role of SLC13A5 mutations in.....	12/08/2015	200,000
Lalande, Marc E	Connecticut Innovations, Inc.	UConn - Wesleyan Stem Cell Core	12/07/2015	500,000
Li, James Y.H	National Institutes of Health/DHHS	Mechanisms of neural progenitor progression in the developing midbrain and cerebellum.	11/16/2015	2,338,687
Wu, Yi	American Cancer Society, Inc.	Ultrasensitivity and Stability of Invadopodia	10/02/2015	739,393
Carmichael, Gordon G	National Institutes of Health/DHHS	Genomewide Mapping of Sites of RNA 2'-O-Methylation in Prader-Willis Syndrome	10/26/2015	431,398
Blinov, Michael	National Institutes of Health/DHHS/Auburn University	Modeling and Simulation of Dynamic Multivalent Molecular Aggregates	10/22/2015	108,837
Lalande, Marc E	National Institutes of Health/DHHS	Regulation and Processing of Prader-Willi/Angelman Syndrome Long Noncoding RNA	10/09/2015	435,012
Rogina, Blanka	National Institutes of Health/DHHS	Investigating the Molecular Mechanisms of Caloric Restriction	10/09/2015	438,625
Yu, Ji	Binational Science Foundation	EphB2 in synaptic plasticity and memory formation	11/10/2015	92,460
Immunology			14 Proposals	\$21,519,607
Zhou, Beiyan	Connecticut Innovations, Inc.	The impact of obesity on the bone marrow hematopoietic stem/progenitors	12/10/2015	200,000
Zhou, Beiyan	Connecticut Innovations, Inc.	Epigenetic impact of obesity on adipose tissue mesenchymal stem cells	12/11/2015	750,000
Aguila, Hector L	Connecticut Innovations, Inc.	Development of Novel Methods to mobilize Hematopoietic Stem Cells and top open Hematopoietic Stem Cell niches for bone marrow transplantation	12/08/2015	750,000
Wang, Kepeng	Connecticut Innovations, Inc.	The role of IL-17 mediated inflammation in colorectal cancer stem cell development	12/08/2015	200,000
Grenier, Jeremy	National Institutes of Health/DHHS	Generating long-lived CD8T Cell responses to melanoma antigens using Cytomegalovirus-based vaccines	12/04/2015	216,150

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Ryan, Joseph M	National Institutes of Health/DHHS	Improving Combination Cancer Immunotherapy by Linking T Cell Costimulatory Pathways	12/04/2015	220,887
Srivastava, Pramod K.	Connecticut Innovations, Inc.	Genomic-driven personalized immunotherapy of human ovarian cancer	11/30/2015	500,000
Vella, Anthony T.	National Institutes of Health/DHHS	Harnessing the immunotherapeutic power of CD134 and CD137 dual costimulated CD8 T cells to fight cancer	11/18/2015	6,640,105
Murphy, Michael	National Institutes of Health/DHHS	The Role of LncRNAs in TLR4 Tolerance and Sepsis	11/18/2015	114,004
Haynes, Laura	National Institutes of Health/DHHS	Aging and Immunity to Infection (Research Supplements to Promote Diversity in Health-Related Res.)	11/12/2015	65,586
Medvedev, Andrei	National Institutes of Health/DHHS	Mechanisms of Impaired Mycobacteria Sensing by TLR2 and TLR4 Polymorphic Variants	10/27/2015	2,013,000
Medvedev, Andrei	National Institutes of Health/DHHS	Effect of Bacterial Tolerance on TLR4 Signal Transduction	10/08/2015	1,794,375
Khanna, Kamal	Department of Defense	Mechanisms & Bowel Implications of the Pregnane x receptor targeting Indole Bacterial Metabolites in Inflammation	10/09/2015	1,196,250
Khanna, Kamal	National Institutes of Health/DHHS	Pregnane X Receptor, Indole Bacterial Metabolites and Epimunomes in the Intestine	10/13/2015	6,859,250
Medicine			40 Proposals	\$30,847,088
Wakai, Sarakei	Environmental Protection Agency/University of Connecticut - Storrs	New England Center for Brownfield Redevelopment	12/16/2015	100,000
Gould, Bruce E	Office of the Healthcare Advocate	State Innovation Models/Round Two of Funding for Design and Test Assistance - Community Health Workers Training	12/16/2015	9,900
Berg, Karina	Health Resources and Services Administration/DHHS/University of Connecticut - Storrs	Geriatric Outreach and Training with Care (GOTCCARE)	12/16/2015	54,686
Angus, Steven V	Health Resources and Services Administration/DHHS	Primary Care Training and Enhancement Program	12/11/2015	1,524,898
Gould, Bruce E	Health Resources and Services Administration/DHHS/Connecticut Children's Medical Center	Transforming Care for Underserved Children and Youth	12/11/2015	227,517
Kuchel, George A	Connecticut Innovations, Inc.	Impact of Aging and Frailty on Cellular Senescence and Reprograming	12/11/2015	199,847
Cherniack, Martin G	National Institute for Occupational Safety & Health/CDC/DHHS/University of Massachusetts	Center for the Promotion of Health in the New England Workplace (CPH-NEW)	12/08/2015	2,011,157
Rosenberg, Daniel W	Connecticut Innovations, Inc.	Intestinal stem cell-stromal interactions in UC patients	12/08/2015	750,000
Chhabra, Arvind	Connecticut Innovations, Inc.	Generation of functional antigen presenting cells (APC) from induced pluripotent stem cell (iPS) lines of young and elderly subjects for immunotherapy of human melanoma	12/04/2015	750,000
Chhabra, Arvind	Connecticut Innovations, Inc.	Identification of molecular mediators for generating patient specific customized anti-tumor T cells from Human Pluripotent Stem Cells derived Embryoid Bodies	12/04/2015	750,000
Chhabra, Arvind	Connecticut Innovations, Inc.	Generation and characterization of hematopoietic stem cells (HSC) derived from Myelodysplastic Syndrome (MDS) Patients' induced pluripotent stem cell (iPS)	12/04/2015	200,000
Ferris, Ann	Frozen Food Foundation/University of Minnesota	Use of Frozen Foods & Effects on Household Food Waste	12/04/2015	45,000
Robison, Julie	Department of Health & Human Services/The Lewin Group, Inc.	Process Evaluation of Older Americans Act Title III-E National Family Caregiver Support Program. Parent Log # 20120632.Award No. Prime TLG12068-5176.18.01	12/03/2015	8,002
Hinson, John Travis	Connecticut Innovations, Inc.	Integrative analysis of pathological cardiac remodeling in human cardiac microtissues using Drop-Seq.	12/02/2015	200,000

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Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Lo, Wai Hong	Connecticut Innovations, Inc.	Reposition of small molecule drugs that promote regeneration of bone tissue from human adult stem cells	11/25/2015	750,000
Ferris, Ann	U. S. Drug Administration/Hartford Food System	USDA Community Food Project	11/23/2015	40,000
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	Plans to Address Resiliency/Mitigation of Waste Water Systems	11/17/2015	21,611
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	"Scoping of Dredge Material Islands and Wetlands for Green Infrastructure Resiliency Projects"	11/17/2015	21,611
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	Plans to Address Resiliency/Mitigation of Roads and Drainage Systems	11/17/2015	21,611
Rose, Suzanne	American Medical Association	Patient-Centered Medical Education from Enrollment to Entrustment: Using Technology to Enrich the Authentic Health Care Delivery System	11/16/2015	75,000
Rosenberg, Daniel W	National Institutes of Health/DHHS/University of Connecticut - Storrs	Localized Modulation of Chronic Inflammation with Silk Biomaterials	11/13/2015	50,751
Andemariam, Biree	National Institutes of Health/DHHS	University/Community Collaboration to Improve Delivery of Best Known Medical Practices to Adolescents and Adults....	11/09/2015	5,338,817
Rosenberg, Daniel W	National Cancer Institute/NIH/DHHS	PGE2 epithelial-stromal cross-talk during inflammation-related colon cancer	11/09/2015	438,625
Wu, George Y	Alexion Pharmaceuticals, Inc.	OTC Deficiency Cell Culture Models/A Universal Mitochondrial Transplantation System	11/05/2015	424,052
Rosenberg, Daniel W	Thetis Pharmaceuticals	Treatment with novel Thetis n-3 PUFA compounds, TP-252 (EPA) to test regression of adenomatous polyps	11/04/2015	22,789
Oncken, Cheryl	National Institutes of Health/DHHS/University of Connecticut - Storrs	A Virtual Reality Intervention for Smoking Cessation in People with Schizophrenia	11/02/2015	107,878
Meredith, Steven E	National Institutes of Health/DHHS	Incentive-based treatment and mHealth technology to promote physical activity	11/02/2015	438,410
Rosenberg, Daniel W	National Institutes of Health/DHHS	Folate one carbon metabolism and cancer	10/30/2015	2,011,803
Pilbeam, Carol C	National Institutes of Health/DHHS	Cox-2 Regulation of Bone Responses to PTH: Role of Osteoclasts	10/30/2015	1,975,093
Rash, Carla Jean	National Institutes of Health/DHHS	Reducing Alcohol Use in Heavy Drinkers Frequenting Soup Kitchens	10/29/2015	434,341
Cherniack, Martin G	National Institute for Occupational Safety & Health/CDC/DHHS	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UCONN-SAM)	10/29/2015	1,827,188
Chhabra, Arvind	National Institutes of Health/DHHS	Generation of Functional Antigen Presenting Cells from Induced Pluripotent Stem Cell (iPS) Lines Derived from Human Dendritic Cells	10/23/2015	438,625
Wakai, Sarakei	Health Resources and Services Administration/DHHS	The Relationship of Postpartum Depression Treatments and Breastfeeding	10/19/2015	100,000
Schenck, Paula	National Institute for Occupational Safety & Health/CDC/DHHS/Connecticut Department of Public Health	CT Occupational Health Fundamental - Plus Surveillance Program	10/16/2015	21,998
Rosenberg, Daniel W	National Institutes of Health/DHHS	Targeting Fatty Acid b-Oxidation for Chemoprevention of Colon Cancer	10/09/2015	431,403
Wu, George Y	Connecticut Innovations, Inc.	A General System for Transplantation of Mitochondria to Mammalian Cells	10/09/2015	30,000
Dorsky, David I	Connecticut Innovations, Inc.	Use of EBV DNA polymerase for isothermal DNA amplification	10/09/2015	30,000
Robison, Julie	Connecticut Department of Social Services	MFP-Money Follows the Person Rebalancing Demonstration. Parent Log # 20130007. Award No. MOAUCH-MFP-02/13DSS7102IK	10/06/2015	4,986,144
Rosenberg, Daniel W	University of Connecticut - Storrs	Development of Virus-Like Vesicle (VLV)-based Prophylactic Immunotherapy for Colorectal Cancer (CRC)	10/06/2015	3,000
Oncken, Cheryl	National Institutes of Health/DHHS	Electronic Cigarette Use During Pregnancy	10/01/2015	3,975,331
Molecular Biology & Biophysics			9 Proposals	\$2,987,414

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Bezsonova, Irina	National Science Foundation	Activation and specificity of USP7: uncovering the molecular mechanisms	11/09/2015	599,001
Paul, Bibbin	Marsha Rivkin Center for Ovarian Cancer Research	SFXN4 remodels ovarian cancer cell bioenergetics to promote tumor progression.	11/30/2015	74,632
Zambrello, Matthew A	National Institutes of Health/DHHS	Novel Computational Techniques to Expand the Scope of Protein Nuclear Magnetic Resonance Spectroscopy	12/07/2015	225,545
Korzhniev, Dmytro	American Lung Association	Targeting scaffold proteins of translesion synthesis pathway for lung cancer therapy	12/08/2015	80,000
Setlow, Peter	National Science Foundation/Indiana University	Studies of factors governing bacterial spore photoproduct formation and repair	11/03/2015	410,173
Setlow, Peter	National Institutes of Health/DHHS	Endospore Modification With Drugs and Biologics using Supercritical Carbon Dioxide	12/23/2015	36,439
Korzhniev, Dmytro	National Science Foundation	Protein interactions underlying mutagenic translesion synthesis in yeast	11/05/2015	649,999
Bezsonova, Irina	American Cancer Society, Inc.	How to rescue a tumor suppressor	10/07/2015	792,000
Eipper, Elizabeth A	Broad (Eli and Edythe L.) Foundation	Biochemical and Functional Characterization of Schizophrenia-Associated Coding Mutations in the Multifunctional Trio Protein	12/21/2015	119,625
Neuroscience			10 Proposals	\$7,936,270
Mohan, Royce	Connecticut Innovations, Inc.	Fibrosentinel: Imaging Probes for Fibrosis Detection and Clinical Management	12/21/2015	500,000
Sirois, Carissa	Autism Speaks	Contribution of Individual UBE3A Protein Isoforms to the Phenotype of Angelman Syndrome Neurons	12/14/2015	60,800
Baumbauer, Kyle M	Connecticut Innovations, Inc./University of Connecticut - Storrs	Utilization of Derived Mesenchymal Stem Cells for Treatment of Spinal Cord Injury-Induced Pain	12/09/2015	110,019
Levine, Eric S	Connecticut Innovations, Inc.	Altered BDNF signaling in Angelman syndrome studied in patient-specific stem cell-derived neurons	12/08/2015	750,000
Yeh, Mason L.	National Institutes of Health/DHHS	Role of endocannabinoids in effects of prenatal ethanol on corical development	11/19/2015	162,642
Oliver, Douglas L	National Institutes of Health/DHHS	Auditory Pathways and Microcircuits	10/28/2015	3,363,948
Wang, Zhao-Wen	National Institutes of Health/DHHS	Molecular Dissection of C. Elegans Locomotion Neural Circuit	10/28/2015	1,993,750
Li, Jun	National Institutes of Health/DHHS	Role of Mitochondrial Dynamics in Human Stem Cell Models of Spinal Muscular Atrophy	10/09/2015	438,625
Crocker, Stephen J.	Dana (Charles A.) Foundation, Inc./University of Connecticut - Storrs	Biomarker and Bioimaging Validation of a Novel Cognitive Therapy for Fibromyalgia	10/28/2015	103,671
Mohan, Royce	National Institutes of Health/DHHS	Advancing Imaging Probes for Retinal Injury and Fibrotic Disease	10/09/2015	452,815
Obstetrics and Gynecology			1 Proposals	\$50,000
Kueck, Angela	V Foundation (Jimmy Valvano)	Phase 1 study of Oncolmmunome for the treatment of Stage III/IV Ovarian Cancer	12/04/2015	50,000
Orthopaedic Surgery			15 Proposals	\$5,461,519
Drissi, M. Hicham	National Institutes of Health/DHHS/Columbia University	Modulation of injury-activated stem cells for enhanced tissue repair	11/10/2015	865,720
Kumbar, Sangamesh G.	National Science Foundation	Polysaccharide based Internal Fixation devices for Musculoskeletal Regeneration - A Prototype	10/05/2015	199,999
Mazzocca, Augustus	Arthrex, Inc.	UCHC Orthopaedic Research Assistance Funding	10/05/2015	408,474
Guzzo, Rosaria M	National Institutes of Health/DHHS	Epigenetic control of chondrogenic differentiation and cartilage homeostasis	11/02/2015	438,625
Laurencin, Cato	National Science Foundation	EFRI Research Experience and Mentoring (Parent Log #20130051)	11/03/2015	99,516

