



Office of the Vice President for Research

# List of Proposals Submitted FY2018 2nd Quarter

October 1, 2017 – December 31, 2017

Volume 18.2

## List of Proposals Submitted

This report provides a detailed listing of the competitive proposals (both new and renewals) submitted during the reporting quarter. The report includes all sponsored program activity (both research and education/service) 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	Submit Date	Total Requested Amount
<b>College of Agriculture, Health and Natural Resources</b>			<b>45 Proposals</b>	<b>\$14,859,015</b>
<b>Agricultural and Resource Economics</b>			<b>1 Proposals</b>	<b>\$314,470</b>
Nemec, Rebecca	USDA/National Institute of Food and Agriculture/Farm Fresh Rhode Island	Optimizing Local Food Outlets: Marketplace and Customer Analysis Across New England	12/13/2017	314,470
<b>Allied Health Sciences</b>			<b>6 Proposals</b>	<b>\$6,114,248</b>
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Rutgers University	Facebook Intervention for Young Onset Melanoma Patients and Families	10/10/2017	532,642
McCaffery, Jeanne	DHHS/NIH/National Institutes of Health	Sleep and Circadian Rhythm in Adolescent Food Choices: The Role of Salivary Amylase	11/29/2017	1,132,633
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Vanderbilt University	Communication and Coping: Addressing Mothers' Needs to Improve Outcomes in Adolescents with T1D	11/01/2017	384,596
McCaffery, Jeanne	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Salivary Amylase Gene (AMY1) as a Predictor of Weight and Diet in Look AHEAD and DPP	10/25/2017	132,316
Leahey, Tricia	DHHS/NIH/National Institutes of Health	Using Behavioral Economics Strategies to Address Obesity in Economically disadvantaged Adults	12/18/2017	3,882,063
Silbart, Lawrence K	DHHS/NIH/National Institutes of Health/Torigen Pharmaceuticals	A Canine/Mouse Immuno-Oncology Pre-clinical Testing Model	12/22/2017	49,998
<b>Animal Science</b>			<b>2 Proposals</b>	<b>\$258,164</b>
Reed, Sarah A	USDA/National Institute of Food and Agriculture	Developing Outstanding Graduates in Animal Production through Transdisciplinary Experiential Learning Experiences	10/31/2017	238,500
D'Amico, Dennis	Walker (George) Milk Research Fund	Biocontrol of Foodborne Pathogens in Raw Milk for Cheesemaking using Novel Bacterial Antagonists	11/01/2017	19,664
<b>Extension</b>			<b>4 Proposals</b>	<b>\$745,881</b>
Dietz, Michael E	DOI/United States Geological Survey	Winter Deicing Impacts to Groundwater: Radionuclide Mobilization in Water and Air	11/03/2017	59,378
Wilson, Emily H	CT Department of Energy and Environmental Protection	Sea Level Affecting Affecting Marshes Model (SLAMM)	12/29/2017	61,583
Kelly, Miriah M	Connecticut Innovations	Capability-Based Innovation: Evaluating the Use of Combined Public and Private Investment to Achieve Incremental Community & Economic Development Outcomes in 4 CT Communities	11/01/2017	611,919
Welch, Mary E	USDA/National Institute of Food and Agriculture/University of Missouri	Connecticut Healthy Homes 2018 - Social Media	10/27/2017	13,001
<b>Kinesiology</b>			<b>6 Proposals</b>	<b>\$412,550</b>
Lee, Elaine	DHHS/NIH/National Institutes of Health/University of South Florida	Carry-Over Effects of Heat Stress Exposures on Risk of Exertional Heat Illness	10/02/2017	97,002
Glennay, Susan S	Patient-Centered Outcomes Research Institute (PCORI)/University of Connecticut Health Center	3D Team Care for Cognitively Vulnerable Older Adults	11/09/2017	11,200
Lepley, Lindsey	DHHS/NIH/National Institutes of Health/University of Michigan	MiACLR: Michigan Initiative for ACL Rehabilitation	10/09/2017	45,683
Casa, Douglas J	Pew Charitable Trusts	Health Impact Project Partnership with University of Connecticut	10/16/2017	45,000
Casa, Douglas J	National Collegiate Athletic Association/University of North Carolina, Chapel Hill	National Center for Catastrophic Sport Injury Research (NCCSIR)	12/01/2017	74,995
Taylor, Beth M	National Lipid Association	Techniques to Diagnose and Treat Statin-Associated Muscle Symptoms	12/22/2017	138,670

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Natural Resources and the Environment</b>			<b>9 Proposals</b>	<b>\$1,565,993</b>
Fahey, Robert T	USDA/National Institute of Food and Agriculture	Training Forest Resources Graduates for an Exurban Forest Future	10/31/2017	246,000
Roy, Denis	Nunatsiavut Government (Canada)/University of Windsor	Developing Greenland Halibut Genomic Resources toward Long Term Monitoring, Sustainability and World-Wide Biocomplexity	11/09/2017	34,691
Robbins, Gary A	DOI/United States Geological Survey	Use of Bacteria DNA Sequencing as a Novel Approach for Deciphering Groundwater Flow Conditions in Fractured Crystalline Bedrock	11/03/2017	27,624
Lawrence, Beth A	DOI/United States Geological Survey	Quantifying Road Salt Impacts on Forested Wetland Structure and Function in Eastern Connecticut	11/03/2017	25,791
McKinney, Melissa A	Morris Animal Foundation	Evaluating Factors Shaping Gut Microbial Composition and Associated Immune Health in Polar Bears	11/15/2017	170,497
McKinney, Melissa A	North Pacific Research Board/DOI/United States Geological Survey	Cumulative Effects of Multiple Stressors on Polar Bears (Ursus Maritimus): Sea Ice, Nutrition, and Contaminants	12/13/2017	182,329
McKinney, Melissa A	North Pacific Research Board	Effects of Habitat and Diet Change on Gut Microbiota, Immune Function, and Infectious Pathogens in Polar Bears	12/15/2017	459,293
Rittenhouse, Tracy A	CT Department of Energy and Environmental Protection	Bobcat Resource Selection and Movements within Exurban Development	12/07/2017	174,769
Parent, Jason R	Eversource	Evaluation of LiDAR and Alternative Technologies for Monitoring Roadside Vegetation and Utility Infrastructure - Phase III	11/27/2017	244,999
<b>Nutritional Sciences</b>			<b>6 Proposals</b>	<b>\$3,480,914</b>
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Nutritional Transcriptomics Approach for the Role of Astaxanthin in Liver Fibrosis	10/16/2017	159,500
Blesso, Christopher N	DHHS/NIH/National Institutes of Health	Dietary Sphingomyelin for the Prevention of Chronic Low-Grade Inflammation	10/16/2017	440,875
Kohan, Alison	DHHS/NIH/National Institutes of Health	Determining the Role of apoC-III in the Immune System	10/04/2017	2,022,789
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Assessment of Risk of Exposure to Estrogenic Chemicals via Capsule Coffee Consumption	11/16/2017	160,250
Fernandez, Maria-Luz	USDA/National Institute of Food and Agriculture	Graduate Training for the Prevention of Obesity and Associated Diseases	10/31/2017	257,000
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Zinc Supplementation Reduces Cadmium Burden from Environmental Tobacco Smoke and its Health Risk	10/16/2017	440,500
<b>Pathobiology</b>			<b>5 Proposals</b>	<b>\$1,535,158</b>
Levin, Milton J	North Pacific Research Board/Tufts University	Biomagnification of Contaminants in Coastal Gulls and Association With the Host Virus Community and a Zoonotic Fish Parasite	12/15/2017	67,424
Levin, Milton J	Morris Animal Foundation	Analytical and Diagnostic Validation of a Biomeme Mobile/Field Platform to Rapidly Detect Influenza A Virus in Wildlife	11/15/2017	46,546
Geary, Steven J	NSF/National Science Foundation/Cornell University	Coinfection and its Role in the Evolution of Polymorphism for Virulence in an Emerging Pathogen	11/15/2017	885,771
Szczepanek, Steven M	Morris Animal Foundation	Influence of the Microbiota on Susceptibility to Snake Fungal Disease	11/15/2017	94,542
Szczepanek, Steven M	DHHS/NIH/National Institutes of Health	The Role of the AP-1 Transcription Factors in B-cells for Long-term Pneumococcal Polysaccharide-conjugate Vaccine Responses and their Dysfunction in Sickle Cell Disease	10/16/2017	440,875
<b>Plant Science and Landscape Architecture</b>			<b>6 Proposals</b>	<b>\$431,637</b>
Guillard, Karl	DOI/United States Geological Survey	USGS-CTIWR-2018	11/03/2017	50,000
Legrand, Ana	USDA/National Institute of Food and Agriculture/University of Massachusetts, Amherst	Increasing Grower Adoption of Ecologically-Based Pest Management Strategies to Improve Quality and Yield of Brassica Crops	10/18/2017	42,000