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Kumbar, Sangamesh G.	Department of Defense	OR150090 Novel approach for peripheral nerve regeneration using ionically-conducting polymers	11/13/2015	499,762
Zanotti, Stefano	Arthritis National Research Foundation	Mechanisms of Notch induced inflammation and fibrosis in osteoarthritis.	11/24/2015	100,000
Kumbar, Sangamesh G.	Connecticut Innovations, Inc.	Ionically Conducting Grafts for the Delivery of Stem Cells and Electric Stimulus for Peripheral Nerve Regeneration	11/24/2015	199,999
Moss, Isaac	Connecticut Innovations, Inc.	Articular Chondrocytes, PDGF and BMP-2 for Regeneration of the Intervertebral Disc	11/25/2015	749,913
Nukavarapu, Syam	Connecticut Innovations, Inc.	A Novel Matrix System for Bedside Tissue Engineering Using Patient-derived Biomaterial and Stem Cells	12/02/2015	749,880
Sanjay, Archana	Connecticut Innovations, Inc.	Examine the regenerative potential of unique osteogenic progenitors	12/02/2015	199,991
Drissi, M. Hicham	Connecticut Innovations, Inc.	Drug/matrix/cell therapy to regenerate hyaline cartilage in large joint defects	12/03/2015	749,985
Guzzo, Rosaria M	University of Connecticut - Storrs	Epigenetic control of cartilage homeostasis	12/23/2015	25,000
Laurencin, Cato	Department of Defense/Rutgers, the State University of New Jersey	Extremity Regeneration Technology/Therapeutic Development	12/23/2015	149,655
Nair, Lakshmi S.	University of Connecticut/University of Connecticut - Storrs	Nanostructured miRNA-based Therapeutics to enhance bone regeneration	12/30/2015	25,000
Pediatrics			9 Proposals	\$3,860,405
Rath, Abhijit	Connecticut Innovations, Inc.	Intestinal Organoid Screen to Identify Novel Therapies Against Mismatch repair-Deficient Colorectal Cancer	12/10/2015	200,000
Cervantes, Jorge L	American Lung Association	Differential recognition of Mycobacterium tuberculosis nucleic acids by human endosomal TLRs	12/15/2015	80,000
Salazar, Juan C.	Yale University/Connecticut Children's Medical Center	Implementing ePROMISE to improve the HIV Treatment and Prevention Continuum of Care in Young MSM	12/17/2015	114,956
Bookland, Markus	Neurosurgery Research and Education Foundation	Evaluation and Optimization of p38SJ Phosphorylation-Modulated Effects on Malignant Pediatric Brain Tumors and Cranial Irradiation Therapy	11/16/2015	40,000
Fink, Christine	Connecticut Innovations, Inc.	Isolation and Differentiation of Breast Milk Stem Cells and their Influence on Infant Intestinal Health	12/08/2015	200,000
Sayej, Wael	National Institutes of Health/DHHS	Novel In-Vitro and Biomimetic System for Patient Specific Testing for Eosinophilic Esophagitis	10/07/2015	456,962
Al-Naggar, Iman	Connecticut Innovations, Inc.	Human Embryonic Stem Cell Resilience to Senescence Factors and an Aging Milieu	12/10/2015	200,000
Sayej, Wael	Connecticut Innovations, Inc.	Investigating the Therapeutic Potential of Amniotic Fluid Stem Cells in Eosinophilic Esophagitis	12/09/2015	200,000
Schramm, Craig M	National Institutes of Health/DHHS	B Cell and Microbiome Regulation of Murine Asthma	10/30/2015	2,368,487
Psychiatry			12 Proposals	\$14,518,073
Kaminer, Yifrah	National Institutes of Health/DHHS/Yale University	Adaptive Treatment in Adolescent SUD: Individual Variation in Cognitive Control and Reward Response	10/22/2015	1,730,993
Grasso, Damion	National Institutes of Health/DHHS	Prenatal Mechanisms of Transmission of Trauma-Related Psychopathology and Substance Use Risk: Epigenetic ...	10/08/2015	756,184
Manning, Kevin J	Alzheimer's Association	Physical Mobility and Driving in Subjective and Mild Cognitive Impairment	10/28/2015	99,309
Kaminer, Yifrah	National Institutes of Health/DHHS/Hartford Hospital	Psychotherapy Effects on Frontostriatal Networks in Dual-Diagnosis Adolescents	10/28/2015	79,366

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Grasso, Damion	Connecticut Children's Medical Center	Family Violence Victim Screening and Response in Shelters and Pediatric Health Care Settings	12/30/2015	50,287
Kaminer, Yifrah	National Institutes of Health/DHHS	Adolescent Cannabis Use Disorders; Adaptive Treatment for Poor Responders to EBP	12/14/2015	3,318,034
Lieberman, Rich	Connecticut Innovations, Inc.	Regulation of the NMDA NR2A Subunit following Withdrawal from Chronic Alcohol in Human iPSC-Derived Neural Cells	12/10/2015	200,000
Barry, Lisa Cataldi	National Science Foundation/University of Connecticut - Storrs	CyberSEES Type 2: Fault Detection	12/07/2015	160,469
Kamath, Jayesh	National Science Foundation/University of Connecticut - Storrs	Life Rhythm: A Framework for Automatic and Pervasive Depression Screening Using Smartphones	12/03/2015	111,856
Covault, Jonathan M	National Institutes of Health/DHHS/Yale University	Zonisamide Treatment of Alcohol Use Disorder: An Evaluation of Efficacy and Mechanism of Action	10/28/2015	1,926,398
Steffens, David C.	National Institutes of Health/DHHS	1/2 Phenotype-Genotype Predictors of Cognitive Outcomes in Geriatric Depression	11/04/2015	2,191,762
Briggs-Gowan, Margaret	National Institutes of Health/DHHS	How early childhood neurodevelopment and experience shape patterns of fear-related syndromes	11/12/2015	3,893,415
Surgery			6 Proposals	\$5,257,182
Klueh, Ulrike	Juvenile Diabetes Foundation	Role of Insulin Diluents in Tissue Trauma, Inflammation and Blood Glucose Regulation During CSII	11/24/2015	1,984,924
Stevenson, Christina	Komen (Susan G.) Breast Cancer Foundation	Community Breast Navigation in the Greater Hartford Area.	12/01/2015	80,000
Albertsen, Peter C	Patient-Centered Outcomes Research Institute	Assessment & dissemination of patient views about key outcomes following randomization to or selection of surgery, radiation or active monitoring for clinically localized prostate cancer	10/29/2015	1,990,906
Kreutzer, Don L	National Institutes of Health/DHHS	Novel Biomarkers in Progression and Pathogenesis of Early Stage T1D	11/06/2015	616,000
Kreutzer, Don L	Connecticut Innovations, Inc.	Biomarker for Diabetic Foot Ulcers	10/05/2015	30,000
Kreutzer, Don L	Connecticut Innovations, Inc.	Biomarker for Mesh-Based Tissue Repair	12/11/2015	555,352
Traumatology and Emergency Medicine			1 Proposals	\$24,150
McKay, Charles	Denver Health and Hospital Authority	CT Poison Control RADARS Surveillance System (work orders 28, 29, 30)	12/30/2015	24,150
University of Connecticut Health			178 Proposals	\$129,965,820
Grand Total			574 Proposals	\$306,567,058

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
College of Agriculture, Health and Natural Resources			36 Proposals	\$18,462,780
Agricultural and Resource Economics			2 Proposals	\$3,733,257
Dunn, Richard A	PHS/NIH/National Institute on Alcohol Abuse and Alcoholism	New Estimates of the Prevalence and Risk of Drinking and Driving in the United States Using the Fatality Analysis Reporting System	10/23/2015	1,933,257
Swallow, Stephen K	NSF/National Science Foundation	CNH-L: Ecosystem Service Values, Human Behavior, and Natural Forces as Dynamic Drivers of Coastal Change: Adaption Choices, Incentives, Feedbacks and Resilience	11/16/2015	1,800,000
Allied Health Sciences			2 Proposals	\$1,500,000
Lai, Laijun	Connecticut Innovations, Inc	Generation of Hematopoietic Stem Cells (HSCs) from Human ESC-Derived or Adult HSC Precursors	12/02/2015	750,000
Lai, Laijun	Connecticut Innovations, Inc	Treating T Cell Immunodeficiency in DiGeorge Syndrome by ESC- and iPSC-Derived Thymic Epithelial Cells	12/02/2015	750,000
Animal Science			3 Proposals	\$117,618
D'Amico, Dennis	Walker (George) Milk Research Fund	Efficacy of Protective Cultures to Control Listeria Monocytogenes in Milk and Cheese	11/05/2015	15,703
Tian, Xiuchun C	USDA/Agricultural Research Service	Improving Cloning Efficiency	10/01/2015	101,915
Venkitanarayanan, Kumar S	USDA/National Institute of Food and Agriculture	Natural and Environment Friendly Interventions for Improving the Microbiological Safety of Cucumbers and Tomatoes in the Farm to Retail Continuum	12/02/2015	
Extension			6 Proposals	\$1,045,750
Dietz, Michael E	CT Department of Energy and Environmental Protection	Education and Outreach Support for the Connecticut MS4 General Permit	12/09/2015	
Griffiths-Smith, Faye I	Consumer Federation of America	Connecticut Saves Week 2016 Campaign	11/18/2015	2,000
Martin, Jennifer L	USDA/National Institute of Food and Agriculture	CT Grown for All: Farm-to-City Innovations and a Statewide Strategy for Nutrition Incentive Program Expansion	12/11/2015	746,172
Martin, Jennifer L	USDA/National Institute of Food and Agriculture/University of Delaware	Farmland Access and Building Equity on Leased Land in Connecticut	11/12/2015	40,794
Welch, Mary E	USDA/National Institute of Food and Agriculture/University of Missouri	2015 Connecticut Healthy Homes - Social Media	10/06/2015	18,000
Worthley, Thomas E	CT Department of Energy and Environmental Protection/USDA/Forest Service	Local Forest Stewardship Partnerships	10/08/2015	238,784
Kinesiology			1 Proposals	
Taylor, Beth	Alzheimer's Association	The Impact of APOE Genotype and Exercise Training on Cognition in Women	12/10/2015	
Natural Resources and the Environment			4 Proposals	\$4,144,967
Clausen, John	USDA/Natural Resources Conservation Service	Path to Reduce Pathogens in CT Agricultural Runoff	11/02/2015	904,503
Morzillo, Anita	USDA/Forest Service/CT Department of Energy and Environmental Protection	A "Stormwise Community" Initiative to Promote Roadside Forest Management at the Landscape Scale	10/05/2015	233,708
Rittenhouse, Tracy	CT Department of Energy and Environmental Protection	Genetic Mark-Recapture Population Estimate for Black Bears in CT	10/07/2015	8,400
Volin, John	NSF/EHR/Directorate for Education and Human Resources	Promoting Lifelong STEM Learning through a Focus on Conversation, Geospatial Technology and Community Engagement	10/30/2015	2,998,356
Nutritional Sciences			3 Proposals	\$871,201
Blesso, Christopher N	PHS/National Institutes of Health	Milk Sphingomyelin as a Modifier of the Gut-Liver Axis for Prevention of NAFLD	10/07/2015	419,652

Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Kohan, Alison	Connecticut Innovations, Inc	Using Primary Human Intestinal Organoids to Determine How SNPs in Apolipoprotein C-111 Link the Intestine with Cardiovascular Disease Risk	12/09/2015	247,508
Rodriguez, Nancy R	National Cattlemen's Beef Association	The Role of Beef in Optimal Protein and Feeding Strategies to Accelerate Recovery of Muscle Mass and Function Following ACL Repair	10/05/2015	204,041
Pathobiology			10 Proposals	\$6,526,618
Geary, Steven J	DOD/Defense Threat Reduction Agency	Investigating the Essential Role of Host Cyclophilin and Complementing Proteins in Poxvirus Replication	12/03/2015	2,641,790
Geary, Steven J	NSF/National Science Foundation	The Impact of Co-Infection on Pathogen Transmission Dynamics at the Wildlife-Domestic Animal Interface	11/10/2015	2,499,995
Levin, Milton J	DOC/NOAA/National Marine Fisheries Service	Establishing Serum Cytokine Reference Intervals for Harbor Seals (Phoca Vitulina)	10/01/2015	100,000
Levin, Milton J	DOC/NOAA/National Marine Fisheries Service/Alaska Department of Fish and Game	Are Contaminants Concentrations in Young Steller Sea Lions in the Western Aleutian Islands Associated with Altered Endocrine and Immune Systems?	12/17/2015	202,004
Levin, Milton J	DOC/NOAA/National Marine Fisheries Service/University of Alaska	Adverse Effects of Contaminants in Steller Sea Lions: Immune and Oxidative Stress Status	12/08/2015	18,617
Levin, Milton J	Morris Animal Foundation	Development of Serum Cytokine References Interval Values for Harbor Seals (Phoca Vitulina): A New Diagnostic Tool	11/11/2015	95,041
Smyth, Joan	PHS/DHHS/Food and Drug Administration	Connecticut Veterinary Medical Diagnostic Laboratory	11/18/2015	21,500
Szczepanek, Steven	Morris Animal Foundation	Drug Resistance Patterns of Fungal Pathogens that Cause Snake Fungal Disease and Phaeohyphomycosis	10/20/2015	98,469
Szczepanek, Steven	PHS/National Institutes of Health	Understanding the Mechanistic Role of IL-17 and Eosinophils in Mycoplasma Pneumoniae Vaccine-Induced Disease Exacerbation	10/05/2015	434,500
Zhou, Xiaohui	PHS/National Institutes of Health	Mechanism and Significance of Muricholic Acid-Mediated T3SS2 Inhibition in V. Parahaemolyticus Virulence	10/08/2015	414,702
Plant Science and Landscape Architecture			5 Proposals	\$523,369
Brand, Mark H	USDA/Agricultural Marketing Service/University of Nebraska	Toward Developing the Under-Utilized Aronia Berry as a Value-Added Crop	12/04/2015	149,737
Brand, Mark H	University of Vermont	Harnessing the Green Industry to Enhance Pollinator Landscape Habitat	10/01/2015	195,331
Chiriboga, Christian A	USDA/National Institute of Food and Agriculture/Cornell University	Educating the Next Generation of IPM Nursery/Greenhouse Professionals in a Changing Climate	11/17/2015	50,000
Concklin, Mary	USDA/Agricultural Marketing Service/University of Vermont	Web-Enhanced IPM Decision Support for New England Tree Fruit	11/30/2015	67,716
Henderson, Jason	New England Regional Turfgrass Foundation	Overseeding Strategies for Non-Irrigated, Pesticide-Free Athletic Fields	12/23/2015	60,585
College of Liberal Arts and Sciences			111 Proposals	\$54,937,210
Anthropology			1 Proposals	\$32,468
Batchvarov, Kroum N	EEF Expeditions/University of Southampton	Black Sea Project	12/14/2015	32,468
Chemistry			16 Proposals	\$7,733,911
Angeles-Boza, Alfredo M	DOC/National Oceanic and Atmospheric Administration	Role of Metal Ions in the Immune System of the Tunicates Styela Clava and Styela Plicata	11/09/2015	4,756
Angeles-Boza, Alfredo M	Lyme Disease Association	Combating the Lyme Disease Spirochaete with Oxidizing Agents	10/30/2015	9,161