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Legrand, Ana	Cornell University	Development of a Model System for Monitoring Potato Leafhopper using Remote Sensing Technology	11/15/2017	50,000
Kuzovkina-Eischen, Yulia	USDA/National Institute of Food and Agriculture/University of Vermont	Developing Integrated Crop Pollination Strategies for Crops Benefiting from Buzz Pollination	10/24/2017	174,696
Miniutti, Peter J	Connecticut Innovations	Task 8: Vulnerability Assessments and Conceptual Design for Milford and New London	12/05/2017	65,000
Inguagiato, John C	Cornell University	Exploring Methods to Enhance Biocontrol of Turfgrass Diseases in the Urban Landscape	11/15/2017	49,941
<b>College of Liberal Arts and Sciences</b>			<b>155 Proposals</b>	<b>\$68,378,500</b>
<b>Anthropology</b>			<b>1 Proposals</b>	<b>\$11,425</b>
Xygalatas, Dimitrios	Templeton (John) Foundation/Arizona State University	Magic, Religion, and Trust Across Cultures	12/01/2017	11,425
<b>Chemistry</b>			<b>23 Proposals</b>	<b>\$9,966,015</b>
Kumar, Challa V	NSF/National Science Foundation	Investigation of Stability and Catalytic Activity of Enzymes Confined Within Pores of Cellulosis Matrices	10/20/2017	413,016
Basu, Ashis K	DHHS/NIH/National Institutes of Health	Mutagenic Mechanism of Heterocyclic Amine and Nitroaromatic Carcinogens	10/05/2017	2,506,512
Sotzing, Gregory A	Gentex	Development of Electrochromic Devices	10/02/2017	16,006
Rusling, James F	DHHS/NIH/National Institute of General Medical Sciences	Ultrasensitive Immunoarrays for Low Cost Multiplexed Protein Detection	10/05/2017	1,999,532
Brueckner, Christian	NSF/National Science Foundation	Pyrrole-Modified Porphyrins - Chromophores of Basic and Applied Interests	10/02/2017	462,909
He, Jie	NSF/National Science Foundation	SusChEM: Single Chain Polymer Foldamers Containing Multi-Copper Sites as Bio-Inspired Catalysts for Aerobic Hydroxylation of Phenols and Oxidation of Primary Alcohols	10/12/2017	352,514
He, Jie	NSF/National Science Foundation	COLLABORATIVE RESEARCH: Quantum Dot-Metal Hybrid Photocatalysts for CO2 Reduction: Synthesis, Spectroscopy and Catalysis	10/20/2017	232,637
He, Jie	NSF/National Science Foundation	Engineering Au-Oxide Interfaces of Mesoporous Au/Tungstate Catalysts for Highly Efficient Plasmon-Enhanced Solar Water Splitting	10/18/2017	461,567
Suib, Steven L	General Electric	GE - Energy	10/30/2017	100,000
Adamson, Douglas	Rogers Corporation	Graphene Modified Flame Retardant Foams/Hexagonal Boron Nitride Coated Polymer Films	12/22/2017	48,848
Angeles-Boza, Alfredo M	British Society for Antimicrobial Chemotherapy	Oxidizing Antimicrobial Peptides as Adjuvants for Antimicrobial Chemotherapy	11/29/2017	66,590
Kumar, Challa V	NSF/MPS/Directorate for Mathematical and Physical Sciences	Graphene-Armored Biological Materials	11/01/2017	405,209
Zhao, Jing	Johnson & Johnson	Development of Carbon-Based Fluorescent Probes for Neuroimaging	10/30/2017	150,000
Asandei, Alexandru	NSF/National Science Foundation	Architecturally Complex Main Chain Fluoropolymers	10/31/2017	546,344
He, Jie	NSF/National Science Foundation	Self-Assembly Thermodynamics and Kinetics of Intramolecularly Cross-linked Unimers: Synthesis, Characterization and Computer Modeling	10/31/2017	482,184
Adamson, Douglas	NSF/MPS/Directorate for Mathematical and Physical Sciences	ABA Triblock Copolymer Brushes for Mesoscale Assembly	11/01/2017	333,205
Adamson, Douglas	NSF/National Science Foundation	Collaborative Research: Grafting Through Mechanism for Dense and Low Dispersity Surface Initiated Polymer Brushes	10/31/2017	333,205
Rouge, Jessica	American Chemical Society	Isolation of Ribonucleic Acid-Heme Conjugates Capable of Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons in Co-Solvent Systems	10/20/2017	110,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon Micro-Droplet Dynamics Determined through Surface Confinement of Trapped Kinetic States	10/20/2017	110,000
Suib, Steven L	NSF/National Science Foundation	Collaborative Research: Selective Oxidation Catalysis on Oxides Containing Pores of Molecular Dimensions	10/18/2017	128,657
Lin, Yao	NSF/MPS/Directorate for Mathematical and Physical Sciences	Material Properties of Complex Macromolecules Containing Synthetic Polyamino Acids	11/01/2017	367,119
Asandei, Alexandru	American Chemical Society	Transition Metal Catalyzed Interconversion of Pefluoroalkyl Halides	10/19/2017	110,000
Ung, Gael W	NSF/National Science Foundation	Synthesis of Spirobirhodamines as Versatile Near-Infrared Fluorophores	10/02/2017	229,961
<b>Ecology and Evolutionary Biology</b>			<b>8 Proposals</b>	<b>\$735,904</b>
Bagchi, Robert	NSF/National Science Foundation	Collaborative Research: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	12/05/2017	6,455
Garcia-Robledo, Carlos A	NSF/National Science Foundation	REU Supplement: Dimensions: Collaborative Research: Biotic and Abiotic Drivers of Neotropical Plant Speciation	12/05/2017	10,190
Simon, Christine M	NSF/National Science Foundation	REU Supplement: Exploring Endosymbiont Biodiversity and Complexity in the Family Cicadidae	12/05/2017	14,000
Yarish, Charles	DOC/NOAA/National Marine Fisheries Service	Interpreting Ocean Observation System Data to Better Estimate Production, Time of Seeding and Out-Planting of Kelp	10/10/2017	
Wegrzyn, Jill L	NSF/National Science Foundation	Collaborative Proposal - MSB-FRA: Ecological and Evolutionary Controls Mediate Foundational Tree Species Responses to Bark Beetles, Pathogens, and Drought in the Arid Western US	10/16/2017	417,893
Knutie, Sarah A	Johnson & Johnson	Host Microbiota as a Mediator of Pollutants, Immune Responses, and Disease Risk in Frogs	10/27/2017	150,000
Knutie, Sarah A	Morris Animal Foundation	Relationships among Microbiota, Defenses, and Introduced Parasites of Galapagos Birds	11/09/2017	137,366
Urban, Mark C	NSF/National Science Foundation	NRT-INFEWS: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	12/06/2017	
<b>Geography</b>			<b>3 Proposals</b>	<b>\$119,794</b>
Park Boush, Lisa	National Geographic Society	Climate and Culture in the Bahamas during the Medieval Climate Organization	12/20/2017	4,873
Park Boush, Lisa	DOI/United States Geological Survey/CT Department of Energy and Environmental Protection	Bedrock Geological Map of the Lower Connecticut River Valley, Connecticut	11/15/2017	114,921
Seth, Anji	NSF/National Science Foundation	NRT: Training Leaders in Translational Research at the Nexus of Weather, Water, and Well-Being	12/06/2017	
<b>History</b>			<b>1 Proposals</b>	<b>\$28,872</b>
Vernal-Wright, Fiona	Department of Higher Education and Training Republic of South Africa/University of Fort Hare	Visiting Scholars from South Africa	12/14/2017	28,872
<b>Human Development and Family Studies</b>			<b>5 Proposals</b>	<b>\$1,120,281</b>
Watson, Ryan J	DHHS/NIH/National Institutes of Health	LGBQ Youth Substance Use: Subgroup Differences, Risk, and Protective Factors	10/16/2017	242,107
Gans-DeLuca, Kim M	DHHS/NIH/National Heart, Lung, and Blood Institute/University of Rhode Island	A Home-Based Video and Motivational Interviewing Intervention to Improve Preschoolers Diet Quality and Parental Food Parenting Practices	11/02/2017	206,285
Watson, Ryan J	DHHS/NIH/National Institutes of Health	Protective and exposure factors of gender identity disclosure in transgendered and gender nonconforming (TGNC) youth	12/08/2017	132,132