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Angeles-Boza, Alfredo M	NSF/National Science Foundation	Molecular Origin of the Synergistic Effects Between Invertebrate Antimicrobial Peptides	10/20/2015	336,801
Basu, Ashis K	PHS/National Institutes of Health/Johns Hopkins University	Biochemical Studies on Fapy*dG With Eukaryotic Enzymes and in Mammalian Cells	12/24/2015	463,414
Cady, Clyde	CT Department of Education	Chemistry Next Generation Science Standards Development in Connecticut	10/08/2015	377,432
Howell, Amy R	PHS/National Institutes of Health/University of California at Davis	Streamlined Preparation of Glycolipids: New Synthetic Methods and Flow Chemistry as an Enabling Technology	10/02/2015	1,660,003
Kumar, Challa V	NSF/MPS/Directorate for Mathematics and Physical Sciences	Bioactive Graphene-Enabled Materials: Quantitation of Interactions	10/07/2015	419,875
Peczuh, Mark W	PHS/National Institutes of Health	A Post-Glycosylation Diversification Strategy to Develop Inhibitors of Protein Synthesis	10/01/2015	414,703
Pinkhassik, Evgueni	NSF/National Science Foundation	Functional Devices Made with Porous Hollow Nanocapsules	10/29/2015	644,316
Rouge, Jessica	American Asthma Foundation	Hybrid Nucleic Acid Nanocapsules for the Targeted Delivery of a GATA-3 Specific DNazymes and Anti-Inflammatory Agents to Bronchial Epithelial Cells	11/30/2015	
Rouge, Jessica	American Chemical Society/Petroleum Research Fund	Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons by a Biomimetic RNA-TiO2 Nanoparticle Conjugate	10/16/2015	110,000
Rusling, James F	Connecticut Innovations, Inc	Integrated 3D-Printed Microarray Spotter for Protein-Based Cancer Diagnostics'	10/06/2015	30,000
Rusling, James F	PHS/National Institutes of Health	Automated, 3D-Printed Immunoarrays for Ultrasensitive Detection of Cancer Biomarker Proteins	10/21/2015	2,512,073
Zhao, Jing	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: Plasmonic Properties of Bimetallic Nanoparticles and the Influence of Surface and Internal Structures	10/19/2015	299,902
Zhao, Jing	NSF/National Science Foundation	Novel Lateral Flow Fluorescence Biosensing Platform	10/12/2015	301,492
Zhao, Jing	NSF/National Science Foundation	OP: CDS&E: Collaborative Research: Reexamining the Electromagnetic Mechanism for the Surface Enhanced Raman Scattering	10/26/2015	149,983
Ecology and Evolutionary Biology			6 Proposals	\$313,022
Bagchi, Robert	NSF/National Science Foundation	Preliminary Proposal: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	12/23/2015	
Bagchi, Robert	NSF/National Science Foundation	Preliminary Proposal: NSFDEB-NERC: Shared Soil-Borne Pathogens and Indirect Interactions Among Plant Species Along a Precipitation Gradient	12/23/2015	
Wegrzyn, Jill L	USDA/Department of Agriculture/North Carolina State University	Towards Genomic Breeding in Forest Trees	10/06/2015	30,436
Yarish, Charles	DOC/NOAA/National Marine Fisheries Service/Earth Protect	Aquaculture and Ecosystems, Developing a Functional and Sustainable Tropical Marine Aquaculture System	10/06/2015	62,803
Yarish, Charles	DOE/Department of Energy/University of California, San Diego	High-Yield Seaweed Spray Culture in Greenhouses for Direct-to-Liquid Fuel Using IH2 and Industrial Flue Gas CO2	11/02/2015	199,243
Yarish, Charles	NSF/BIO/Directorate for Biological Sciences	Dissertation Research: Resolving the Population Genetic Structure of a Phenotypically Plastic Kelp (Laminariales); The Drive to Survive in Extreme Intertidal Habitats	10/06/2015	20,540
Economics			2 Proposals	\$51,572
Ross, Stephen L	CT Department of Education	Demand Analysis of School Choice in the Hartford School District	11/13/2015	1,572
Ross, Stephen L	PHS/National Institutes of Health/University of CT Health Center	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UConn-SAM)	11/02/2015	50,000

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
English			1 Proposals	\$32,120
King'oo, Clare C	NEH/National Endowment for the Humanities/James Madison University	The Independent Works of William Tyndale	11/18/2015	32,120
Geography			1 Proposals	\$27,500
Jolly-Ballantine, John A	National Geographic Society Education Foundation	The Connecticut Geographic Alliance Annual Grant	11/09/2015	27,500
Human Development and Family Studies			3 Proposals	\$234,336
Halgunseth, Linda	New York Community Trust/Fahs-Beck Fund	Parenting Risk and Protective Factors of Childhood Obesity in Latino Families	10/20/2015	20,000
Russell, Beth S	NSF/National Science Foundation/CT Childrens Medical Center	RA Position for Emily Simpson with CCMC	12/17/2015	49,926
Russell, Beth S	PHS/National Institutes of Health	Promoting Emotion Regulation in Substance Abusing Adolescents	10/01/2015	164,410
Integrative Geoscience			1 Proposals	\$43,489
Steinen, Randolph P	DOI/US Geological Survey/CT Department of Energy and Environmental Protection	Bedrock Geologic Map of the Wallingford Quadrangle, Connecticut	11/05/2015	43,489
Marine Sciences			13 Proposals	\$4,288,439
Baumann, Zofia	Rockfall Foundation	Investigating Hg Cycling and Bioaccumulation in Connecticut River Estuary	11/17/2015	14,904
Bucklin, Ann	NSF/National Science Foundation	Collaborative Research: Arctic and Sub-Arctic Habitat Use by the Copepods Calunas Glacialis and C. Finmarchicus - Physiological Niches in a Changing Ocean	10/14/2015	418,844
Cabaniss, Joseph T	DOC/National Oceanic and Atmospheric Administration/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for ESP Instrument & Mooring Deployment and Recovery	10/28/2015	66,768
Cabaniss, Joseph T	DOD/Navy/MAR Range Services	Charter of R/V CT MAR ROV Operations in Mid-Atlantic Bight	10/09/2015	57,344
Cabaniss, Joseph T	NSF/National Science Foundation/Hydroid, Inc.	Charter of R/V CT by Hydroid for Docking Station Test	10/30/2015	35,000
Cabaniss, Joseph T	NSF/National Science Foundation/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for AUV Docking Station Testing	10/28/2015	99,008
Cabaniss, Joseph T	NSF/National Science Foundation/Woods Hole Oceanographic Institution	Charter of R/V CT by WHOI for CSPP Buoy Recovery and AUV Testing	10/28/2015	77,000
Dierssen, Heidi	DOC/National Oceanic and Atmospheric Administration/Harbor Branch Oceanographic Institute	Towards Autonomous Detection and Classification of Live Bottom Cover at Mesophotic and Deep Coral Reef Environments using Hyperspectral Line Imaging and Broadband Micro-Lidar Techniques	12/21/2015	144,700
Lund, David	NSF/National Science Foundation	Collaborative Research: Upper Ocean Carbon Isotope Anomalies During Heinrich Stadial 1 - Testing the Biological Pump Hypothesis	10/08/2015	299,993
Mason, Robert	NSF/MPS/Directorate for Mathematics and Physical Sciences	Examining the Role of Nanoparticles in the Formation and Degradation of Methylated Mercury in the	10/23/2015	349,474
Vaudrey, Jamie M	Dominion Nuclear Company	Data Synthesis and Modeling of Nitrogen Effects on Niantic River Estuary	11/19/2015	58,000
Ward, J E	NSF/National Science Foundation	Collaborative Research: Microbial Communities of Bivalve Shellfish: Modulation of Disease Susceptibility and Immunological Processes	11/11/2015	2,367,894
Whitney, Michael	DOC/NOAA/National Marine Fisheries Service	The Impacts of Current and Future Climate Change on Connecticut Shellfisheries	10/27/2015	299,510
Mathematics			6 Proposals	\$1,385,533
Gan, Guojun	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Clustering Algorithms for Large Complex Data	10/15/2015	169,629

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Li, Zhongyang	NSF/MPS/Directorate for Mathematics and Physical Sciences	Phase Transitions and Scaling Limits in Lattice Models	10/27/2015	178,276
Teplyaev, Alexander	NSF/National Science Foundation	Random, Stochastic, and Self-Similar Equations	10/27/2015	443,278
Valdez, Emiliano	Society of Actuaries	Predictive Analytics with Big Data in Actuarial Science and Insurance	10/27/2015	345,950
Wu, Damin	NSF/National Science Foundation	Positivity in Complex Geomtry	10/19/2015	223,400
Xiao, Liang	NSF/MPS/Directorate for Mathematics and Physical Sciences	Instructional Workshop Proposal: Connecticut Summer School	10/28/2015	25,000
Molecular and Cell Biology			18 Proposals	\$23,250,612
Alexandrescu, Andrei T	NSF/National Science Foundation	Structures of Critical Nuclei and Intermediates in Amyloid Misfolding	11/13/2015	651,284
Broderick, Nichole A	PHS/National Institutes of Health	Mechanisms of Microbiome-Dependent Effects on Animal Development and Homeostasis	10/14/2015	2,342,912
Campellone, Kenneth G	PHS/National Institutes of Health	Cytoskeletal Functions in Cell Aging and Disease	11/04/2015	802,466
Cole, James L	PHS/NIH/National Institute of Allergy and Infectious Diseases	Mechanism for Activation of the Antiviral Kinase PKR	11/07/2015	380,821
Giardina, Charles A	Connecticut Innovations, Inc/University of CT Health Center	Intestinal Stem Cell-Stromal Interactions in UC Patients	12/08/2015	288,849
Giardina, Charles A	PHS/National Institutes of Health	(1) Intestinal Organoid Models for APC LOH	10/23/2015	424,601
Giardina, Charles A	PHS/National Institutes of Health	Apoptotic Signaling During M Phase	11/04/2015	414,702
Knecht, David A	NSF/National Science Foundation	Chemotaxis in the Absence of Gradients: Understanding Self-Generated Gradient Formation	10/23/2015	315,504
Lynes, Michael A	Connecticut Innovations, Inc	A Therapeutic Monoclonal Antibody for the Treatment of Inflammatory Bowel Disease	12/01/2015	
May, Eric R	NSF/National Science Foundation	Investigation into Mechanisms of Membrane Disruption by Non-enveloped Viruses	11/10/2015	573,370
Nelson, Craig E	Connecticut Innovations, Inc	A Catalog of Cell Types in the Early Organogenesis Embryo - A Single Cell Lineage Map, Phase 1	12/11/2015	750,000
Nyholm, Spencer	PHS/National Institutes of Health	Understanding the Regulation of Mucosal Epithelia and Innate Immunity Using Model Host/Microbe Systems	10/15/2015	6,715,000
O'Neill, Rachel J	Connecticut Innovations, Inc/University of CT Health Center	UConn-Wesleyan Stem Cell Core	11/27/2015	70,000
O'Neill, Rachel J	NSF/National Science Foundation	Collaborative Research: Impact of a Novel Retrotransposon Expansion on Centromere Function	11/04/2015	706,703
O'Neill, Rachel J	PHS/National Institutes of Health	Discovery and Clinical Impact of Human Satellite DNA Variants	10/05/2015	6,826,956
Papke, Robertson T	NSF/National Science Foundation	Collaborative Research: Characterization of Archaeal Biofilm Using Haloferax Volcanii as a Model Genetic System	11/05/2015	822,742
Zweifach, Adam	PHS/National Institutes of Health	Analogs of a Novel Immunosuppressive Compound	10/23/2015	158,000
Zweifach, Adam	PHS/National Institutes of Health	Developing a Screening Campaign for Immune Enhancers	10/23/2015	1,006,702
Physics			7 Proposals	\$1,690,193
Cote, Robin J	NSF/MPS/Directorate for Mathematics and Physical Sciences	Rydberg States to Probe Few- and Many-Body Phenomena	10/19/2015	327,842

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Gould, Phillip L	DOE/Department of Energy	Coherent Control with Ultracold Molecules	12/04/2015	434,538
Joo, Kyungseon	DOE/Department of Energy/UChicago Argonne	Electroproduction with Nucleon and Nuclear Targets Using CLAS and CLAS12	11/17/2015	128,176
Joo, Kyungseon	Jefferson Science Associates, LLC	Studies of the Beam Line Shielding to Improve the CLAS12 Luminosity	10/02/2015	81,000
Kovner, Alexander	NSF/National Science Foundation	Saturation Physics: NLO Precision and Quasi Collectivity	11/10/2015	0
Sinkovic, Boris	NSF/National Science Foundation	Correlating Electronic, Spin and Magnetic Structures of Topological Insulators	10/29/2015	416,804
Yelin, Susanne	NSF/MPS/Directorate for Mathematics and Physical Sciences	Superradiance in the Steady State: Study and Application of Cooperative Nonlinear Effects	10/22/2015	301,833
Physiology and Neurobiology			9 Proposals	\$9,109,677
Conover, Joanne	Connecticut Innovations, Inc	Stem Cell-Mediated Regenerative Repair in Hydrocephalus	12/03/2015	200,000
Kanadia, Rahul N	NSF/National Science Foundation	Understanding the Role of U11 snRNA in Cell Cycle Regulation	11/02/2015	682,297
Kanadia, Rahul N	PHS/National Institutes of Health	Understanding the Role of Minor Spliceosome in Cortical Development	11/02/2015	419,652
Menuz, Karen	PHS/National Institutes of Health	Modulation of Odor Encoding by Non-Neural Auxiliary Cells	10/01/2015	458,702
Nishiyama, Akiko	PHS/National Institutes of Health	Homeostatic Regulation of NG2 Cell Dynamics	10/23/2015	1,958,368
Tzingounis, Anastasios	PHS/National Institutes of Health	Cellular Physiology of Epilepsy-Associated KCNQ2 and KCNQ3 Channels	10/29/2015	1,934,368
Tzingounis, Anastasios	PHS/National Institutes of Health	Novel Approach To Reveal the PKA Sensitive Potassium Channels Mediating the sAHP	10/07/2015	424,601
Wang, Li	American Liver Foundation	LncRNA H19 in Liver Metabolic Disease	11/24/2015	12,500
Wang, Li	PHS/National Institutes of Health	Discovery and Modulation of New Regulatory Pathways of Liver Disease	10/22/2015	3,019,189
Political Science			1 Proposals	\$12,247
Richards, David L	Social Progress Imperative	Social-Progress-Data Creation	11/23/2015	12,247
Psychology			15 Proposals	\$5,094,750
Barnes-Farrell, Janet L	PHS/National Institutes of Health/University of CT Health Center	UCONN-SAM	10/20/2015	47,495
Chrobak, James J	American Psychological Foundation	What Determines the Strength of Memory Representations?: Investigations into Hippocampal Neurophysiology During Exposure to Novel Situations	12/08/2015	3,000
Dixon, James A	PHS/National Institutes of Health	Dissipation Driven Analog Simulations of Typical and Pathological Development	10/05/2015	1,920,827
Fitch, Roslyn H	PHS/National Institutes of Health	A Mouse Model for Communicative Disorders in ASD	10/13/2015	395,138
Henning, Robert A	Liberty Mutual Insurance	Organizational Readiness	12/30/2015	9,141
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	Outreach CORE	12/03/2015	320,612
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	P&E Core	12/03/2015	146,871
Henning, Robert A	PHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts at Lowell	Project B	12/03/2015	193,573
Large, Edward W	NSF/National Science Foundation	TBD	12/10/2015	
Molfese, Peter J	Dana (Charles A.) Foundation, Inc.	Biomarker and Bioimaging Validation of a Novel Cognitive Therapy for Fibromyalgia	11/09/2015	296,270