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Lombardi, Caitlin S	Foundation for Child Development	Characteristics of Early Childhood Educators that Support the School Readiness of Disadvantaged Children	10/09/2017	180,000
Eaton, Lisa A	DHHS/NIH/National Institutes of Health/University of California, San Diego	Analyzing Existing Behavioral Interventions to Reduce HIV Risk	12/14/2017	359,757
<b>Integrative Geoscience</b>			<b>5 Proposals</b>	<b>\$1,145,829</b>
Feng, Ran	NSF/GEO/Directorate for Geosciences	Collaborative Research: A Paleoclimate Perspective on Southwest North American Climate Response to Elevated Greenhouse Gases	10/20/2017	105,658
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: Investigating Multi-Scale Climate Dynamics in CA: An Integrated Multi-Proxy Stalagmite, Monitoring, and Modeling Approach	10/20/2017	133,319
Feng, Ran	NSF/GEO/Directorate for Geosciences	Collaborative Research: Characteristics and Causes of Continental Aridification in Western United States Across the Eocene-Oligocene Transition	10/20/2017	181,016
Feng, Ran	NSF/National Science Foundation/Stony Brook University	Collaborative Research: Integrating Tectonics, Climate, and Mammal Diversity	11/14/2017	133,349
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: Evaluating Climate Change and Kill Mechanisms Associated with the End-Cretaceous Mass Extinction: A Model-Data Comparison Approach	11/14/2017	592,487
<b>Marine Sciences</b>			<b>11 Proposals</b>	<b>\$2,702,968</b>
Siedlecki, Samantha A	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Washington	Experiments with Seasonal Forecasts of ocean conditions in the Pacific Northwest to aid the crab fishery	12/14/2017	159,919
Baumann, Zofia A	DOC/NOAA/National Oceanic and Atmospheric Administration/North Pacific Research Board	Mercury Bioaccumulation in Southeastern Bering Sea	12/14/2017	186,058
Dierssen, Heidi M	DOC/NOAA/National Oceanic and Atmospheric Administration/Harbor Branch Oceanographic Institute	Autonomous Micro-Lidar Systems for Exploring Mesophotic Reef Habitats	12/06/2017	58,195
Fewings, Melanie R	NASA/National Aeronautics and Space Administration	Marine Heat Waves in Midlatitude Regions: Spatial Structure, Persistence, and the Role of the Wind Dipole Mode off Eastern Ocean Boundaries	11/13/2017	625,608
Tobias, Craig R	DOD/Army/Corps of Engineers	Tracking the Uptake, Translocation, Cycling and Metabolism of Munitions Compounds in Coastal Marine Ecosystems Using Stable Isotopic Tracer	10/25/2017	49,708
Randolph, Kaylan L	NASA/Dryden Flight Research Center	A Measurement-Based Characterization of the Hyperspectral Reflectance of Breaking Waves, Subsurface Turbulent Kinetic Energy Dissipation Rates, and Air Entrainment as a Function of Physical Forcing	10/05/2017	200,874
Lund, David C	NSF/GEO/Directorate for Geosciences	The Atlantic's Role in Ice Age Inception and Termination: Assessing Carbon Storage and Release with New Brazil Margin Profiles from MIS 2 to MIS 6	10/19/2017	378,951
Whitney, Michael	DOC/NOAA/National Marine Fisheries Service	Real-Time Water Quality Observations for Oyster Aquaculture and Management	10/10/2017	
Siedlecki, Samantha A	DOC/NOAA/Oceanic and Atmospheric Research/University of Washington	Downscaled Seasonal Forecasts for Living Marine Resource Management off the US West Coast	10/16/2017	35,172
Visscher, Pieter	NASA/National Aeronautics and Space Administration	The Role of Protists in Modern Trombolites, From Formation to Early Diagenesis	10/20/2017	991,392
Siedlecki, Samantha A	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Washington	Enhancement of an Existing Ocean Forecast System to Include Ocean Acidification	10/30/2017	17,091
<b>Mathematics</b>			<b>24 Proposals</b>	<b>\$4,570,209</b>
Alonso Ruiz, Patricia	NSF/National Science Foundation	Stochastic Processes on Rough Spaces and Statistics of Random Geometric Models	11/02/2017	136,698
Weyman, Jerzy	NSF/National Science Foundation	Applications of Representation Theory in Commutative Algebra	10/12/2017	432,269
Fulger, Aurel-Mihai	NSF/National Science Foundation	Positivity for Cycles of Higher Codimension	10/12/2017	154,584

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Xiao, Liang	NSF/National Science Foundation	Geometry of Shimura Varieties and Arithmetic Applications	10/13/2017	437,102
Lu, Guozhen	NSF/National Science Foundation	Fourier analysis on hyperbolic spaces and sharp geometric inequalities	10/04/2017	297,037
Chen, Li	NSF/National Science Foundation	Several Aspects of Riesz Transform	10/03/2017	63,218
Zimmerman, Scott	NSF/National Science Foundation	Geometry and Analysis in Carnot Groups	10/03/2017	100,015
Dzhafarov, Damir	NSF/National Science Foundation	Reverse Mathematics, Ramsey Theory, and Computable Combinatorics	10/03/2017	413,092
Baudoin, Fabrice	NSF/National Science Foundation	Topics in Smooth and Non-Smooth Analysis	10/03/2017	203,337
Schiffler, Ralf	NSF/National Science Foundation	Cluster Algebras, Combinatorics, Representation Theory and Knot Theory	10/03/2017	550,595
Chousionis, Vasileios	NSF/National Science Foundation	Analysis on Sub-Riemannian Curves and Surfaces	10/03/2017	208,106
Vellis, Vyron S	NSF/MPS/Directorate for Mathematical and Physical Sciences	Geometric Uniformization of Metric Spheres and Extension Problems	10/03/2017	101,610
Leykekhman, Dmitriy	NSF/National Science Foundation	Discrete Maximal Parabolic Regularity and Applications	12/01/2017	215,967
Yan, Xiaodong	NSF/National Science Foundation	Grain Boundaries, Dislocations and Domain Walls	11/15/2017	167,557
Mostovyi, Oleksii	NSF/National Science Foundation	Asymptotic Analysis of Optimal Investment Problems and Related Topics in Financial Mathematics	11/15/2017	211,018
Lierl, Janna	NSF/National Science Foundation	Parabolic Equations on Metric Spaces	11/07/2017	168,625
Forghani, Behrang	NSF/National Science Foundation	Quantitative and Qualitative Behavior of Random Walks	11/07/2017	97,608
Xiao, Ling	NSF/National Science Foundation	Fully Nonlinear Equations in Differential Geometry	11/07/2017	145,840
Munteanu, Ovidiu	NSF/National Science Foundation	Analysis of Singularities of the Ricci Flow	11/07/2017	158,151
Xiao, Liang	NSF/National Science Foundation	Instructional Workshop: Connecticut Summer School in Number Theory	11/03/2017	49,983
Li, Sean	NSF/National Science Foundation	Analysis of Geometry of Metric Measures Spaces	11/13/2017	59,097
Chousionis, Vasileios	NSF/MPS/Directorate for Mathematical and Physical Sciences	Geometric Measure Theory and its Connections	11/02/2017	49,600
Ben Ari, Iddo	NSA/National Security Agency	REU in Markov Chains	10/16/2017	124,100
Xiao, Liang	DOD/NSA/National Security Agency	Connecticut Summer School in Number Theory	10/16/2017	25,000
<b>Molecular and Cell Biology</b>			<b>15 Proposals</b>	<b>\$11,323,471</b>
Lynes, Michael A	DHHS/NIH/National Institutes of Health/Ciencia	Measuring Toxicant Effects on Cellular Function in a Microarray Format	12/26/2017	500,000
Zweifach, Adam	DHHS/NIH/National Institutes of Health	Developing Chemical Probes to Study the Relationship Between Glycolysis and Cancer Cell Proliferation	10/25/2017	160,250
Knecht, David A	NSF/BIO/Directorate for Biological Sciences	The Role of Chemoattractant Degradation in Diffusional Gradient and Self-Generated Gradient Chemotaxis	11/20/2017	567,604
Cole, James L	NSF/BIO/Directorate for Biological Sciences	Mechanism for Activation of PKR	11/20/2017	1,460,792
Alexandrescu, Andrei T	NSF/BIO/Directorate for Biological Sciences	Structure-Function Relationships of the Phage-Cementing Protein Decorator	11/20/2017	803,671
Papke, Robertson T	NSF/BIO/Directorate for Biological Sciences/College of the Holy Cross	RU: Conditional Protein Splicing in Inteins from Extremophiles: An Integrated Teaching and Research Program	11/10/2017	83,548
Cole, James L	DHHS/NIH/National Institutes of Health	Structural and Mechanistic Analysis of PKR Activation	11/06/2017	1,988,520
Giardina, Charles A	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Dietary Strategies to Enhance 5-FU Cancer Therapies	10/24/2017	48,075
Noll, Kenneth M	NASA/National Aeronautics and Space Administration	A Pilot Study Examining Selective Drivers of Horizontal Gene Transfer Among Thermophilic Bacteria	10/24/2017	264,208