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Naigles, Letitia	PHS/National Institutes of Health	Brain Correlates and Early Predictors to School-Age Language	11/02/2015	1,579,197
Salamone, John D	PHS/National Institutes of Health	Regulation of Effort-Based Decision Making by DREADD Activation of Dopaminegic or Noradrenergic Circuits	10/13/2015	152,626
Smith, Rhiannon L	American Association of University Women	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	11/09/2015	20,000
Smith, Rhiannon L	American Psychological Association	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	11/05/2015	5,000
Smith, Rhiannon L	New York Community Trust/Fahs-Beck Fund	Friendship Dissolution in Adolescence: Considering the Factors Surrounding Dissolution and Their Associations with Adjustment	10/27/2015	5,000
Public Policy			1 Proposals	\$173,250
Raissan, Kerri M	PHS/National Institutes of Health	Re-Examining the Effects of Breastfeeding Based on Maternal Intentions	10/13/2015	173,250
Speech, Language and Hearing Sciences			1 Proposals	\$459,824
Theodore, Rachel M	PHS/National Institutes of Health	Determinants of Phonetic Category Structure in Language Impairment	10/21/2015	459,824
Statistics			9 Proposals	\$1,004,267
Bar, Haim Y	Google Inc.	Group Concept Mapping - Analytic Tools to Extract Information from "Pile Sorting" Surveys	10/13/2015	46,676
Bar, Haim Y	NSF/MPS/Directorate for Mathematics and Physical Sciences	Variable Selection When P>> N-- Beyond Linear Regression and Normal Errors Model	10/22/2015	315,550
Bar, Haim Y	National Science Centre Poland/Siedlce University of Natural Sciences and Humanities	Identification of Transcriptomic Markers of Maize Resistance to Cereal Aphids	12/02/2015	5,000
Chen, Kun	NSF/National Science Foundation	Integrative Multivariate Analysis of Multi-View Data	11/02/2015	317,791
Harel, Ofer	Connecticut Health and Educational Facilities Authority/University of CT Health Center	Imputation of Race and Ethnicity in Health Insurance Claims	12/01/2015	64,889
Harel, Ofer	Patient-Centered Outcomes Research Institute (PCORI)/University of CT Health Center	Improving Inference When Comparing Alternative Treatments: Combining Modern Statistical Models of Classifying Patients Based on Patterns of Successive Changes	10/27/2015	69,682
Wang, Xiaojing	Sanofi-Aventis U.S.	Bayesian Methods for Personalized Medicine	11/20/2015	64,683
Zhang, Yuping	Alzheimer's Association	Subtype Identification through Imaging Genetics for Alzheimer's Disease	10/28/2015	100,000
Zhang, Yuping	National Security Agency	Statistical Learning Methods for Longitudinal Biomedical Data	10/20/2015	19,996
NEAG School of Education			12 Proposals	\$7,750,744
Curriculum and Instruction			4 Proposals	\$3,336,998
Campbell, David T	NSF/EHR/Directorate for Education and Human Resources	Collaborative Research: Enhancing Teaching and Learning of Scientific Practices Through Modeling	11/27/2015	186,738
Casa, Tutita M	NSF/EHR/Directorate for Education and Human Resources	Writing Authentically in Mathematics (AIM): Electronically Blending Professional Development and Educative Teacher Guides	12/01/2015	2,999,417
Doyle, Mary	Manton Foundation/Yale University	Training Reading Recovery Teachers	10/05/2015	74,343
Wilson, Suzanne	ED/Department of Education/Connecticut Science Center	Advancing and Scaling Science Education's New Terrain (ASSENT): Developing Multi-Faceted Peer-Based Learning in Connecticut	10/07/2015	76,500
Educational Leadership			1 Proposals	\$117,587

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Lechasseur, Kimberly	NSF/National Science Foundation/North Carolina State University	Evaluation of the Mt. Airy ITEST Grant	10/27/2015	117,587
Educational Psychology			7 Proposals	\$4,296,159
Brown, Scott W	NSF/National Science Foundation/University of Illinois	Project SLiC (Scientifically Literate Citizenry)	10/23/2015	141,934
Coyne, Michael D	CT Department of Education	Connecticut K-3 Literacy Initiative 2015	11/08/2015	2,519,949
Goldstein, Jessica A	CT Office of Early Childhood	Connecticut Early Learning and Development Assessment System	10/07/2015	150,000
La Salle, Tamika P	CT Department of Education/Norwich Public Schools, CT	School Improvement Grant	10/05/2015	18,417
Perusse, Rachelle	Futures, Inc	School Counseling Internships - Meghan Coiro	10/26/2015	18,202
Sanetti, Lisa M	ED/Office of Special Education and Rehabilitative Services	Project PSYCHS2-(School) Psychologists Serving Youth through Coordinated Health Services in Schools	11/25/2015	1,223,934
Young, Michael F	NSF/National Science Foundation/Springfield Technical Community College	Enhancing Student Engagement and Motivation Through Interactive STEM Learning in the Context of the Internet of Things and its Applications	11/13/2015	223,723
School of Business			1 Proposals	
Center for Economic Analysis			1 Proposals	
Carstensen, Fred V	CT Hospital Association	Projecting the Dynamic Benefits of Investing in Hospitals	11/12/2015	
School of Engineering			122 Proposals	\$37,077,257
Biomedical Engineering			8 Proposals	\$1,481,132
Chon, Ki	DOD/Navy/Leidos	Human Blast Computer Modeling (Senior Design)	11/13/2015	7,000
Chon, Ki	PHS/National Institutes of Health/University of Massachusetts	Smartphone Monitoring for Atrial Fibrillation in Real-Time-India (SMART-India)	12/17/2015	70,752
Hoshino, Kazunori	Connecticut Innovations, Inc/University of CT Health Center	Ionically Conducting Grafts for the Delivery of Stem Cells and Electric Stimulus for Peripheral Nerve Regeneration	11/23/2015	20,000
Hoshino, Kazunori	DOD/Army/University of CT Health Center	Novel Approach for Peripheral Nerve Regeneration Using Ionically-Conducting Polymers	11/10/2015	60,000
Hoshino, Kazunori	NSF/National Science Foundation	Micromechanical Characterization of Cancer Spheroid- 3D Morphology and Transport	10/14/2015	450,000
Huang, Yen Chih	Connecticut Innovations, Inc	Engineering Cartilage Tissues from Human Pluripotent Stem Cells	12/08/2015	200,000
Huang, Yen Chih	NASA/National Aeronautics & Space Administration	3D Mircophysiological System of Skeletal Muscle	10/09/2015	525,278
Zheng, Guoan	PHS/National Institutes of Health	Fluorescence Ptychographic Microscope for 4D Live Cell Imaging with High-Spatiotemporal Resolution and Reduced Phototoxicity	11/09/2015	148,102
Center for Clean Energy Engineering			26 Proposals	\$6,934,629
Bazzi, Ali	NSF/National Science Foundation	NRT-IGE: Multidisciplinary Cohort-Thesis in Energy Systems: A Pilot Program	12/07/2015	
Bazzi, Ali	NSF/National Science Foundation	Supervisory and Switching Control of High-Performance Electric Drives	10/28/2015	398,791
Bollas, Georgios	DOE/Department of Energy/Precision Combustion, Inc	Experimental Analysis and Model Development of Pyrolysis/Combustion of Coal/Biomass in a Bench Scale Spouted Bed Reactor	10/14/2015	75,000
Cho, Yongku P	NSF/National Science Foundation	Impact of Gene Expression Dynamics: Transcription Factor Oscillations	11/06/2015	493,602
Cho, Yongku P	PHS/National Institutes of Health	Antibodies Against Post-Translation Modification of Tau	10/13/2015	414,703

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Kazerounian, Kazem	NSF/ENG/Directorate for Engineering	RET Site: Joule Fellows: Research Experience for Teachers in Sustainable Energy Technologies	10/26/2015	596,927
Lei, Yu	NSF/National Science Foundation/Health E-sense	Breath Sensor Technology for Routine Health Monitoring	12/02/2015	75,000
Maric, Radenka	Connecticut Innovations, Inc	Non-Invasive Diabetes Monitoring by Breath Analysis	10/02/2015	30,000
Maric, Radenka	NSF/National Science Foundation	GOALI: Core-Shell Electrocatalysts for Electrolyzers and Fuel Cells	10/16/2015	499,788
Maric, Radenka	NSF/National Science Foundation	NSF Engineering Research Center for Methane Utilization Nano-Systems (ERC-MUN)	10/09/2015	0
Pasaogullari, Ugur	DOE/Department of Energy/Sustainable Innovations	STTR Phase II: Hydrogen Contaminant Detector	12/08/2015	485,057
Pasaogullari, Ugur	NSF/National Science Foundation	Patterned Surfaces for Improved Light Absorption	10/13/2015	305,522
Singh, Prabhakar	NSF/National Science Foundation	NSF/DMR-BSF: Thermochemical Approaches of Materials Development and Processing for Gas Phase Chromium Absorption to Mitigate the Electrode Poisoning in SOFC	10/27/2015	800,000
Suib, Steven L	CT Department of Energy and Environmental Protection/Fraunhofer	Phase III - Production of High Surface Metal Area Metal Sulfide Materials - Fh - State	12/17/2015	50,000
Suib, Steven L	CT Department of Energy and Environmental Protection/Fraunhofer	Phase III - Production of Membranes	11/23/2015	52,500
Suib, Steven L	Fraunhofer	Phase III - Absorption of Sulfur and Nitrogen Impurities - Fh CEI	11/13/2015	50,000
Suib, Steven L	Fraunhofer	Phase III - Production of High Surface Metal Area Metal Sulfide Materials - Fh CEI	11/13/2015	50,000
Suib, Steven L	Fraunhofer	Phase III - Production of Membranes	11/13/2015	52,500
Suib, Steven L	Fraunhofer	Phase III - Production of Membranes	11/23/2015	0
Suib, Steven L	Fraunhofer	Phase III - Scale-Up of Battery Materials - Fh CEI	11/13/2015	50,000
Valla, Ioulia A	DOE/Department of Energy	Multifunctional Catalysts for the Valorization of Lignocellulosic Feedstocks to Drop-In Fuels and Chemicals	11/16/2015	750,000
Valla, Ioulia A	NSF/National Science Foundation	Engineering Novel Multifunctional MFI-Type Structures for Advanced BTX Production Derived from Lignocellulosic Resources	10/14/2015	315,141
Wagstrom, Kristina	NSF/National Science Foundation	Collaborative Research: Acceleration of Atmospheric Chemistry Calculations Using Dynamic Mechanism Reduction and GPU Technology	10/27/2015	249,873
Wagstrom, Kristina	NSF/National Science Foundation	Quantifying Source-Specific Contributions of Atmospheric Deposition to Eutrophication of American Waterways	10/13/2015	300,000
Willis, Brian G	DOD/Navy/Office of Naval Research	Integration of Biomolecular Recognition Elements with Solid-State NanoDevices for Chemical Sensors with Specificity	11/17/2015	440,225
Zhang, Peng	NSF/National Science Foundation	Enabling Reliable Networked Microgrids for Distribution Grid Resiliency	10/26/2015	400,000
Chemical and Biomolecular Engineering			6 Proposals	\$1,756,513
Bollas, Georgios	NSF/National Science Foundation	Dynamics of Power Plants with CO2 Capture	10/19/2015	187,962
Lei, Yu	DOI/US Geological Survey	Microfluidic-Based Biosensor Chip for Rapid and Calibration-Free Detection of Viable E. Coli and Total Coliforms for Water Quality Control	10/23/2015	50,000
Lei, Yu	NSF/ENG/Directorate for Engineering	Digital, Rapid and Calibration-Free Detection of Viable E. Coli and Total Coliforms for Water Quality Monitoring	10/26/2015	513,026
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Advanced Biomanufacturing of Functional Bionanoparticles for Biomedical Engineering Applications	10/16/2015	321,177

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Non-Invasive, Paper-Based Cancer Biomarkers Detection Using Universal Protein Multi-Functional Outer Membrane Vesicles Platforms	10/12/2015	209,833
Willis, Brian G	NSF/ENG/Directorate for Engineering	Integration of Biomolecular Recognition Elements with Solid State Devices	10/14/2015	474,515
Civil and Environmental Engineering			8 Proposals	\$1,560,472
Anagnostou, Emmanouil N	Housatonic Valley Association	Planning for Climate Resilient and Fish-Friendly Road/Stream Crossings in Connecticut's Northwest Hills	12/07/2015	12,848
Anagnostou, Emmanouil N	U.S. Agency for International Development	Water Conservation Activity	12/21/2015	0
Astitha, Marina	Electric Power Research Institute (EPRI)	Understanding the Information Embedded in Observations and Regional Air Quality Model Outputs and Using Models for Regulatory Assessments	10/06/2015	220,398
Chrysochoou, Maria	EPA/Environmental Protection Agency	New England Center for Brownfield Redevelopment	12/16/2015	1,009,023
Malla, Ramesh B	University of Hartford	Analysis of Lunar Habitats	12/18/2015	0
Mellor, Jonathan E	NSF/National Science Foundation	NRT-INFEWS: In Search of Security: An Interdisciplinary Training Program on Global Water Challenges	12/09/2015	
Wille, Kay	CT Office of the Attorney General	Investigating the Deterioration of Basement Walls Made of Concrete in CT	10/30/2015	91,062
Zhang, Wei	NSF/National Science Foundation	CDS&E: Collaborative Research: Real-time Video-Driven Scour Diagnosis of Civil Infrastructures	10/12/2015	227,141
Computer Science and Engineering			22 Proposals	\$7,102,480
Bansal, Mukul S	NSF/National Science Foundation	Collaborative Research: Integrating the Geological and Genomic Records: Time-Calibrating Earth's Dynamic Biogeochemical History	10/19/2015	316,714
Bansal, Mukul S	NSF/National Science Foundation	Understanding Horizontal Gene Transfer in Bacteria and Archaea: Units of Transfer and Modes of Integration	11/04/2015	696,381
Han, Song	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	SCH: INT: Collaborative Research: An Integrative Framework for Data-Driven Gait Physical Therapy: Monitoring, Evaluation and Intervention	12/02/2015	552,557
Han, Song	NSF/National Science Foundation	CRI Pre-Proposal: II-New: A Hybrid Software-Defined Real-Time Network Testbed for Cyber-Physical Sensing and Control Applications	11/04/2015	
Han, Song	NSF/National Science Foundation	CSR: NeTS: Small: Collaborative Research: A Configurable Real-Time High-Speed Wireless Platform for Large-Scale Networked Control Systems	11/10/2015	262,971
Huang, Chun-Hsi	NSF/National Science Foundation	CRI Pre-proposal: II-NEW: Software Defined Inter-Networking for Extreme-Scale Data Analytics	11/10/2015	0
Huang, Chun-Hsi	NSF/National Science Foundation	NeTS: SHF: Small: Software-Defined Inter-Networking for Extreme Scale Data Analytics	11/13/2015	488,909
Huang, Chun-Hsi	NSF/National Science Foundation	PRAC: Peta-Scale Modeling and Simulation Network Biology	11/09/2015	40,000
Khan, Mohammad M	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	CSR: Management and Tuning of Configuration Settings in Large-Scale Cloud Platforms	11/16/2015	499,488
Mandoiu, Ion I	Connecticut Innovations, Inc/University of CT Health Center	Genomic-Driven Personalized Immunotherapy of Human Ovarian Cancer	12/02/2015	249,969
Mandoiu, Ion I	NSF/National Science Foundation	AF:Small:Collaborative Research: Algorithmic Techniques for Inferring Transmission Networks from Noisy Sequencing Data	11/10/2015	199,999
Peters, Thomas J	NSF/National Science Foundation	AF: SMALL: Computational Topology, Knot Energy and Visual Analytics	11/04/2015	494,980
Russell, Alexander	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Secure Computation via the Lens of Quantum Mechanics	12/04/2015	2,291

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Russell, Alexander	NSF/National Science Foundation	TWC: Small: Collaborative: Cliptography	10/21/2015	249,827
Sheehy, Donald R	DOE/Department of Energy	Massive Multiscale Spatial Data Analysis	11/10/2015	751,173
Shin, Dong	CT Office of the Healthcare Advocate	Online Complaint Submission Interface	12/11/2015	25,000
Shin, Dong	DOD/Army	Production of Autologous BMSC-Derived Progenitor Cells Competent for a Successful Segmental Bone Repair in Human Subjects	12/18/2015	540,961
Shin, Dong	PHS/National Institutes of Health	Topology-Based Pathway Scoring System (TOPAS)	11/16/2015	470,364
Wang, Bing	Raytheon Company/University of South Florida	UGREE-GENI: Understanding GENI Infrastructures for Research and Educational Experiments in Computer Networking and Security	12/08/2015	6,256
Wang, Fei	Keck (W. M.) Foundation/State University of New York	Statistical Science Meets Precision Medicine: Moving Forward...	10/19/2015	59,286
Wang, Fei	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	Learning Patient Similarities from Heterogeneous Data: Methods and Applications	12/04/2015	695,948
Wang, Fei	NSF/National Science Foundation	III: Small: Robust Comprehensive Predictive Modeling Framework for Hypothesis Generation in Precision Medicine	11/16/2015	499,406
Connecticut Transportation Institute			6 Proposals	\$6,137,526
Anagnostou, Emmanouil N	CT Department of Transportation	Resiliency Analysis to Storm Surge for I-95 Right-of-Way at Long Wharf/New Haven, CT	11/02/2015	64,500
Ivan, John N	DOT/Federal Highway Administration	Sabbatical Research at Turner Fairbank Highway Research Center	11/16/2015	86,998
Jackson, Eric D	CT Department of Transportation	The Connecticut Transportation Safety Research Center: Years 4 to 9	12/11/2015	5,638,069
Jackson, Eric D	Department of Transportation/CT Department of Transportation	Training Opportunity for CTDOT's New MMUCC Compliant Police Crash Report (PR1)	10/02/2015	197,960
Lownes, Nicholas	DOT/Department of Transportation	Multimodal Public Transportation System Connectivity Performance Measures	12/09/2015	
Mahoney, James M	New England Transportation Consortium	Moisture Susceptibility Testing for HMA Pavements in New England	12/09/2015	149,999
Electrical and Computer Engineering			21 Proposals	\$5,031,295
Bollas, Georgios	NSF/National Science Foundation	DELTA: Data Enabled Learning Traineeship Access Program in Systems Engineering	12/09/2015	
Chandy, John A	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	TWC: Small: Platform-Based Approach to Secure Embedded Systems Design	11/17/2015	490,024
Enderle, John D	VA/Boston Healthcare System	2015-16 Clinical Engineering Internship Program at the Boston VA Healthcare System	10/19/2015	96,234
Enderle, John D	VA/Boston Healthcare System	2015-16 Clinical Engineering Internship Program at the Boston VA Healthcare System	10/16/2015	96,234
Enderle, John D	VA/Connecticut Healthcare System	2014-16 Clinical Engineering Internship Program at the West Haven VA Hospital	10/16/2015	43,299
Enderle, John D	VA/Connecticut Healthcare System	2015-16 Clinical Engineering Internship Program at the West Haven VA Hospital	10/16/2015	43,299
Gokirmak, Ali	NSF/National Science Foundation	Phase Change Logic Elements	10/28/2015	403,093
Gupta, Shalabh	NSF/National Science Foundation	Human-Machine Interaction Based Service System for Energy-Efficient HVAC Systems for Smart Campuses	12/02/2015	
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	Design and Processing of Low Phase Noise Laser and Gain Chip	10/19/2015	20,000
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	Distributed Bragg Reflector Laser Development	11/02/2015	30,000
Jain, Faquir C	DOD/Navy/Naval Undersea Warfare Center	MEMs Xylophone Antenna Development	11/04/2015	20,000

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Jain, Faquir C	NSF/ENG/Directorate for Engineering	CMOS Compatible Quantum Dot Channel Enhanced Fast-Erase Nonvolatile Random Access Memory (NVRAM)	10/19/2015	398,322
Khan, Omer	NSF/National Science Foundation	STARSS: Small: SANCTUM: A Privacy-Aware Secure Processor Architecture for Data-center Setting	11/05/2015	255,088
Pattipati, Krishna R	DOD/U.S. Naval Research Laboratory	Atmospheric Effects Analysis and Prediction	10/20/2015	780,383
Van Dijk, Marten E	NSF/National Science Foundation	STARSS: Small: HaTCh - A Formal Framework of Hardware Trojan Design and Detection	11/13/2015	329,529
Van Dijk, Marten E	NSF/National Science Foundation	TWC: Small: Self-Recovering Certificate Authorities using Backward and Forward Secure Key Management	11/13/2015	327,159
Wang, Lei	NSF/CISE/Directorate for Computer and Information Sciences and Engineering	CSR: Small: Resource-constrained Signal Reconstruction for IoT Applications	11/12/2015	499,852
Wang, Lei	NSF/ENG/Directorate for Engineering	Circuits and Systems Enabling Energy Scavenging from Living Microorganisms for Self-powered Sensing	10/27/2015	449,817
Wang, Lei	NSF/National Science Foundation	STARSS: Small: Collaborative: Chip Piracy Resilience for IoT Platforms	11/10/2015	299,989
Willett, Peter K	Naval Postgraduate School	Representing Targets as Systems: Feature-Aided Tracking for Asymmetric Threats	11/25/2015	448,973
Zhang, Peng	NSF/National Science Foundation	Smart Power Systems for Improving Resilience to Extreme Weather Events	12/02/2015	0
Engineering Dean			3 Proposals	\$624,399
Bozorgmanesh, Hadi	Connecticut Innovations, Inc	Connecticut Innovation and University Bioscience Grant	10/09/2015	314,000
Burkey, Daniel D	NSF/EHR/Directorate for Education and Human Resources	Engineers at Play: The Impact of Game-Based Learning on 1st Year Engineering Students	10/28/2015	299,999
Ghiaei, Aida	NSF/National Science Foundation/Eastconn	Job Embedded Professional Learning Services to Quinebaug Middle College	11/24/2015	10,400
Materials Science and Engineering			3 Proposals	\$834,349
Burkey, Daniel D	NSF/National Science Foundation/Rowan University	Enhancing Engineering Communication Through Genuine Authentic Mobile Exercises	12/11/2015	39,898
Carter, C B	NSF/MPS/Directorate for Mathematics and Physical Sciences	Tantalum: Structure, Deformation and Defects in Bulk and Thin Films	10/19/2015	396,648
Ramprasad, Ramamurthy	NSF/MPS/Directorate for Mathematics and Physical Sciences	Insulators Under Extreme Electric Fields	10/02/2015	397,803
Mechanical Engineering			19 Proposals	\$5,614,462
Cetegen, Baki	United Technologies-Pratt & Whitney	Studies on Premixed Reacting Jets in Vitiated Crossflow	12/16/2015	68,000
Chen, Xu	American Chemical Society/Petroleum Research Fund	Model-based Adaptive Control and Supervision for Autonomous Offshore Drilling	10/08/2015	110,000
Chiu, Wilson K	DOE/Department of Energy/Clemson University	Technetium Partitioning, Retention and Mobility in Durable Waste Forms	10/27/2015	360,000
Fan, Tai-Hsi	NSF/MPS/Directorate for Mathematics and Physical Sciences	Implications of Nectar Uptake on Hummingbird Foraging	10/19/2015	457,627
Fan, Tai-Hsi	NSF/National Science Foundation	Collaborative Research: Evaporation of Nanofuels	10/01/2015	260,000
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux Measurement of TBC with MW & LW IR Camera	11/12/2015	200,000
Ladani, Leila	NSF/National Science Foundation	Multi-Scale Manufacturing of Multifunctional Composite Materials	10/05/2015	200,000
Li, Ying	NSF/ENG/Directorate for Engineering	Predictive Multiscale Modeling on Viscoelastic Properties of Polymer Nanocomposites	10/23/2015	316,387

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Lykotrafitis, George	NSF/National Science Foundation	Physiology of Small-Conductance Calcium-Activated Potassium Channels (SK) in Neurons	10/14/2015	556,748
Norato Escobar, Julian A	University of Hartford	A Geometry Projection Method for the Topology Optimization of a Skin-Space Frame System	10/06/2015	10,000
Pierce, David M	PHS/National Institutes of Health/University of Colorado at Boulder	Functional Gradients as Biomarkers for Disease Progression	11/17/2015	1,109,810
Sung, Chih-Jen	Beihang University	Accelerating Turbulence-Chemistry Interaction Modeling in Reactive-Flow Simulations	11/09/2015	185,362
Tang, Jiong	NSF/ENG/Directorate for Engineering	Collaborative Research: Non-Contact Sensing for Structural Health Monitoring	10/27/2015	224,021
Tasoglu, Savas	Connecticut Innovations, Inc	Micro-Robotic Assembly for 3D Tissue Engineering	11/24/2015	199,999
Tasoglu, Savas	NSF/ENG/Directorate for Engineering	Flow Assisted, Low Cost, Mobile Magnetic Cytometry for Disease Detection and Monitoring	10/26/2015	451,053
Tasoglu, Savas	PHS/National Institutes of Health	Nature-Mimicking Engineered Microfluidic Channels as a Tool to Investigate Sperm Ion Channel Modulators	10/07/2015	437,726
Tasoglu, Savas	PHS/National Institutes of Health	Portable 3D Printed Device for Digital Sickle Cell Monitoring	11/11/2015	149,092
Tasoglu, Savas	PHS/National Institutes of Health/Brigham and Women's Hospital	In-Vitro Reproductive Tract on a Chip	11/10/2015	208,637
Zhao, Xinyu	American Chemical Society/Petroleum Research Fund	Computational Investigations of Lean Blow-Off Mechanisms for a Bluff-Body Stabilized Flame	10/06/2015	110,000
School of Law			1 Proposals	\$65,553
School of Law			1 Proposals	\$65,553
Wilson, Richard A	Research Council of Norway	Regulating Inciting Speech and Preventing Mass Atrocities	10/06/2015	65,553
School of Nursing			11 Proposals	\$4,306,026
School of Nursing			11 Proposals	\$4,306,026
Baumbauer, Kyle M	Connecticut Innovations, Inc	Utilization of Derived Mesenchymal Stem Cells for Treatment of Spinal Cord Injury-Induced Pain	12/10/2015	198,297
Briere, Carrie-Ellen	PHS/National Institutes of Health	Stemness of Breastmilk and Preterm Intestinal Health Outcomes	10/05/2015	984,586
Cusson, Regina	VentureWell	Healthcare Innovations Program	10/29/2015	30,000
Lucas, Ruth F	Sigma Theta Tau International (STTI)	A Feasibility Study to Measure Infants' Microstructure of Sucking During Breastfeeding	11/27/2015	5,000
McGrath, Jacqueline M	Jonas Center for Nursing Excellence	Jonas Nurse Scholars	10/06/2015	40,000
Polifroni, Elizabeth C	HHS/Health Resources and Services Administration	UConn SON Retention: The 3 R's	11/03/2015	344,363
Polifroni, Elizabeth C	PHS/Health Resources and Services Administration	UConn Preparing Tomorrow's Nurse Educators: NFLP 2016	11/20/2015	242,263
Ramesh, Divya	PHS/National Institutes of Health	Cannabis Use in the Management of Chronic Low Back Pain	10/12/2015	429,550
Shellman, Juliette M	Hartford (John) Foundation	Seniors as Change Agents to Improve Mental Health Care in the Community	10/13/2015	10,000
Shelton, Deborah	PHS/DHHS/Agency for Healthcare Research and Quality	Accelerating Knowledge Translation to Optimize Quality of Care Behind Bars	10/12/2015	100,000
Starkweather, Angela R	PHS/NIH/National Institute of Nursing Research	Center for Accelerating Precision Pain Self-Management	11/23/2015	1,921,967
School of Pharmacy			17 Proposals	\$7,686,906

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Pharmaceutical Sciences			16 Proposals	\$7,435,549
Aneskievich, Brian J	Connecticut Innovations, Inc	Regulation of Post-Receptor Signaling in Balancing Epidermal Regeneration and Differentiation	12/07/2015	750,000
Balunas, Marcy J	American Foundation for Pharmaceutical Education	Chemical Investigation of Significantly Homologous Bacterial Isolates from the Squid Euprymna Scolopes	12/15/2015	10,000
Burgess, Diane J	PHS/DHHS/Food and Drug Administration	In Vitro - In Vivo Correlations of Parenteral Microsphere Drug Products	10/22/2015	124,999
Chaudhuri, Bodhisattwa	PHS/DHHS/Food and Drug Administration/National Institute of Pharmaceutical Technology and Education	Continuous, Scalable Printing Methods for Solid Oral Dosage Manufacturing	12/10/2015	500,000
Hadden, Kyle	American Foundation for Pharmaceutical Education	Repurposing Itraconazole as an Anticancer Chemotherapeutic	12/15/2015	10,000
Hadden, Kyle	American Foundation for Pharmaceutical Education	Synthesis and Evaluation of Vitamin D3 Analogues as Hedgehog Pathway Inhibitors with Anti-Cancer Potential	12/15/2015	10,000
Kendall, Debra A	PHS/National Institutes of Health	Beta-Arrestin Signaling from the Cannabinoid 2 and mu Opioid Receptors	10/26/2015	439,400
Kendall, Debra A	U.S.-Israel Binational Science Foundation/Hebrew University of Jerusalem	Oleoyl-L-Valinolamide Obesity & Type 2 Diabetes	11/05/2015	46,032
Lu, Xiuling	PHS/National Institutes of Health	Cutting the Root: Inhibiting Chemoresistant Cancer Stem Cells using Nanoparticle-Mediated Drug Delivery	10/07/2015	3,580,551
Pikal, Michael J	PHS/DHHS/Food and Drug Administration/National Institute of Pharmaceutical Technology and Education	Effect of Formulation and Process Variations on Aggregation and Chemical Degradation in Model Therapeutic Proteins: Impact of Scale-Up	12/14/2015	250,000
Rasmussen, Theodore	Connecticut Innovations, Inc	IncRNA-Mediated Regulation of Apo Genes	12/09/2015	200,000
Rasmussen, Theodore	PHS/National Institutes of Health/University of CT Health Center	Genetic/Epigenetic Control of P4 Signaling and Human Granulosa/Luteal Cell Function	10/23/2015	260,614
Vinogradova, Olga	NSF/BIO/Directorate for Biological Sciences	Nanodiscs as a Model System for In-Vitro Studying of Integrins at Water-Membrane Interface	10/28/2015	593,785
Wright, Dennis	Connecticut Innovations, Inc/University of CT Health Center	Imaging Probes for Fibrosis Detection and Clinical Management	12/18/2015	163,545
Wright, Dennis	PHS/National Institutes of Health/University of CT Health Center	Advancing Imaging Probes for Retinal Injury and Fibrotic Disease	10/08/2015	72,022
Zhong, Xiaobo	PHS/National Institutes of Health	The Role of H19, A Long Non-Coding RNA, in Postnatal Liver Maturation	10/05/2015	424,601
Pharmacy Practice			1 Proposals	\$251,357
Chamberlin, Kevin W	PHS/Department of Health and Human Services/University of CT Health Center	University of Connecticut Primary Care Training and Enhancement Grant	12/03/2015	251,357
School of Social Work			5 Proposals	\$555,914
School of Social Work			5 Proposals	\$555,914
Lin, Hsiu-Ju	PHS/NIH/National Institute on Minority Health and Health Disparities/Yale University	Building Resilient Neighborhoods and Positive Social Networks to Prevent Gun Violence	10/14/2015	243,052
Parr, Kathryn E	CT Department of Children and Families/University of CT Health Center	Recovery Specialist Voluntary Program (RSVP)	10/28/2015	24,332
Parr, Kathryn E	PHS/Substance Abuse Mental Health Services Administration/CT Department of Mental Health and Addiction Servi	Technology Assisted Recovery Case Management Services (TARCaMs)	12/21/2015	167,995
Rodis, Eleni T	CT Department of Mental Health and Addiction Servi	Gambling Services Evaluation	10/06/2015	90,611