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Papke, Robertson T	NASA/National Aeronautics and Space Administration	Characterizing the Molecular Mechanisms and the Limits of Archaeal Gene Transfer Using Haloferax Volcanii as a Model Genetic System	10/20/2017	989,455
O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Investigating Meiotic Breakdown in Transgenic Mouse Targeting the Xlr3 Gene Family	10/16/2017	440,875
Giardina, Charles A	Rainin (Kenneth) Foundation/University of Connecticut Health Center	Microbial-Epithelial Cross-Talk Modulates UC Phenotype via DNA Methylation of Colon Stem Cells	10/02/2017	95,189
Broderick, Nichole	DHHS/NIH/National Institute of General Medical Sciences	Non-Genetic Inheritance: Mechanisms of Microbiome-Mediated Transgenerational Change	10/03/2017	1,926,334
Core, Leighton J	DHHS/NIH/National Institutes of Health	Regulation, Evolution, and Function of Promoter-Associated Non-Coding RNAs	10/03/2017	1,984,950
Robinson, Victoria L	Connecticut Innovations/Yale University	To Determine Potential Resistance Pathways and Start Small Molecule Assay Development/Inhibitor Screening	11/20/2017	10,000
<b>Philosophy</b>			<b>1 Proposals</b>	<b>\$5,000</b>
Krimerman, Leonard L	Campus Compact	Speaking Truth to Power: Developing Community Centered, Democratic Pedagogy in an Era of Division	10/12/2017	5,000
<b>Physics</b>			<b>14 Proposals</b>	<b>\$4,512,918</b>
Dormidontova, Elena E	NSF/MPS/Directorate for Mathematical and Physical Sciences	Competitive Hydration in Biocompatible Nanomaterials	12/18/2017	336,872
Sochnikov, Ilya	NSF/MPS/Directorate for Mathematical and Physical Sciences	NSF-BSF: Investigating Quantum Criticality and Pairing in Supraconducting SrTiO3 with Mechanical Strain	11/01/2017	450,000
Hancock, Jason N	NSF/MPS/Directorate for Mathematical and Physical Sciences	Negative Thermal Expansion Near Structural Quantum Phase Transitions	11/01/2017	442,800
Wells, Barrett O	NSF/National Science Foundation	Strained Film Structures with Negative Thermal Expansion Materials	11/01/2017	390,754
Schweitzer, Peter	NSF/MPS/Directorate for Mathematical and Physical Sciences	3D Parton Structure of the Nucleon	11/08/2017	362,555
Smith, Winthrop W	NSF/MPS/Directorate for Mathematical and Physical Sciences	Reactions and Cooling of Hybrid-Trapped Ions Using Ultracold Atoms	10/31/2017	24,496
Cote, Robin J	NSF/National Science Foundation	Light Induced Conical Intersections (LICs) and Ultrafast Dynamics in Dressed Molecular States	10/02/2017	445,812
Jones, Richard T	NSF/MPS/Directorate for Mathematical and Physical Sciences	Research and Education with GlueX	11/08/2017	401,010
Trump, Jonathan R	NSF/MPS/Directorate for Mathematical and Physical Sciences	Ultraviolet Echoes of Quasar Accretion Disks	11/15/2017	387,122
Battersby, Cara	NSF/MPS/Directorate for Mathematical and Physical Sciences	3-D CMZ: Unveiling the Structure of our Galaxy's Central Molecular Zone	11/15/2017	422,305
Tease, Katherine E	NASA/National Aeronautics and Space Administration/University of Hartford	Simulating the Detectability of Tidal Features in the Distant Universe	11/17/2017	5,000
Joo, Kyungseon	DOE/Brookhaven National Laboratory	EIC Background Studies and the Impact on the IR and Detector Design	11/16/2017	34,999
Cote, Robin J	NSF/MPS/Directorate for Mathematical and Physical Sciences	Rydberg Electrons as a Probe for Ultracold Systems	10/25/2017	409,233
McCarron, Daniel	NSF/National Science Foundation	Laser Cooling and Trapping a New and Improved Class of Molecule	10/25/2017	399,960
<b>Physiology and Neurobiology</b>			<b>12 Proposals</b>	<b>\$9,348,309</b>
Sun, Jianjun	DHHS/NIH/National Institutes of Health	The molecular mechanisms of NR5A nuclear receptors in follicle development and ovulation	12/08/2017	88,088

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Tran, Melanie	American Association for the Study of Liver Diseases	Central Role of Serpina3n in Mediating Drug-Induced Liver Injury	11/30/2017	50,000
Mulkey, Daniel K	DHHS/NIH/National Institutes of Health	CO2/H+ Vascular Reactivity in the Brainstem is Specialized to Support Respiratory Behavior	12/11/2017	2,873,780
Loturco, Joseph J	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Center for Pediatric Ependymoma Research (CPER)	11/03/2017	1,607,000
Walikonis, Randall S	United States-Israel Binational Science Foundation (BSF)	Collaborative Research: Precision Medicine to Treat IQSEC2 Associated Intellectual Disability, Autism, and Epilepsy	11/03/2017	57,500
Wang, Li	American Heart Association	Regulation of MicroRNA on Lipid and Glucose Homeostasis in Fatty Liver Disease	11/02/2017	114,368
Loturco, Joseph J	DHHS/NIH/National Institutes of Health	Developmental Pathophysiology in Neocortex Caused By Somatic Mutations	12/14/2017	2,008,750
Yang, Zhihong	DHHS/NIH/National Institutes of Health	Long Non-Coding RNA as Novel Regulator of Alcoholic Liver Injury and Hepatic Lipid Homeostasis	10/05/2017	2,008,750
Yang, Zhihong	American Association for the Study of Liver Diseases	Mechanistic Action of LncRNA H19 as a Novel Regulator of Alcoholic Fatty Liver	11/20/2017	300,000
Chen, Xinnian	NSF/National Science Foundation	Collaborative Research: Maximize inclusivity: Building trust in an active learning classroom	12/12/2017	199,993
Wang, Li	American Liver Foundation	miR-21/DUSP16/P38 Axis in Alcoholic liver disease	12/14/2017	12,500
Loturco, Joseph J	DHHS/NIH/National Institutes of Health/Yale University	Non-cell autonomous effect on corticogenesis in mTOR disorders	12/11/2017	27,580
<b>Political Science</b>			<b>2 Proposals</b>	<b>\$81,702</b>
Venator, Charles R	Hartford Foundation for Public Giving	Survey on Impact of Post-Disaster Displacement on the Hartford Region for the Hartford Foundation for Public Giving	11/17/2017	47,280
Gordon, Jane	NEH/National Endowment for the Humanities	Translating and Preparing an English-Language Edition of Nathalie Etoke's Melancholia Africana	12/06/2017	34,422
<b>Psychological Sciences</b>			<b>18 Proposals</b>	<b>\$16,250,533</b>
Gibbons, Frederick	DHHS/NIH/National Institutes of Health	Contextual and Health Behavior Effects on Epigenetic Aging Among African Americans	11/15/2017	3,898,043
Stevenson, Ian	NSF/National Science Foundation	RI: Small: Adaptive Decoding of Noisy, Non-Stationary Neural Spiking Activity	11/15/2017	419,912
Astur, Robert	DHHS/NIH/National Institute on Drug Abuse	The Effects of Nicotine on Learned Fear in Humans Using Virtual Reality	11/16/2017	160,251
Markus, Etan J	United States-Israel Binational Science Foundation (BSF)	How the Social Environment is Represented in the Hippocampus along with the Physical Environment	11/21/2017	115,000
Coppola, Marie	DHHS/NIH/National Institutes of Health/University of Chicago	From Spontaneous Sign Systems to Sign Language	11/20/2017	157,152
Johnson, Blair T	DHHS/NIH/National Institutes of Health	Mindfulness Interventions for Substance Abuse Disorders: Modeling Intervention Mechanisms via Meta Analysis	12/05/2017	440,500
Gorin, Amy	DHHS/NIH/National Institutes of Health	Is long-term maintenance worth the wait? Using real time data capture to examine delayed discounting as a putative target of physical activity adherence in weight loss maintenance interventions	12/05/2017	440,500
Eigsti, Inge-Marie	DHHS/NIH/National Institutes of Health	Optimal Outcomes in ASD: Adult Functioning, Predictors, and Mechanisms	10/05/2017	3,867,116
Gibbons, Frederick	DHHS/NIH/National Institutes of Health/University of Iowa	Contextual Risk and Protective Factors in Cardiovascular Disease: Mediation through Health Behavior and Proximal Biology	10/04/2017	382,055
Park, Crystal	DHHS/NIH/National Institutes of Health	Machine Learning to Integrate Daily Negative Affect into Health Behavior Theory	10/05/2017	2,730,041
Chen, Chi-Ming	DOD/Department of Defense/Drexel University	Video-Enhanced Screening for ASD	10/10/2017	117,882