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Smith, Tanya R	New York Community Trust/Fahs-Beck Fund/City University of New York	Voter Empowerment Campaign: Developing a Model for Schools of Social Work	10/14/2015	29,924
Academic and Service Programs			3 Proposals	\$4,070,182
Global Affairs			2 Proposals	\$1,237,007
Pietro, Roy E	DOS/Department of State	FY 2016 Study of the U.S. Institutes for Student Leaders	11/06/2015	239,945
Pietro, Roy E	DOS/Department of State	FY 2016 Study of the U.S. Institutes for Student Leaders from Europe	12/08/2015	997,062
Provost & Exec VP Academic Affairs			1 Proposals	\$2,833,175
Choi, Mun	NSF/EHR/Directorate for Education and Human Resources	Northeast LSAMP Alliance 2016-2021	11/11/2015	2,833,175
Vice President for Research			77 Proposals	\$41,688,666
Center for Environmental Sciences and Engineering			13 Proposals	\$2,598,043
Fahey, Robert T	USDA/Forest Service/Morton Arboretum	Planning for Equitable Urban Landscapes: Identifying Communities Underserved by Urban Forest Green Infrastructure, Assessing Future Risks, and Optimizing Management Strategies	11/03/2015	126,538
Helton, Ashley M	Wetland Foundation	Effects of Salinity and Metals on Denitrification Across Coastal Wetlands in Urban Landscapes	12/18/2015	1,200
Helton, Ashley M	Wetland Foundation	The Effects of Road Salts on Denitrification in Ephemeral Wetlands	12/18/2015	
Li, Baikun	DOE/Department of Energy/Sustainable Innovations	Production of High Purity, High Pressure Hydrogen from Food Waste	10/16/2015	75,000
Li, Baikun	University of Hartford	Conversion of Human Wastes to Electricity in Microbial Fuel Cells: Towards Self-Sustaining Life Support Systems	10/07/2015	11,249
McCutcheon, Jeffrey R	NSF/National Science Foundation	Electrospray Polymerization: Enabling Fundamental Characterization and Tuning of Polyamide Thin Film Composite Membranes	10/19/2015	353,253
McCutcheon, Jeffrey R	NSF/National Science Foundation	WERF-EPRI: Elucidating Fundamental Performance Parameters for Hybrid Forward Osmosis Systems Designed for Wastewater Reuse for Cogeneration	10/19/2015	359,330
McKinney, Melissa A	DOI/US Geological Survey	Polar Bears from the Southern Beaufort Sea	12/22/2015	14,688
McKinney, Melissa A	NSF/National Science Foundation	Feeding Ecology of the Oceans' Top Predator in Newly Invaded Arctic Ecosystems	10/14/2015	470,983
Morzillo, Anita	NSF/National Science Foundation	CNH-S: Humans, Stormwater, and Climate: Integrating Biophysical and Socio-Political Dimensions into Urban Drainage Networks	11/13/2015	500,000
Parnas, Richard S	Connecticut Energy Marketers Association (CEMA)	Heating Oil Testing to Support Connecticut Heating Oil Suppliers	11/23/2015	25,000
Shor, Leslie M	NSF/National Science Foundation	Collaborative: SusChEM: Root Targeted Delivery of Encapsulated Agrochemicals Using Natural Microbial Carriers	10/19/2015	248,944
Wang, Guiling	NSF/National Science Foundation	Underlying Mechanisms of Arctic Greening and Feedbacks to the Climate	10/13/2015	411,858
Center for Health, Intervention and Prevention			16 Proposals	\$23,940,892
Astur, Robert	PHS/National Institutes of Health	A Virtual Reality Intervention for Smoking Cessation in People with Schizophrenia	11/12/2015	1,168,658
Coelho, Carl A	PHS/National Institutes of Health	Neurobehavioral Assessment of Discourse Following Traumatic Brain Injury	11/02/2015	2,869,361
Duffy, Valerie B	USDA/Food and Nutrition Service/CT Department of Social Services	UConn School and Family-Based Nutrition Education - SNAP-ED	10/01/2015	672,615

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Eaton, Lisa A	PHS/National Institutes of Health	Novel Stigma/Structural Interventions for Increasing HIV/STI Testing Among BMSM	12/22/2015	3,975,340
Gans-Deluca, Kim	PHS/NIH/National Heart, Lung, and Blood Institute	Increasing Physical Activity in Latino Men Through Tailoring: Hombres Saludables	11/09/2015	747,783
Harris, Jennifer L	Johnson (Robert Wood) Foundation	Encouraging Industry and Government Action to Reduce Marketing Unhealthy Foods to Children	11/24/2015	1,704,689
Harris, Jennifer L	USDA/Department of Agriculture/Vermont Law School	National Agriculture Library Proposal FoodWorks: Pioneering State and Local Food Policies	10/06/2015	100,000
Kalichman, Seth C	PHS/National Institutes of Health	Dose Determination Adherence Trial	12/10/2015	3,920,145
Leahey, Tricia M	PHS/National Institutes of Health	Peer Support to Promote Weight Loss Maintenance	11/25/2015	3,723,338
Lepley, Lindsey K	PHS/NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases/University of Michigan	Combination of NMES and Eccentric Exercise After ACL Reconstruction to Promote Muscle and Joint Health	10/19/2015	26,005
Mobley, Amy R	Sabra Dipping Company	A Pilot Feasibility Study to Determine the Benefits of Implementing Hummus in the Diets of Toddlers	10/01/2015	176,844
Mobley, Amy R	Sabra Dipping Company	Feasibility and Benefits of Implementing Hummus in the Diet of Toddlers	10/01/2015	416,019
Newlin Lew, Kelley	PHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Diabetes Intervention for Federally Qualified Health Centers	10/29/2015	462,283
Park, Crystal	Alex's Lemonade Stand Foundation	A Multilevel Perspective on Pediatric Cancer Survivors' Health Behaviors	10/12/2015	299,572
Park, Crystal	PHS/NIH/National Institute on Aging/Oregon State University	Resilience and Older Adults	12/31/2015	1,758,352
Park, Crystal	PHS/National Institutes of Health	Stress and Self-Regulation of Negative Affect as Predictors of Health Behavior	10/12/2015	1,919,888
Connecticut Institute for Resilience and Climate Adaptation			5 Proposals	\$1,922,124
Dick O Donnell, Jennifer	Connecticut Department of Housing	Scoping of Dredge Material Islands and Wetlands for Green Infrastructure Resiliency Projects	11/16/2015	317,709
French, Rebecca A	Connecticut Department of Housing	Plans to Address Coastline Resilience: Climate Science Review Panel	11/16/2015	116,440
Kirchhoff, Christine J	Connecticut Department of Housing	Plans to Address Resiliency/Mitigation of Waste Water Systems	11/16/2015	219,368
O'Donnell, James	Connecticut Department of Housing	Plans to Address Resiliency/Mitigation of Roads and Drainage Systems	11/13/2015	332,023
O'Donnell, James	HUD/Department of Housing & Urban Development/CT Department of Energy and Environmental Protection	Municipal Resilience Planning Assistance Project	10/26/2015	936,584
Institute of Materials Science			39 Proposals	\$11,002,627
Adamson, Douglas	NSF/National Science Foundation	Collaborative Research: Polymeric Bottle Brush Brushes for Ultra Low Friction Surfaces	10/30/2015	328,871
Aindow, Mark	DOE/Department of Energy/Structured Materials Industries, Inc.	Fluidized Bed Production of Surface Functionalized Powders for Solid Oxide Fuel Cell	12/09/2015	100,000
Aindow, Mark	NSF/MPS/Directorate for Mathematics and Physical Sciences	GOALI: Exploration of Quasi-Crystal Strengthened Al Alloys for Aerospace Applications	10/22/2015	399,280
Alpay, Pamir	General Electric Company	Metals and Alloys for Electrical Circuit Breaker Contacts	12/18/2015	161,139
Burke, Kelly A	American Chemical Society/Petroleum Research Fund	Main-Chain Liquid Crystalline Polymers Containing Crystallizable Units as Responsive Thermoplastic Elastomers	10/13/2015	110,000
Burke, Kelly A	NSF/National Science Foundation	Main-Chain Liquid Crystalline Networks as Soft Ordered Biomaterials	10/27/2015	334,113

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Burke, Kelly A	PHS/National Institutes of Health	Localized Modulation of Chronic Inflammation with Silk Biomaterials	11/16/2015	416,444
Cao, Yang	DOD/Navy/Office of Naval Research	Dielectrics Under Extreme Electric Fields	12/01/2015	509,990
Cao, Yang	General Electric Company	Computation of Gas Dynamics and Measurement of Gas Temperature in Low Voltage Circuit Breakers	12/22/2015	100,000
Cao, Yang	Vietnam International Education Development	Vietnam International Education Development (VIED) for Graduate School Applicant	10/16/2015	54,000
Dormidontova, Elena E	American Chemical Society/Petroleum Research Fund	Computer Modeling of Threaded Surfactant Aggregates	10/07/2015	110,000
Gao, Puxian	NSF/National Science Foundation	Understanding the Composition, Size and Shape Effects in Metal Oxide Nano-Array Catalysts for Low-Temperature Hydrocarbon Oxidation	10/14/2015	450,000
He, Jie	NSF/MPS/Directorate for Mathematics and Physical Sciences	Thermodynamics and Kinetics of Tadpole Micelle Self-Assembly: Experiment and Computer Simulations	10/30/2015	408,336
He, Jie	NSF/National Science Foundation	Designing Nanostructures of Mesoporous Transition Metal Oxide/Nob Plasmon-Enhanced Solar Water Splitting	10/15/2015	480,000
Huey, Bryan	DOE/Department of Energy	Improving Polycrystalline Solar Cell Performance Through Nanoscale Photocurrent Tomography and Orientation Mapping	10/16/2015	217,774
Huey, Bryan	DOE/Department of Energy	Tomographic Atomic Force Microscopy to Improve Efficiency and Performance of Solar Cells, Piezoelectrics, and Multiferroics	12/22/2015	
Huey, Bryan	NSF/National Science Foundation	Correlations Between Nanoscale Photovoltaic Performance, Structure, and Defects for Molecular Perovskites	10/16/2015	371,893
Huey, Bryan	NSF/National Science Foundation	Fundamental Approaches for Enhancing Properties of Photovoltaics and Piezoelectrics Deduced by Performance Mapping of Nanoscale Islands	10/29/2015	367,954
Jain, Menka	NSF/MPS/Directorate for Mathematics and Physical Sciences	Effect of Substitutions, Pressure, and Strain on the Properties of Orthorhombically Distorted Perovskites	10/29/2015	498,589
Kasi, Rajeswari	PHS/National Institutes of Health/Yale University	PFI: AIR-TT: Prototype Fabrication and Assessment of Next Generation Nanofiltration Membranes with Aligned and Stimuli Responsive Nanopores	10/02/2015	50,000
Kumar, Challa V	NSF/National Science Foundation	Rational Design of Microfluidics-enabled Large-scale Synthesis of Polymer-wrapped Enzyme Nanoparticles (PENs) with High Stability and High Activity	10/15/2015	450,000
Lee, Seok-Woo	American Chemical Society/Petroleum Research Fund	Fabrication of Strong and Ductile Metal-Intermetallic Nano-Composites for Advanced Drilling Technology	10/12/2015	110,000
Lee, Seok-Woo	DOE/Department of Energy	Plasticity of Micrometer Scale BCC Single Crystals in Cold Environments	12/10/2015	556,554
Lee, Seok-Woo	NSF/MPS/Directorate for Mathematics and Physical Sciences	In-situ Investigation of Micrometer Scale Mechanical Properties of Novel Complex Intermetallic Compounds, XFe ₂ As ₂ (X=Ca, Ba, and Sr)	10/27/2015	325,261
Ma, Wing Kui Ans	Connecticut Innovations, Inc	Hydrodynamics Assisted Renal Replacement Therapy (HARRT)	10/06/2015	30,000
Ma, Wing Kui Ans	University of Hartford	Additive Manufacturing of Flexible Sensors	12/04/2015	10,000
Nakhmanson, Serge M	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: CDMR: Functional Oxide Multilayers for Controlled Molecular Capture and Release	10/21/2015	244,451
Nieh, Mu-Ping	NSF/National Science Foundation	(NANO) ² : Gold Nanoclusters in Lipid Nanodiscoidal Bicelles as a Potential Nanodiagnostic Platform: Experiment and Computer Modeling	10/16/2015	369,482
Norato Escobar, Julian A	NSF/MPS/Directorate for Mathematics and Physical Sciences	Hierarchical Fabrication and Computational Modeling of Absorbable Composites with Superior Mechanical Properties as Bone Fixation Devices	10/27/2015	400,000
Pettes, Michael T	NSF/National Science Foundation	Collaborative Research: Understanding Thermoelectric Transport in Mesoporous Lead and Tin Chalcogenides	10/27/2015	300,000

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PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Pettes, Michael T	Shell Oil Company Foundation	Development of a Mesoporous Thermoelectric Module	10/14/2015	150,000
Ramprasad, Ramamurthy	DOD/Navy/Office of Naval Research	Rational Design of Polymer Dielectrics Via Synergistic Computations, Syntheses and Characterization	10/22/2015	1,050,000
Seery, Thomas A	NSF/National Science Foundation	Crosslinking Effects on Interpenetration in Polymer Multilayers	10/30/2015	283,920
Suib, Steven L	FEI	FEI Research Center Scholarships	12/18/2015	250,000
Suib, Steven L	General Electric Company	Conductive Ceramic Coatings	10/14/2015	100,000
Sun, Luyi	EPA/Environmental Protection Agency	Carbon Dioxide, Sulfur Oxide, and Nitrogen Oxide Capture Using Hydrated Sodium Carbonate Powders	12/08/2015	15,000
Sun, Luyi	NSF/MPS/Directorate for Mathematics and Physical Sciences	Collaborative Research: Tailoring the Third Dimension in Layered Materials	10/29/2015	361,783
Wei, Mei	PHS/National Institutes of Health/OrteoPoniX	A Biomimetic Scaffold for Growth Factor Delivery for Bone Grafting	12/08/2015	76,585
Wells, Barrett O	NSF/MPS/Directorate for Mathematics and Physical Sciences	Oxygen-Defect Controlled Doping of Strongly Correlated Electron Materials	10/29/2015	451,208
Northeast Undersea Research Technology and Education Center			3 Proposals	\$1,793,359
Babb, Ivar G	DOC/NOAA/Office of Ocean Exploration/University of Maine	Providing ROV and Vessel Services in Support of Exploration, Mapping and Surveys of the Underwater Habitats and Ecosystems of Glacier Bay National Park and Preserve	10/19/2015	698,000
Babb, Ivar G	DOC/National Oceanic and Atmospheric Administration/University of Maine	ROV & Vessel Services in Support of Exploration, Mapping & Surveys of the Underwater Habitats and Ecosystems of Glacier Bay National Park and Preserve	12/03/2015	682,880
Babb, Ivar G	NSF/GEO/Directorate for Geosciences	Enhancing the K2 ROV to Support Coastal Ocean Infrastructure and Science	12/21/2015	412,479
Sponsored Programs			1 Proposals	\$431,621
Shin, Yong-Jun	PHS/National Institutes of Health	An Integrated Optogenetics and Digital Optomicrofluidics Platform for the Study of p53 Oscillation	11/03/2015	431,621
University of Connecticut - Storrs & Regional			396 Proposals	\$176,601,238
School of Dental Medicine			21 Proposals	\$15,800,503
Craniofacial Sciences			1 Proposals	\$30,000
Yadav, Sumit	American Association of Orthodontists Foundation	BMP2 signaling in mandibular condylar cartilage	11/24/2015	30,000
Dental Medicine Dean			1 Proposals	\$5,000
Goupil, Michael T	ADA Health Foundation	South Park Inn Homeless Shelter Clinic	10/27/2015	5,000
Oral Health and Diagnostic Sciences			6 Proposals	\$8,368,536
Aseltine, Robert H.	Connecticut Health and Educational Facilities Authority (CHEFA)	Enhancing the Connecticut All Payer Claims Database to Reduce Health Inequity	12/03/2015	250,000
Aseltine, Robert H.	Delta Dental Fund	Utilization of Dental Imaging During the Past 20 Years: A collaborative study	12/14/2015	57,795
Aseltine, Robert H.	Office of the Healthcare Advocate	State Innovation models/Round Two of Funding for Design and Test Assistance - Evaluation	12/16/2015	131,500
Chen, I-Ping	National Institutes of Health/DHHS	Pathogenic Mechanisms of Craniometaphyseal Dysplasia	10/29/2015	1,993,750
Litt, Mark D	National Institutes of Health/DHHS	Individualized Assessment and Treatment Program for Alcoholism: Treatment and Mechanisms	12/11/2015	3,941,741
Nichols, Frank C	National Institutes of Health/DHHS	Porphyromonas gingivalis lipids mediate bone loss through TLR2	10/29/2015	1,993,750