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Barnes-Farrell, Janet L	DOT/Federal Railroad Administration (FRA)	Short Line Railroad Safety Institute Assessment Tools and Program Development	10/11/2017	100,000
Fitch, Roslyn H	Angelman Syndrome Foundation	Regional and Temporal Ube3a Effects on Language-Related Processing in a Mouse AS Model	10/13/2017	194,108
Burke, Jeffrey D	DHHS/NIH/National Institutes of Health	Testing A Cognitive Model of Chronic Irritability via Simultaneous EEG and fMRI	10/16/2017	440,249
Hancock, Roeland	Spencer Foundation	Dynamic Modelling and Validation of Digital Cognitive Assessment Games	11/01/2017	49,366
Park, Crystal	DHHS/NIH/National Institutes of Health	Innovative Approaches to Substance Use Treatment in College Students	11/16/2017	722,250
Fitch, Roslyn H	DHHS/NIH/National Institute of Child Health and Human Development	Early Markers and Prediction of IDD-Related Outcomes in a Neonatal HI Model	11/06/2017	1,962,420
Park, Crystal	American Heart Association	Effects of Psychological Trauma and Cognitive Appraisals on Cardiovascular Reactivity	11/01/2017	53,688
<b>Speech, Language and Hearing Sciences</b>			<b>2 Proposals</b>	<b>\$2,088,087</b>
Coelho, Carl A	DOD/Department of Defense	Assessment of Discourse following TBI	12/27/2017	1,999,999
Skoe, Erika	DHHS/NIH/National Institutes of Health	Auditory Processing Skills in Children with Specific Language Impairment: Is the Problem Actually Auditory?	12/08/2017	88,088
<b>Statistics</b>			<b>10 Proposals</b>	<b>\$4,367,183</b>
Wang, Haiying	NSF/National Science Foundation	Collaborative Research: Information-Based Subdata Selection Inspired by Optimal Designs of Experiments	11/07/2017	173,054
Wang, Haiying	NSF/National Science Foundation	Collaborative Research: Statistical Inference for Big Data and Rare Events Data via Optimal Subsampling	11/07/2017	193,054
Dey, Dipak K	NSF/National Science Foundation	Collaborative Research: Bayesian Multivariate Analysis of Heterogeneous, Sparse and Low-Rank Data Integration	11/06/2017	307,331
Yan, Jun	DHHS/NIH/National Institute of Dental and Craniofacial Research	NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Method	10/16/2017	330,665
Zhang, Yuping	DHHS/NIH/National Institute of General Medical Sciences	Statistical Methods for Genomics Data Integration	10/03/2017	2,008,750
Chen, Ming-Hui	DHHS/NIH/National Institute on Aging/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	12/20/2017	
Chen, Ming-Hui	Amgen/University of North Carolina, Chapel Hill	Statistical Methods for Meta-Analysis	12/20/2017	56,658
Harel, Ofer	NSF/National Science Foundation	NSF-BSF: III: Small: Information Criteria and Irregular Data-Sets	11/15/2017	412,848
Yan, Jun	NSF/National Science Foundation	Collaborative Research: Statistical inference and computing for discretely observed diffusion governed by a Markov renewal process in animal movement modeling	12/08/2017	479,198
Harel, Ofer	NSF/National Science Foundation	Collaborative Research: Statistical Analysis of Partially Observed Shapes in 2 Dimesions	11/07/2017	405,625
<b>NEAG School of Education</b>			<b>15 Proposals</b>	<b>\$9,200,728</b>
<b>Curriculum and Instruction</b>			<b>6 Proposals</b>	<b>\$7,412,688</b>
Casa, Tutita M	NSF/National Science Foundation	Project M-Write, Mathematical Writing Resource: Innovating Teachers' Educational Experiences	11/14/2017	2,999,979
Settlage, John	NSF/National Science Foundation	Systems Thinking for Science Excellence and Equity	11/14/2017	2,999,536
Staples, Megan	NSF/National Science Foundation	Knowledge Advancement and Program Capacity: Strengthening Secondary STEM Educator Learning	11/14/2017	449,150

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Back, Michele	Spencer Foundation	Spanish Language Support Across the Curriculum: Fostering Latinx Academic Achievement and Engagement through Translanguaging	10/31/2017	50,000
Wilson, Suzanne	NSF/National Science Foundation/Rutgers University	Teacher Professional Development for Embedding Computational Thinking in Mathematics and Science High School Classes	10/31/2017	749,744
Campbell, David	NSF/EHR/Directorate for Education and Human Resources	Collaborative Research: A Model-Based Inquiry (MBI) Planning Tool with Embedded Instructional Heuristics to Support Implementation of the Next Generation Science Standards	11/10/2017	164,279
<b>Educational Leadership</b>			<b>5 Proposals</b>	<b>\$116,000</b>
McGarry, Jennifer E	American Athletic Conference	Student-Athletes and Service Learning Outcomes	12/15/2017	10,000
Castillo-Montoya, Milagros	NASA/National Aeronautics and Space Administration/University of Hartford	College Instructors Learning to Teach Subject Matter to Socially Diverse Students	11/30/2017	4,000
Cooper, Joseph N	American Athletic Conference	Are White Coaches Fulfilling the Culture Needs of Black Athletes?: A Study of Intercultural Communication in the American Athletic Conference	10/12/2017	7,000
Castillo-Montoya, Milagros	Spencer Foundation	College Instructors Learning to Teach Subject Matter to Socially Diverse Students	11/02/2017	70,000
Evanovich, Justin M	National Collegiate Athletic Association	Service Learning Outcomes for UConn Student-Athletes	11/30/2017	25,000
<b>Educational Psychology</b>			<b>4 Proposals</b>	<b>\$1,672,040</b>
Coyne, Michael D	ED/Institute of Education Sciences	MTSS Research Network - Network Lead	10/26/2017	1,499,572
Kearns, Devin	DHHS/NIH/National Institute of Child Health and Human Development/Haskins Laboratories	Computer-Aided and Reading Intervention using Neuroimaging of Growth (CARING)	10/16/2017	144,305
Challenger, Clewiston	American Athletic Conference	College Adjustment and Institutional Attachment: It's Impact on Academic Motivation Among College Students Athletics	12/14/2017	10,000
Kearns, Devin	ED/Department of Education/University of Maryland, College Park	Improving Content Area Literacy Instruction in Middle Schools (Project CALI)	12/05/2017	18,163
<b>School of Business</b>			<b>4 Proposals</b>	<b>\$495,815</b>
<b>CT Small Business Development Center</b>			<b>1 Proposals</b>	
Carter, Emily	SBA/Small Business Administration	Connecticut Small Business Development Center	11/02/2017	
<b>Finance</b>			<b>1 Proposals</b>	<b>\$17,250</b>
Carstensen, Fred V	Dovetail SIP	Southwest Connecticut Collective Impact	12/12/2017	17,250
<b>Marketing</b>			<b>1 Proposals</b>	<b>\$418,565</b>
Kivenzor, Gregory	NSF/National Science Foundation	IGE: Transformative Role of Gamification in Graduate STEM Education	10/25/2017	418,565
<b>Operations &amp; Info Management</b>			<b>1 Proposals</b>	<b>\$60,000</b>
Etudo, Ugochukwu O	DOC/Bureau of the Census/Newlight Technologies	Text & Data Analytics for Census Operations	12/26/2017	60,000
<b>School of Engineering</b>			<b>139 Proposals</b>	<b>\$44,848,553</b>
<b>Biomedical Engineering</b>			<b>11 Proposals</b>	<b>\$8,088,619</b>
Emadi, Sharareh	DHHS/NIH/National Institutes of Health	A Self-Adjuvanted Universal Influenza Nanovaccine	10/05/2017	3,262,728
Feng, Bin	DHHS/NIH/National Institutes of Health	Targeting Lumbosacral DRG to Manage Visceral Pain in IBS	10/05/2017	1,944,223
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Progenitor Responses in Temporomandibular Joint Cartilage Regeneration	10/04/2017	274,555

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Han, Martin	University of Southern California	Electrically-Tunable Focused Ultrasound for Transcranial Neural Stimulation	10/09/2017	741,185
Hoshino, Kazunori	DHHS/NIH/National Institutes of Health/Yale University	Smart Flow Sensor for a Cerebral Shunt	10/11/2017	279,113
Vanden Berg-Foels, Wendy	DOD/Department of Defense/University of Connecticut Health Center	Articular Cartilage Regeneration via Resident Chondroprogenitor: Mechanisms and Utility for Healing Articular Cartilage Defects in Post-Traumatic Osteoarthritis	10/10/2017	214,883
Zheng, Guoan	NSF/National Science Foundation	Fourier Ptychographic Integral Imaging for Reference-Free Aperture Synthesis and Single-Shot 3D Imaging	11/01/2017	320,063
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institute of Dental and Craniofacial Research/University of Connecticut Health Center	Role of PTH on the Chondrogenic Lineage in Mandibular Condylar Cartilage	11/07/2017	14,146
Chon, Ki H	Leidos	Effect of Wakefulness on Auditory Cued Visual Search	12/15/2017	66,282
Santaniello, Sabato	DHHS/NIH/National Institutes of Health	Computational Models for the Investigation of Complex Neuronal Circuits in Information Encoding	12/15/2017	601,875
Hoshino, Kazunori	NSF/National Science Foundation	Micro/Mesoscale Elastography Based on Real-Time 3D Tomography and Cantilever Force Sensing	11/01/2017	369,566
<b>Chemical and Biomolecular Engineering</b>			<b>21 Proposals</b>	<b>\$5,641,211</b>
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	Low-cost Catalyst from Waste Coal Ash for Non-oxidative Conversion of Stranded Natural Gas to Commodity Chemicals	12/01/2017	38,000
Cho, Yongku P	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	High Efficiency and Stringency Ex Vivo Gene Therapy in the Central Nervous System	10/16/2017	642,125
Burke, Kelly A	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Surgical Adhesion Formation in the Presence of Protein-Based Copolymer Barrier Films	10/16/2017	456,503
Nieh, Mu-Ping	NSF/MPS/Directorate for Mathematical and Physical Sciences	Shape-Targeting, Acid-Cleavable Nanoclusters - An Efficacious Delivery Platform for Tumors	11/01/2017	399,564
Valla, Ioulia	NSF/National Science Foundation	Biochars Derived from Food Waste for Sustainable and Clean Urban Agriculture	10/20/2017	299,995
Valla, Ioulia	NSF/National Science Foundation	Collaborative Research: Novel Multistep Catalytic Systems for the Controllable Transformation of Lignocellulosic Biomass to Aviation Fuels	10/31/2017	186,529
Ma, Wing Kui Anson	NSF/National Science Foundation	IUCRC Pre-Proposal Phase I University of Connecticut: Center for Science of Heterogeneous Additive Printing of 3D Materials (SHAP3D)	10/18/2017	
Bollas, Georgios	NSF/National Science Foundation	Systems and Processes for the Chemical and Thermal Utilization of Stranded Natural Gas	10/20/2017	343,909
Lei, Yu	NSF/National Science Foundation	Collaborative Research: A Low-Cost, "Digital" Biosensing Platform with Single Protein Biomarker Sensitivity	11/01/2017	250,000
Burke, Kelly A	Johnson & Johnson	Investigating Healthy to Disease State Transitions using Programmable Culture Substrates	10/31/2017	150,000
Willis, Brian G	NSF/National Science Foundation	Fast Spatial Aid for Complex Optical Film Stacks	11/01/2017	371,327
Burke, Kelly A	NSF/MPS/Directorate for Mathematical and Physical Sciences	Collaborative Research: Cellular Responses to Viscoelasticity in Liquid Crystalline Networks	11/01/2017	311,566
Bollas, Georgios	United Technologies Corporation (UTC)	Robust Active Fault Detection and Isolation in Aerospace Applications of Thermal Fluid Systems	11/06/2017	130,914
Pascal, Jennifer A	NSF/EHR/Directorate for Education and Human Resources/Northeastern University	Drawn to STEM: Advancing STEM Interest and Learning Through Comics	11/06/2017	398,653
Srivastava, Ranjan	NSF/BIO/Directorate for Biological Sciences	Collaborative Research: Dynamic Modeling of a Eukaryotic Signal-Transduction Network Using Multi-omic Data	11/20/2017	518,045
Srivastava, Ranjan	DOE/Department of Energy/Sustainable Innovations	Bioelectrochemical Platform for Chemical Production	12/01/2017	40,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Pascal, Jennifer A	NSF/National Science Foundation/Washington State University	IUSE:EHR: EDUC-ATE: Education Diverse Undergraduate Communities - Affordable Transport Equipment	12/08/2017	24,089
Ma, Wing Kui Anson	Nextflex	Printed Passives for FHE including Materials, Tools and Process Documentation	12/12/2017	150,000
Bollas, Georgios	United Technologies Research Center	Development and Demonstration of Tools and Methods for Linked Data Infrastructure for Smart Manufacturing	12/15/2017	164,993
Bollas, Georgios	NSF/National Science Foundation	IUCRC: Planning University of Connecticut: Center for Networked Embedded, Smart and Trusted Things NESTT	12/20/2017	14,999
Ma, Wing Kui Anson	NSF/National Science Foundation	Phase I IUCRC: University of Connecticut: Venter for Science of Heterogeneous Additive Printing of 3D Materials (SHAP3D)	12/20/2017	750,000
<b>Civil and Environmental Engineering</b>			<b>21 Proposals</b>	<b>\$3,758,434</b>
Garrick, Norman W	DOT/Federal Highway Administration (FHA)	Dwight David Eisenhower Transportation Fellowship Program Graduate Fellowship - Vannesa Kello	12/20/2017	5,000
Chrysochoou, Maria	NSF/National Science Foundation	Collaborative Research: Scalable Surface Complexation Models for Contaminant Fate and Transport	10/20/2017	303,498
Konduri, Karthik	DOT/Federal Highway Administration (FHA)	2017 Dwight David Eisenhower Transportation Fellowship Program - Raymond Gerte	12/19/2017	11,500
Chrysochoou, Maria	CT Department of Economic and Community Development	The Connecticut Brownfields Initiative	12/08/2017	50,000
Esmaili Zaghi, Arash	CT Department of Transportation	Adaptation of 3D Scanning Technology for High Precision Bridge Inspection	12/08/2017	248,691
Zhu, Jin	DHHS/NIH/National Institutes of Health/Florida International University	Protecting Medically Vulnerable Minority Populations in Times of Disasters: Cases of Hurricanes Harvey and Irma	10/13/2017	64,285
Christenson, Richard	NSF/National Science Foundation	Collaborative Research: Improving Understanding of Earthquake Engineering and Seismic Protective Systems through Mobile Informal Learning	11/06/2017	871,634
Vadas, Timothy M	DOI/United States Geological Survey	Fe-OM Coprecipitation and its Effects on Bioavailability of Cu and OM to Denitrifiers	11/03/2017	8,000
Shen, Xinyi	DOI/United States Geological Survey	A SAR-Driven Near-Real-Time Inundation Mapping System: Development & Evaluation over Connecticut	11/03/2017	60,000
Nikolopoulos, Efthymios I	DOD/Department of Defense	Non-Stationarity and Its Impact on Frequency Analysis of Sub-Daily Precipitation Extremes in the United States	10/19/2017	200,000
Astitha, Marina	NSF/National Science Foundation	Integrating Multi-Media Environmental Datasets (Modeling Systems, In-Situ and Satellite Measurements) towards Freshwater Quality Assessment and Prediction	10/20/2017	329,694
Anagnostou, Emmanouil N	Eversource	Predictive Storm & Damage Modeling for Preparedness and Emergency Response Support	10/12/2017	200,000
Bagtzoglou, Amvrossios C	Eversource	Evaluation of Grid Resilience Activities with a Total System Performance Assessment Model - Phase 2	11/29/2017	292,000
Shen, Xinyi	Eversource	Evaluation of Substations Vulnerability of Flooding in Current and Climate Change Scenarios and Development of an Early Warning System - Phase II	11/27/2017	245,000
Anagnostou, Emmanouil N	Schneider Electric	Schneider Outage Modeling Research for US and International Electric Distribution Networks	12/20/2017	100,000
Zhang, Wei	DOC/NOAA/National Oceanic and Atmospheric Administration	A Multi-Objective Optimization and Decision Making Tool to Build Weather-Ready Coastal Communities	10/02/2017	549,791
Zhu, Jin	Construction Industry Institute	PUI-01 - Identifying and Evaluating the Impacts of Regulations throughout the Project Lifecycle	10/25/2017	26,879