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Reconstructive Sciences			13 Proposals	\$7,396,967
Bayarsaihan, Dashzeveg	National Institutes of Health/DHHS	Chromatin interactions associated with mouse orofacial clefts	10/13/2015	438,625
Dealy, Caroline N	Connecticut Innovations, Inc.	Clinical Proof-of-Concept for a Novel Companion Diagnostic Biomarker for Rheumatoid Arthritis	10/08/2015	30,000
Dealy, Caroline N	Connecticut Innovations, Inc.	Understanding Mammalian Limb Regeneration Responses	12/08/2015	750,000
Kalajzic, Ivo	Connecticut Innovations, Inc.	Transplantation of Mesenchymal Stem Cells as therapy for Osteogenesis Imperfecta	12/10/2015	750,000
Kalajzic, Ivo	National Institutes of Health/DHHS	Transplantation of MSCs as therapy for Osteogenesis Imperfecta	11/12/2015	438,625
Kuhn, Liisa T	Connecticut Innovations, Inc.	Translating Engineered Bone Matrix to a Bone Healing Product	12/10/2015	750,000
Maye, Peter F	Connecticut Innovations, Inc.	Investigating the Regenerative Capacity of Paraxial Mesoderm Stem Cells	12/10/2015	750,000
Maye, Peter F	National Institutes of Health/DHHS	Cherubism and Transforming Growth Factor Beta Signaling	11/12/2015	423,500
Maye, Peter F	National Institutes of Health/DHHS	Monoclonal Antibodies to Resolve Paraxial Mesoderm Subpopulations	10/14/2015	438,625
Rowe, David W	Department of Defense	Production of autologous BMSC-derived progenitor cells competent for a successful segmental bone repair in human subjects	12/16/2015	2,100,000
Rowe, David W	National Institutes of Health/DHHS	Cryohistological assessment of the mineralized skeleton	11/24/2015	27,592
Rowe, David W	National Science Foundation/The College of New Jersey	Collaborative Research: Long-term model of scaffold-driven bone and enthesis formation	10/16/2015	300,000
Xin, Xiaonan	Connecticut Innovations, Inc.	Quantitating normal and OI human bone in an in vivo mouse model for drug screening	12/09/2015	200,000
School of Medicine			157 Proposals	\$114,165,317
Academic Affairs and Education			1 Proposals	\$225,545
Manz, David H	National Institutes of Health/DHHS	Role of Ferroportin in reducing Prostate Cancer Metastasis	12/03/2015	225,545
Calhoun Cardiology Center - CCC			5 Proposals	\$1,477,881
Hinson, John Travis	Connecticut Innovations, Inc.	Integrative analysis of pathological cardiac remodeling in human cardiac microtissues using Drop-Seq.	12/02/2015	200,000
Meredith, Steven E	National Institutes of Health/DHHS	Incentive-based treatment and mHealth technology to promote physical activity	11/02/2015	438,410
Rash, Carla Jean	National Institutes of Health/DHHS	Reducing Alcohol Use in Heavy Drinkers Frequenting Soup Kitchens	10/29/2015	434,341
Yue, Lixia	Connecticut Innovations, Inc.	Elucidating the pathogenesis of Marfan syndrome using smooth muscle cells derived from patient's iPSCs	12/08/2015	200,000
Yue, Lixia	National Institutes of Health/DHHS	Towards a systems-level understanding of developmental control of the sinoatrial node	10/16/2015	205,130
Cell Analysis Modeling - CCAM			3 Proposals	\$940,690
Blinov, Michael	National Institutes of Health/DHHS/Auburn University	Modeling and Simulation of Dynamic Multivalent Molecular Aggregates	10/22/2015	108,837
Wu, Yi	American Cancer Society, Inc.	Ultrasensitivity and Stability of Invadopodia	10/02/2015	739,393
Yu, Ji	Binational Science Foundation	EphB2 in synaptic plasticity and memory formation	11/10/2015	92,460
Cell Biology			12 Proposals	\$4,990,051
Epstein, Paul	Smart Family Foundation Inc.	Testing Novel Agents for Leukemia Treatment in In Vivo Mouse Models of Human Leukemia	10/26/2015	10,000

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Mehlmann, Lisa M	ImpactAssets	Role of GPR3 in the Acquisition of Meiotic Competence and in Maintaining Meiotic Arrest	12/16/2015	106,048
Pachter, Joel S.	ImStem Inc.	Developing a Potential Therapy for Multiple Sclerosis Using hES-derived MSCs. Award No. Sub No. 2/Amnd No. 2 - Prime 13-SCDIS-ISB-01	10/23/2015	145,600
Pachter, Joel S.	ImStem Inc.	Pre-clinical development of a new mesenchymal stem cell (MSC) product for multiple sclerosis	12/11/2015	705,142
Peluso, John J	National Institutes of Health/DHHS	Genetic/Epigenetic Control of P4 Signaling & Human Granulosa/Luteal Cell Function	10/28/2015	2,797,520
Peluso, John J	National Institutes of Health/DHHS	Progesterone Signaling Pathways that Ensure Human Granulosa/Luteal Cell Survival	10/05/2015	438,625
Slepchenko, Boris M	National Institutes of Health/DHHS/Yale University	Molecular Mechanisms of Cellular Motility	10/26/2015	106,305
Smilowitz, Henry M	National Science Foundation	Magnetic Nanoparticle Development	12/02/2015	74,965
Smilowitz, Henry M	Owens (William and Ella) Medical Research Foundation	Gold Nanoparticle Treatment of Glioma	11/24/2015	100,000
Terasaki, Mark R	ImpactAssets	High Resolution Immunolocalization of Proteins in Developing Tissues	10/20/2015	311,371
Terasaki, Mark R	Rutgers, the State University of New Jersey	Membrane Transport in Neurons Revisited	10/21/2015	144,475
Vigone, Giulia	Lalor Foundation	Luteinizing hormone signaling in the ovarian follicle:role of an AKAP complex in restarting meiosis	12/18/2015	50,000
Center for Molecular Medicine			8 Proposals	\$3,908,371
Rath, Abhijit	Connecticut Innovations, Inc.	Intestinal Organoid Screen to Identify Novel Therapies Against Mismatch repair-Deficient Colorectal Cancer	12/10/2015	200,000
Rosenberg, Daniel W	Connecticut Innovations, Inc.	Intestinal stem cell-stromal interactions in UC patients	12/08/2015	750,000
Rosenberg, Daniel W	National Cancer Institute/NIH/DHHS	PGE2 epithelial-stromal cross-talk during inflammation-related colon cancer	11/09/2015	438,625
Rosenberg, Daniel W	National Institutes of Health/DHHS	Folate one carbon metabolism and cancer	10/30/2015	2,011,803
Rosenberg, Daniel W	National Institutes of Health/DHHS	Targeting Fatty Acid b-Oxidation for Chemoprevention of Colon Cancer	10/09/2015	431,403
Rosenberg, Daniel W	National Institutes of Health/DHHS/University of Connecticut - Storrs	Localized Modulation of Chronic Inflammation with Silk Biomaterials	11/13/2015	50,751
Rosenberg, Daniel W	Thetis Pharmaceuticals	Treatment with novel Thetis n-3 PUFA compounds, TP-252 (EPA) to test regression of adenomatous polyps	11/04/2015	22,789
Rosenberg, Daniel W	University of Connecticut - Storrs	Development of Virus-Like Vesicle (VLV)-based Prophylactic Immunotherapy for Colorectal Cancer (CRC)	10/06/2015	3,000
Center for Public Health			4 Proposals	\$322,417
Ferris, Ann	Frozen Food Foundation/University of Minnesota	Use of Frozen Foods & Effects on Household Food Waste	12/04/2015	45,000
Ferris, Ann	U. S. Drug Administration/Hartford Food System	USDA Community Food Project	11/23/2015	40,000
Gould, Bruce E	Health Resources and Services Administration/DHHS/Connecticut Children's Medical Center	Transforming Care for Underserved Children and Youth	12/11/2015	227,517
Gould, Bruce E	Office of the Healthcare Advocate	State Innovation Models/Round Two of Funding for Design and Test Assistance - Community Health Workers Training	12/16/2015	9,900
Center for Quantitative Medicine			2 Proposals	\$2,183,935

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Laubenbacher, Reinhard	National Science Foundation	A novel methodology for the construction and analysis of dynamic functional brain networks.	10/23/2015	971,669
Mendes, Pedro	National Institutes of Health/DHHS/Virginia Technical Institute	COPASI software for modeling and simulation of biochemical networks	10/29/2015	1,212,266
Center for Vascular Biology			4 Proposals	\$6,375,098
Claffey, Kevin P	National Science Foundation/University of Connecticut - Storrs	Micromechanical characterization of cancer spheroids - 3D morphology and transport	10/16/2015	150,000
Han, David K	Connecticut Innovations, Inc.	Breast Cancer-Associated Mutations Driving Uncontrolled Proliferation and Signaling of Cancer Stem Cells	12/09/2015	750,000
Han, David K	National Institutes of Health/DHHS	Immunogenomics: Identification of Breast Cancer Antigens and Antibodies	10/30/2015	1,975,098
Han, David K	National Institutes of Health/DHHS	Precision Immunotherapy for Breast Cancer	10/07/2015	3,500,000
Community Medicine and Health Care			4 Proposals	\$183,789
Bruder, Mary Beth	Department of Education/University of North Carolina	DEC RP Online Module Development for Faculty/Higher Ed	12/22/2015	24,723
Chapman, Audrey	Canadian Institutes of Health Research/University of Toronto	Human Rights Post-2015 Health Development Goals & Universal Health Coverage: Defining Min. Core of Rt to Health	12/16/2015	13,286
Gelbar, Nicholas	Growing Possibilities dba Roses for Autism	UCEDD's Autism Training Program	12/17/2015	44,185
Tennen, Howard A	National Institutes of Health/DHHS/University of Connecticut - Storrs	Center for Accelerating Precision Pain Self-Management	11/30/2015	101,595
Dermatology			2 Proposals	\$18,670
Strober, Bruce	AbbVie Pharmaceuticals	2016 AbbVie Grant for Dermatology Residents to use for Travel and Housing Assistance for the AAD Annual Meeting	10/26/2015	14,670
Strober, Bruce	American Academy of Dermatology	AAD Residents Travel and Housing Assistance Program.	11/19/2015	4,000
Diagnostic Imaging and Therapeutics			1 Proposals	\$144,242
Yang, Clifford K	Department of Defense	A Spatiotemporal Model for Early Breast Cancer Detection with Digital Mammography	11/16/2015	144,242
Family Medicine			1 Proposals	\$942,737
Fifield, Judith	Patient-Centered Outcomes Research Institute	Application of modern statistical models of classifying patients based on patterns of successive changes in reponse...	11/02/2015	942,737
Genetics and Developmental Biology			8 Proposals	\$5,293,722
Carmichael, Gordon G	Connecticut Innovations, Inc.	Using stem cells to understand molecular underpinnings of Prader-Willi Syndrome	12/09/2015	750,000
Carmichael, Gordon G	National Institutes of Health/DHHS	Genomewide Mapping of Sites of RNA 2'-O-Methylation in Prader-Willis Syndrome	10/26/2015	431,398
Germain, Noelle	Connecticut Innovations, Inc.	Using single cell transcriptome analysis to investigate the population structure of PSC-derived neural cultures under normal and disease conditions	12/09/2015	200,000
Lalande, Marc E	Connecticut Innovations, Inc.	UConn - Wesleyan Stem Cell Core	12/07/2015	500,000
Lalande, Marc E	National Institutes of Health/DHHS	Regulation and Processing of Prader-Willi/Angelman Syndrome Long Noncoding RNA	10/09/2015	435,012
Li, James Y.H	National Institutes of Health/DHHS	Mechanisms of neural progenitor progression in the developing midbrain and cerebellum.	11/16/2015	2,338,687

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Rogina, Blanka	Connecticut Innovations, Inc.	Use of Human Embryonic Stem Cell derived ne urons to study the role of SLC13A5 mutations in.....	12/08/2015	200,000
Rogina, Blanka	National Institutes of Health/DHHS	Investigating the Molecular Mechanisms of Caloric Restriction	10/09/2015	438,625
Immunology			13 Proposals	\$21,454,021
Aguila, Hector L	Connecticut Innovations, Inc.	Development of Novel Methods to mobilize Hematopoietic Stem Cells and top open Hematopoietic Stem Cell niches for bone marrow transplantation	12/08/2015	750,000
Grenier, Jeremy	National Institutes of Health/DHHS	Generating long-lived CD8T Cell responses to melanoma antigens using Cytomegalovirus-based vaccines	12/04/2015	216,150
Khanna, Kamal	Department of Defense	Mechanisms & Bowel Implications of the Pregnane x receptor targeting Indole Bacterial Metabolites in Inflammation	10/09/2015	1,196,250
Khanna, Kamal	National Institutes of Health/DHHS	Pregnane X Receptor, Indole Bacterial Metabolites and Epimunomes in the Intestine	10/13/2015	6,859,250
Medvedev, Andrei	National Institutes of Health/DHHS	Effect of Bacterial Tolerance on TLR4 Signal Transduction	10/08/2015	1,794,375
Medvedev, Andrei	National Institutes of Health/DHHS	Mechanisms of Impaired Mycobacteria Sensing by TLR2 and TLR4 Polymorphic Variants	10/27/2015	2,013,000
Murphy, Michael	National Institutes of Health/DHHS	The Role of LncRNAs in TLR4 Tolerance and Sepsis	11/18/2015	114,004
Ryan, Joseph M	National Institutes of Health/DHHS	Improving Combination Cancer Immunotherapy by Linking T Cell Costimulatory Pathways	12/04/2015	220,887
Srivastava, Pramod K.	Connecticut Innovations, Inc.	Genomic-driven personalized immunotherapy of human ovarian cancer	11/30/2015	500,000
Vella, Anthony T.	National Institutes of Health/DHHS	Harnessing the immunotherapeutic power of CD134 and CD137 dual costimulated CD8 T cells to fight cancer	11/18/2015	6,640,105
Wang, Kepeng	Connecticut Innovations, Inc.	The role of IL-17 mediated inflammation in colorectal cancer stem cell development	12/08/2015	200,000
Zhou, Beiyan	Connecticut Innovations, Inc.	Epigenetic impact of obesity on adipose tissue mesenchymal stem cells	12/11/2015	750,000
Zhou, Beiyan	Connecticut Innovations, Inc.	The impact of obesity on the bone marrow hematopoietic stem/progenitors	12/10/2015	200,000
Medicine			20 Proposals	\$14,406,053
Angus, Steven V	Health Resources and Services Administration/DHHS	Primary Care Training and Enhancement Program	12/11/2015	1,524,898
Cherniack, Martin G	National Institute for Occupational Safety & Health/CDC/DHHS	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UCONN-SAM)	10/29/2015	1,827,188
Cherniack, Martin G	National Institute for Occupational Safety & Health/CDC/DHHS/University of Massachusetts	Center for the Promotion of Health in the New England Workplace (CPH-NEW)	12/08/2015	2,011,157
Chhabra, Arvind	Connecticut Innovations, Inc.	Generation and characterization of hematopoietic stem cells (HSC) derived from Myelodysplastic Syndrome (MDS) Patients' induced pluripotent stem cell (iPS)	12/04/2015	200,000
Chhabra, Arvind	Connecticut Innovations, Inc.	Generation of functional antigen presenting cells (APC) from induced pluripotent stem cell (iPS) lines of young and elderly subjects for immunotherapy of human melanoma	12/04/2015	750,000
Chhabra, Arvind	Connecticut Innovations, Inc.	Identification of molecular mediators for generating patient specific customized anti-tumor T cells from Human Pluripotent Stem Cells derived Embryoid Bodies	12/04/2015	750,000
Chhabra, Arvind	National Institutes of Health/DHHS	Generation of Functional Antigen Presenting Cells from Induced Pluripotent Stem Cell (iPS) Lines Derived from Human Dendritic Cells	10/23/2015	438,625
Dorsky, David I	Connecticut Innovations, Inc.	Use of EBV DNA polymerase for isothermal DNA amplification	10/09/2015	30,000