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	Training Opportunity for CT Law Enforcement in the Investigation of Fatal/Serious Commercial and Heavy Vehicle Crashes	10/19/2017	72,120
Jackson, Eric D	/CT Department of Transportation	Training Opportunity for CT Law Enforcement in the Investigation of Fatal/Serious Commercial and Heavy Vehicle Crashes	10/19/2017	72,120
Kim, Jeongho	NSF/EHR/Directorate for Education and Human Resources/University of the Pacific	Increasing Student's Simulation and Modeling Skills with FE Models	10/13/2017	36,722
Garrick, Norman W	DOT/Federal Highway Administration (FHA)	Dwight David Eisenhower Transportation Fellowship Program Graduate Fellowship - Lorenzo Varone	12/20/2017	11,500
<b>Computer Science and Engineering</b>			<b>18 Proposals</b>	<b>\$6,110,507</b>
Michel, Laurent D	Comcast Corporation	CSI Selected Projects 2018	12/15/2017	299,992
Khan, Mohammad M	NSF/National Science Foundation	SaTC: EDU: Emotion and Efficacy of Gamification: Application to Altering Risky Cyber Behavior	12/13/2017	299,648
Mandoiu, Ion I	DOD/Department of Defense/University of Connecticut Health Center	Immunotherapy of Metastatic Breast Cancer Using Shared Chemotherapy-induced Neoepitopes	11/30/2017	99,199
Peters, Thomas J	NSF/National Science Foundation	Computational Mathematics of Applied Topology and Geometric Combinatorics	12/01/2017	296,595
Fuller, Benjamin	ODNI/IARPA/Intelligence Advanced Research Projects Activity/Stealth Software	The PANTHEON Secure Computation System	11/28/2017	236,984
Peters, Thomas J	DHHS/NIH/National Institutes of Health	Modeling the Neurodevelopmental Impact of Hydrocephalus	11/16/2017	440,500
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/Roswell Park Cancer Institute	Immunotherapy against Specific Products of Abnormal Splicing Events Induced by Chemotherapy	11/16/2017	476,911
Shvartsman, Alexander A	NSF/National Science Foundation	AF: Medium: Distributed Middleware with Rigorous Semantics and Security Guarantees for Stabilizing, Robust Data-Consistent Applications	11/15/2017	1,200,000
Nabavi, Sheida	NSF/National Science Foundation	Sparse Representation for Detecting Genomic Structural Variations	11/15/2017	450,658
Wang, Bing	NSF/National Science Foundation	NeTS: Small: Collaborative Research: Enabling Emerging Video Streaming Applications in Challenging Wireless Networks	11/15/2017	299,997
Fuller, Benjamin	NSF/National Science Foundation	SaTC: Small: Next-Generation Secure Outsourced Databases	11/15/2017	232,313
Han, Song	NSF/CISE/Directorate for Computer and Information Science and Engineering	NeTS: Medium: Collaborative: Achieving Control Certainty in Uncertain Environments: Holistic Approach to Dynamic Network Resource Management	11/15/2017	499,776
Han, Song	NSF/National Science Foundation	SaTC: Core: Small: Collaborative: A Communication Framework with Verifiable Authenticity and Integrity for Resource-Constrained Industrial IoT Networks	11/15/2017	249,896
Krawec, Walter O	NSF/National Science Foundation	SaTC: CORE: Small: Verification and Automatic Generation of Secure Quantum Cryptographic Protocols	11/10/2017	331,620
Krawec, Walter O	NSF/National Science Foundation	CIF: Small: Secure Quantum Communication with Limited Resources	11/07/2017	331,620
Duggirala, Parasara S	United Technologies-Corporate Headquarters	Testing Based Approaches for Validation and Verification of Cyber-Physical Systems	11/06/2017	64,798
Han, Song	NSF/CISE/Directorate for Computer and Information Science and Engineering	CRI Pre-Proposal: II-New: A Hybrid Software-Defined Real-Time Sensing and Control Network Testbed for Performance-Critical Cyber-Physical Applications	11/01/2017	
Russell, Alexander	NSF/National Science Foundation	SaTC: CORE: Medium: Collaborative: Theory and Practice of Cryptosystems Secure Against Subversion	10/10/2017	300,000
<b>Electrical and Computer Engineering</b>			<b>22 Proposals</b>	<b>\$6,931,783</b>
Bazzi, Ali	DRS Technologies	Digital Active EMI Filter for DC/AC Three-Phase Inverters	12/20/2017	98,923
Zhang, Liang	DOC/National Institute of Standards and Technology (NIST)	Transient Analysis - Enabled Real-Time Production Diagnosis, Prognosis, and Control for Smart Manufacturing: Theory and Application	10/23/2017	161,427

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bazzi, Ali	DOE/Office of Energy Efficiency and Renewable Energy	Reliable, Intelligent, and Efficient Power Electronic PV Inverters (RIPE PV Inverters)	10/12/2017	590,827
Bazzi, Ali	NSF/National Science Foundation	IGE: Multidisciplinary Cohort-Thesis in Energy Systems: A Pilot Program	10/25/2017	497,539
Wang, Lei	NSF/National Science Foundation	Hardware-Efficient Signal Reconstruction and Processing for Self-Organizing Embedded Systems	11/01/2017	336,855
Jain, Faquir C	NSF/National Science Foundation	Cladded Quantum Dot Superlattices to Design and Fabricate Novel Lasing Diodes on Si	11/01/2017	362,862
Bar-Shalom, Yaakov M	Ministry of Defense (Israel)	Ground Vehicle Tracking with Imaging Sensors	10/30/2017	100,000
Luh, Peter B	NSF/National Science Foundation	A Revolutionary Way to Tackle Challenging MILP Problems in Power Systems through Accelerated Convergence, Formulation Tightening and Asynchronous Optimization	11/01/2017	576,024
Bar-Shalom, Yaakov M	DOD/Navy/Naval Surface Warfare Center	Sensor Fusion for Radar and EO Sensors Indian Head	11/27/2017	450,000
Javidi, Bahram	Binational Science Foundation	Efficient Inexpensive Optical Cell Identification Method	11/08/2017	114,999
Biyikli, Necmi	NSF/MPS/Directorate for Mathematical and Physical Sciences	Atomic Layer Deposition of Pristine and Doped Phase-Change Chalcogenide Alloys	11/01/2017	499,966
Wang, Lei	NSF/National Science Foundation	Compressive Sampling Based Analog Sensor Signal Encoders	11/01/2017	450,538
Chandy, John A	NSF/National Science Foundation	Risk-Based Approach to Secure Systems Modeling and Design	11/14/2017	299,535
Bar-Shalom, Yaakov M	DOD/Air Force Research Laboratory/Matrix Research	Highly-Maneuvering Obscured Target Extraction with OTHR	11/03/2017	550,001
Dani, Ashwin	United Technologies-Corporate Headquarters	Learning Physics from Machines: Physics-Informed Machine Learning	11/06/2017	143,193
Dutta, Abhishek	United Technologies-Corporate Headquarters	Analysis and Design of Cyber-Secure Systems: Hardware Authentication, Resilient Monitoring and Resilient Control	11/06/2017	444,327
Gupta, Shalabh	United Technologies-Corporate Headquarters	Reconfigurable Aerospace Systems for Reliability and Performance	11/06/2017	126,338
Wang, Lei	NSF/CISE/Directorate for Computer and Information Science and Engineering	SHF: Small: Formal Methods for the Design of Microorganism-Based Energy Harvesting Circuits and Systems	11/14/2017	355,980
Bragin, Mikhail A	ABB	Efficient Network Constrained Unit Commitment: A Parallelized Surrogate Absolute-Value Lagrangian Relations + Branch-and-Cut Approach	12/29/2017	85,058
Zhang, Peng	Eversource	Grid-Side System Enhancements to Integrate Distributed Energy Resources (Phase II)	12/11/2017	200,001
Khan, Omer	NXP Semiconductors Netherlands B.V.	Exploring Performance, Resiliency and Safety Tradeoffs for ADAS Applications on Quarc	12/18/2017	50,000
Wang, Lei	NSF/National Science Foundation	SaTC: CORE: Small: Formal Methods for Analysis of Security Vulnerabilities of Embedded Systems	11/15/2017	437,390
<b>Engineering Dean</b>			<b>5 Proposals</b>	<b>\$1,629,099</b>
Bozorgmanesh, Hadi	Connecticut Innovations	The Third Bridge	10/30/2017	100,000
Wei, Mei	Connecticut Innovations/University of New Haven	Developing Entrepreneurial Talent for Connecticut	10/17/2017	37,500
Wei, Mei	Connecticut Innovations	Connecticut Global Entrepreneurship Network	10/16/2017	638,204
Wei, Mei	NSF/National Science Foundation	Integrated Modeling and Experimental Approaches for Design and Fabrication of Novel Bioresorbable Composites for Load-Bearing Bone Fixation Applications	10/16/2017	432,576
Wei, Mei	NSF/National Science Foundation	Engineering Magnetic Nanoworms for Enhanced Drug Delivery and Cancer Treatment: An Integrated in Silico, in Vitro and in Vivo Study	10/13/2017	420,819
<b>Engineering Diversity Program</b>			<b>2 Proposals</b>	<b>\$10,000</b>