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Oncken, Cheryl	National Institutes of Health/DHHS	Electronic Cigarette Use During Pregnancy	10/01/2015	3,975,331
Oncken, Cheryl	National Institutes of Health/DHHS/University of Connecticut - Storrs	A Virtual Reality Intervention for Smoking Cessation in People with Schizophrenia	11/02/2015	107,878
Pilbeam, Carol C	National Institutes of Health/DHHS	Cox-2 Regulation of Bone Responses to PTH: Role of Osteoclasts	10/30/2015	1,975,093
Rose, Suzanne	American Medical Association	Patient-Centered Medical Education from Enrollment to Entrustment: Using Technology to Enrich the Authentic Health Care Delivery System	11/16/2015	75,000
Schenck, Paula	National Institute for Occupational Safety & Health/CDC/DHHS/Connecticut Department of Public Health	CT Occupational Health Fundamental - Plus Surveillance Program	10/16/2015	21,998
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	"Scoping of Dredge Material Islands and Wetlands for Green Infrastructure Resiliency Projects"	11/17/2015	21,611
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	Plans to Address Resiliency/Mitigation of Roads and Drainage Systems	11/17/2015	21,611
Schenck, Paula	State of Connecticut/University of Connecticut - Storrs	Plans to Address Resiliency/Mitigation of Waste Water Systems	11/17/2015	21,611
Wakai, Sarakei	Environmental Protection Agency/University of Connecticut - Storrs	New England Center for Brownfield Redevelopment	12/16/2015	100,000
Wakai, Sarakei	Health Resources and Services Administration/DHHS	The Relationship of Postpartum Depression Treatments and Breastfeeding	10/19/2015	100,000
Wu, George Y	Alexion Pharmaceuticals, Inc.	OTC Deficiency Cell Culture Models/A Universal Mitochondrial Transplantation System	11/05/2015	424,052
Wu, George Y	Connecticut Innovations, Inc.	A General System for Transplantation of Mitochondria to Mammalian Cells	10/09/2015	30,000
Molecular Biology & Biophysics			8 Proposals	\$2,867,789
Bezsonova, Irina	American Cancer Society, Inc.	How to rescue a tumor suppressor	10/07/2015	792,000
Bezsonova, Irina	National Science Foundation	Activation and specificity of USP7: uncovering the molecular mechanisms	11/09/2015	599,001
Korzhniev, Dmytro	American Lung Association	Targeting scaffold proteins of translesion synthesis pathway for lung cancer therapy	12/08/2015	80,000
Korzhniev, Dmytro	National Science Foundation	Protein interactions underlying mutagenic translesion synthesis in yeast	11/05/2015	649,999
Paul, Bibbin	Marsha Rivkin Center for Ovarian Cancer Research	SFXN4 remodels ovarian cancer cell bioenergetics to promote tumor progression.	11/30/2015	74,632
Setlow, Peter	National Institutes of Health/DHHS	Endospore Modification With Drugs and Biologics using Supercritical Carbon Dioxide	12/23/2015	36,439
Setlow, Peter	National Science Foundation/Indiana University	Studies of factors governing bacterial spore photoproduct formation and repair	11/03/2015	410,173
Zambrello, Matthew A	National Institutes of Health/DHHS	Novel Computational Techniques to Expand the Scope of Protein Nuclear Magnetic Resonance Spectroscopy	12/07/2015	225,545
NEAG Cancer Center (SOM)			3 Proposals	\$5,468,817
Andemariam, Biree	National Institutes of Health/DHHS	University/Community Collaboration to Improve Delivery of Best Known Medical Practices to Adolescents and Adults....	11/09/2015	5,338,817
Kueck, Angela	V Foundation (Jimmy Valvano)	Phase 1 study of Oncolmmunome for the treatment of Stage III/IV Ovarian Cancer	12/04/2015	50,000
Stevenson, Christina	Komen (Susan G.) Breast Cancer Foundation	Community Breast Navigation in the Greater Hartford Area.	12/01/2015	80,000
Neuroscience			11 Proposals	\$8,055,895

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Baumbauer, Kyle M	Connecticut Innovations, Inc./University of Connecticut - Storrs	Utilization of Derived Mesenchymal Stem Cells for Treatment of Spinal Cord Injury-Induced Pain	12/09/2015	110,019
Crocker, Stephen J.	Dana (Charles A.) Foundation, Inc./University of Connecticut - Storrs	Biomarker and Bioimaging Validation of a Novel Cognitive Therapy for Fibromyalgia	10/28/2015	103,671
Eipper, Elizabeth A	Broad (Eli and Edythe L.) Foundation	Biochemical and Functional Characterization of Schizophrenia-Associated Coding Mutations in the Multifunctional Trio Protein	12/21/2015	119,625
Levine, Eric S	Connecticut Innovations, Inc.	Altered BDNF signaling in Angelman syndrome studied in patient-specific stem cell-derived neurons	12/08/2015	750,000
Li, Jun	National Institutes of Health/DHHS	Role of Mitochondrial Dynamics in Human Stem Cell Models of Spinal Muscular Atrophy	10/09/2015	438,625
Mohan, Royce	Connecticut Innovations, Inc.	Fibrosentinel: Imaging Probes for Fibrosis Detection and Clinical Management	12/21/2015	500,000
Mohan, Royce	National Institutes of Health/DHHS	Advancing Imaging Probes for Retinal Injury and Fibrotic Disease	10/09/2015	452,815
Oliver, Douglas L	National Institutes of Health/DHHS	Auditory Pathways and Microcircuits	10/28/2015	3,363,948
Sirois, Carissa	Autism Speaks	Contribution of Individual UBE3A Protein Isoforms to the Phenotype of Angelman Syndrome Neurons	12/14/2015	60,800
Wang, Zhao-Wen	National Institutes of Health/DHHS	Molecular Dissection of C. Elegans Locomotion Neural Circuit	10/28/2015	1,993,750
Yeh, Mason L.	National Institutes of Health/DHHS	Role of endocannabinoids in effects of prenatal ethanol on corical development	11/19/2015	162,642
Orthopaedic Surgery			16 Proposals	\$6,211,519
Drissi, M. Hicham	Connecticut Innovations, Inc.	Drug/matrix/cell therapy to regenerate hyaline cartilage in large joint defects	12/03/2015	749,985
Drissi, M. Hicham	National Institutes of Health/DHHS/Columbia University	Modulation of injury-activated stem cells for enhanced tissue repair	11/10/2015	865,720
Guzzo, Rosaria M	National Institutes of Health/DHHS	Epigenetic control of chondrogenic differentiation and cartilage homeostasis	11/02/2015	438,625
Guzzo, Rosaria M	University of Connecticut - Storrs	Epigenetic control of cartilage homeostasis	12/23/2015	25,000
Kumbar, Sangamesh G.	Connecticut Innovations, Inc.	Ionically Conducting Grafts for the Delivery of Stem Cells and Electric Stimulus for Peripheral Nerve Regeneration	11/24/2015	199,999
Kumbar, Sangamesh G.	Department of Defense	OR150090 Novel approach for peripheral nerve regeneration using ionically-conducting polymers	11/13/2015	499,762
Kumbar, Sangamesh G.	National Science Foundation	Polysaccharide based Internal Fixation devices for Musculoskeletal Regeneration - A Prototype	10/05/2015	199,999
Laurencin, Cato	Department of Defense/Rutgers, the State University of New Jersey	Extremity Regeneration Technology/Therapeutic Development	12/23/2015	149,655
Laurencin, Cato	National Science Foundation	EFRI Research Experience and Mentoring (Parent Log #20130051)	11/03/2015	99,516
Lo, Wai Hong	Connecticut Innovations, Inc.	Reposition of small molecule drugs that promote regeneration of bone tissue from human adult stem cells	11/25/2015	750,000
Mazzocca, Augustus	Arthrex, Inc.	UHC Orthopaedic Research Assistance Funding	10/05/2015	408,474
Moss, Isaac	Connecticut Innovations, Inc.	Articular Chondrocytes, PDGF and BMP-2 for Regeneration of the Intervertebral Disc	11/25/2015	749,913
Nair, Lakshmi S.	University of Connecticut/University of Connecticut - Storrs	Nanostructured miRNA-based Therapeutics to enhance bone regeneration	12/30/2015	25,000
Nukavarapu, Syam	Connecticut Innovations, Inc.	A Novel Matrix System for Bedside Tissue Engineering Using Patient-derived Biomaterial and Stem Cells	12/02/2015	749,880
Sanjay, Archana	Connecticut Innovations, Inc.	Examine the regenerative potential of unique osteogenic progenitors	12/02/2015	199,991

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Zanotti, Stefano	Arthritis National Research Foundation	Mechanisms of Notch induced inflammation and fibrosis in osteoarthritis.	11/24/2015	100,000
Pediatrics			7 Proposals	\$3,460,405
Bookland, Markus	Neurosurgery Research and Education Foundation	Evaluation and Optimization of p38SJ Phosphorylation-Modulated Effects on Malignant Pediatric Brain Tumors and Cranial Irradiation Therapy	11/16/2015	40,000
Cervantes, Jorge L	American Lung Association	Differential recognition of Mycobacterium tuberculosis nucleic acids by human endosomal TLRs	12/15/2015	80,000
Fink, Christine	Connecticut Innovations, Inc.	Isolation and Differentiation of Breast Milk Stem Cells and their Influence on Infant Intestinal Health	12/08/2015	200,000
Salazar, Juan C.	Yale University/Connecticut Children's Medical Center	Implementing ePROMISE to improve the HIV Treatment and Prevention Continuum of Care in Young MSM	12/17/2015	114,956
Sajej, Wael	Connecticut Innovations, Inc.	Investigating the Therapeutic Potential of Amniotic Fluid Stem Cells in Eosinophilic Esophagitis	12/09/2015	200,000
Sajej, Wael	National Institutes of Health/DHHS	Novel In-Vitro and Biomimetic System for Patient Specific Testing for Eosinophilic Esophagitis	10/07/2015	456,962
Schramm, Craig M	National Institutes of Health/DHHS	B Cell and Microbiome Regulation of Murine Asthma	10/30/2015	2,368,487
Psychiatry			11 Proposals	\$14,357,604
Briggs-Gowan, Margaret	National Institutes of Health/DHHS	How early childhood neurodevelopment and experience shape patterns of fear-related syndromes	11/12/2015	3,893,415
Covault, Jonathan M	National Institutes of Health/DHHS/Yale University	Zonisamide Treatment of Alcohol Use Disorder: An Evaluation of Efficacy and Mechanism of Action	10/28/2015	1,926,398
Grasso, Damion	Connecticut Children's Medical Center	Family Violence Victim Screening and Response in Shelters and Pediatric Health Care Settings	12/30/2015	50,287
Grasso, Damion	National Institutes of Health/DHHS	Prenatal Mechanisms of Transmission of Trauma-Related Psychopathology and Substance Use Risk: Epigenetic ...	10/08/2015	756,184
Kamath, Jayesh	National Science Foundation/University of Connecticut - Storrs	Life Rhythm: A Framework for Automatic and Pervasive Depression Screening Using Smartphones	12/03/2015	111,856
Kaminer, Yifrah	National Institutes of Health/DHHS	Adolescent Cannabis Use Disorders; Adaptive Treatment for Poor Responders to EBP	12/14/2015	3,318,034
Kaminer, Yifrah	National Institutes of Health/DHHS/Hartford Hospital	Psychotherapy Effects on Frontostriatal Networks in Dual-Diagnosis Adolescents	10/28/2015	79,366
Kaminer, Yifrah	National Institutes of Health/DHHS/Yale University	Adaptive Treatment in Adolescent SUD: Individual Variation in Cognitive Control and Reward Response	10/22/2015	1,730,993
Lieberman, Rich	Connecticut Innovations, Inc.	Regulation of the NMDA NR2A Subunit following Withdrawal from Chronic Alcohol in Human iPSC-Derived Neural Cells	12/10/2015	200,000
Manning, Kevin J	Alzheimer's Association	Physical Mobility and Driving in Subjective and Mild Cognitive Impairment	10/28/2015	99,309
Steffens, David C.	National Institutes of Health/DHHS	1/2 Phenotype-Genotype Predictors of Cognitive Outcomes in Geriatric Depression	11/04/2015	2,191,762
Surgery			5 Proposals	\$5,177,182
Albertsen, Peter C	Patient-Centered Outcomes Research Institute	Assessment & dissemination of patient views about key outcomes following randomization to or selection of surgery, radiation or active monitoring for clinically localized prostate cancer	10/29/2015	1,990,906
Klueh, Ulrike	Juvenile Diabetes Foundation	Role of Insulin Diluents in Tissue Trauma, Inflammation and Blood Glucose Regulation During CSII	11/24/2015	1,984,924

Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Process Date	Total Requested Amount
Kreutzer, Don L	Connecticut Innovations, Inc.	Biomarker for Diabetic Foot Ulcers	10/05/2015	30,000
Kreutzer, Don L	Connecticut Innovations, Inc.	Biomarker for Mesh-Based Tissue Repair	12/11/2015	555,352
Kreutzer, Don L	National Institutes of Health/DHHS	Novel Biomarkers in Progression and Pathogenesis of Early Stage T1D	11/06/2015	616,000
Traumatology and Emergency Medicine			1 Proposals	\$24,150
McKay, Charles	Denver Health and Hospital Authority	CT Poison Control RADARS Surveillance System (work orders 28, 29, 30)	12/30/2015	24,150
UConn Center on Aging			7 Proposals	\$5,674,734
Al-Naggar, Iman	Connecticut Innovations, Inc.	Human Embryonic Stem Cell Resilience to Senescence Factors and an Aging Milieu	12/10/2015	200,000
Barry, Lisa Cataldi	National Science Foundation/University of Connecticut - Storrs	CyberSEES Type 2: Fault Detection	12/07/2015	160,469
Berg, Karina	Health Resources and Services Administration/DHHS/University of Connecticut - Storrs	Geriatric Outreach and Training with Care (GOTCCARE)	12/16/2015	54,686
Haynes, Laura	National Institutes of Health/DHHS	Aging and Immunity to Infection (Research Supplements to Promote Diversity in Health-Related Res.)	11/12/2015	65,586
Kuchel, George A	Connecticut Innovations, Inc.	Impact of Aging and Frailty on Cellular Senescence and Reprograming	12/11/2015	199,847
Robison, Julie	Connecticut Department of Social Services	MFP-Money Follows the Person Rebalancing Demonstration. Parent Log # 20130007. Award No. MOAUCH-MFP-02/13DSS7102IK	10/06/2015	4,986,144
Robison, Julie	Department of Health & Human Services/The Lewin Group, Inc.	Process Evaluation of Older Americans Act Title III-E National Family Caregiver Support Program. Parent Log # 20120632.Award No. Prime TLG12068-5176.18.01	12/03/2015	8,002
University of Connecticut Health			178 Proposals	\$129,965,820
Grand Total			574 Proposals	\$306,567,058