\* Awards are listed according to the tenure home of the PI on each project.



## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Burkey, Daniel D	NASA/National Aeronautics and Space Administration/University of Hartford	Chitosan Antimicrobial Coatings to Decrease Growth of Bacteria in the International Space Station	12/22/2017	5,000
Burkey, Daniel D	NASA/National Aeronautics and Space Administration/University of Hartford	Three-Dimensional Bioprinting for Life Supporting Ecosystems in Space	11/24/2017	5,000
<b>Materials Science and Engineering</b>			<b>11 Proposals</b>	<b>\$3,549,033</b>
Gao, Puxian	NSF/National Science Foundation/Advanced Manufacturing	Isotropic Metallic Components Fabricated by Additive Manufacturing under Guidance of ICME	12/01/2017	10,000
Gao, Puxian	NSF/National Science Foundation/3D Array Technology	Nano-Array Structured High-Efficiency Diesel Particulate Filter	12/04/2017	75,000
Carter, Clive B	NSF/National Science Foundation	GOALI: Mechanisms of Lithiation and Delithiation Reactions in Layered Materials Combining TEM and Atomic Scale Modeling	12/05/2017	441,402
Gao, Puxian	NSF/National Science Foundation/3D Array Technology	Ultralow PGM Loading Nano-array/Wash-coat Hybrid based Low Temperature Diesel Oxidation Catalysts	12/04/2017	112,500
Nakhmanson, Serge M	DOD/DARPA/Defense Advanced Research Projects Agency	Risk Analysis of Thermostructural Performance of Ceramic Composites	12/04/2017	720,208
Lee, Seok Woo	DOE/Office of Science	Mechanical Properties of Metals at the Micrometer Scale in Different Environments	12/04/2017	367,566
Gao, Puxian	NSF/National Science Foundation	Collaborative Research: Probing Reactivity and Stability in Nano-Array Supported Single Atom Catalysts	11/01/2017	597,624
Gao, Puxian	NSF/National Science Foundation	Understanding Size and Shape Effects in Nanowire Array Supported Metal Catalysts for Heterogeneous Gas Phase Reactions	10/20/2017	299,999
Singh, Prabhakar	DOE/Department of Energy/UES	Phase 2: Low Cost High Entropy Alloy (HEA) Anode for Distributed Reforming and Prevention of Carbon Deposition in SOFC	12/29/2017	450,000
Gao, Puxian	USDA/National Institute of Food and Agriculture/3D Array Technology	Ultralow Pgm Loading Nano-Array Based Oxidation Catalysts for Agricultural Vehicles and Machinery	10/03/2017	33,332
Carter, Clive B	NSF/National Science Foundation	GOALI: Mechanisms of Lithiation and Delithiation Reactions in Layered Materials Combining TEM and Atomic Scale Modeling	10/20/2017	441,402
<b>Mechanical Engineering</b>			<b>28 Proposals</b>	<b>\$9,129,867</b>
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable Intracranial Pressure Sensor Based Solely on Medical Biomaterials	10/04/2017	977,695
Tasoglu, Savas	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Automated and Effortless Daily Health Monitoring through Urine	10/16/2017	642,125
Tasoglu, Savas	American Cancer Society	High-Throughput Image Cytometry: Real-Time Monitoring and Early Detection	10/16/2017	729,000
Cao, Chengyu	DOE/National Energy Technology Laboratory/University of Massachusetts, Lowell	TA [B] Distributed Fiber Sensing Systems for 3D Combustion Temperature Field Monitoring in Coal-Fired Boilers using Optically Generated Acoustic Waves	11/09/2017	7,730
Nguyen, Thanh D	Arthritis National Research Foundation	A Novel Injectable Piezoelectric Hydrogel for Osteoarthritis Treatment	12/27/2017	100,702
Sung, Chih-Jen	NSF/National Science Foundation/FGC Plasma Solutions	Plasma Assisted Combustion for Broadening Operability Characteristics of High-Shear Injectors	11/30/2017	127,000
Lykotrafitis, George	DOD/Department of Defense/University of Connecticut Health Center	Multidisciplinary Study of Adverse Events Related to Breast Cancer Chemotherapy Agents in African American Females with Sickle Cell Trait	12/05/2017	560,000
Pasaogullari, Ugur	DOE/Department of Energy/T2M	Membranes for Electrochemical Compressors	12/01/2017	19,976
Lykotrafitis, George	DHHS/NIH/National Institutes of Health	Modeling Cell Migration during Cranial Sensory System Development	11/16/2017	442,086
Matheou, Georgios	NASA/National Aeronautics and Space Administration/California Institute of Technology	Ocean Worlds Mission Modeling and Simulation	11/08/2017	253,861

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Chiu, Wilson K	DOE/Office of Science	Three-Dimensional Characterization of Transport and Electrochemical Pathways in Reticulate Microstructures	12/14/2017	454,377
Pettes, Michael T	NSF/National Science Foundation	Electronic Transport in Thermodynamically Stable and Unstable Two-Dimensional Materials at Far from Mechanical Equilibrium Conditions	11/01/2017	325,000
Pettes, Michael T	NSF/National Science Foundation	I-Corps: Direct Characterization of Electrothermal Properties of Roll-to-Roll-Manufactured Materials	11/06/2017	50,000
Bruno, Claudio	DOD/Air Force Research Laboratory	Physic-Based Modeling of Turbulence at High Mach	11/28/2017	359,194
Nguyen, Thanh D	NSF/MPS/Directorate for Mathematical and Physical Sciences	Biodegradable and Biocompatible Piezoelectric Polymer Based on >> Magnetic Nano-Composite	11/01/2017	300,000
Pettes, Michael T	NSF/National Science Foundation	Emergent Single Photon Phenomena in Layered Materials	10/27/2017	325,000
Nguyen, Thanh D	NSF/National Science Foundation/University of Connecticut Health Center	EFRI - C3 SoRo: Bionic Regenerative Engineering	10/24/2017	388,879
Lykotrafitis, George	NSF/National Science Foundation	Multiphysics of Collective Cell Migration During Cranial Sensory System Development	10/25/2017	292,480
Tasoglu, Savas	NSF/National Science Foundation	Droplet-Based 3D Printing of Single-Injection Drug-Delivery Vehicles	10/20/2017	481,500
Pettes, Michael T	NSF/National Science Foundation	Collaborative Research: A New Route to Non-Diffusive Thermal Transport Realized through Persistent Micelle Templating	10/20/2017	225,000
Li, Ying	NSF/National Science Foundation/American Chemical Society	Fundamental Insights into Molecular Selectivity of Synthetic Membranes through Molecular Simulations	10/20/2017	110,000
Fan, Tai-Hsi	NSF/National Science Foundation	Prediction of Surface Defects due to Incomplete Fusion of Powders During Selective Laser Melting Process	10/20/2017	322,417
Tasoglu, Savas	NSF/National Science Foundation	Glioma-on-a-chip: Probing Glioma Cell Invasion and Gliomagenesis on a Multiplexed Chip	10/20/2017	481,500
Chiu, Wilson K	NSF/National Science Foundation	The Role of 3-D Anode Microstructure During Long-Term Solid Oxide Fuel Cell Degradation	10/20/2017	299,459
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Harnessing Cell Adhesion Events for Regenerative Engineering	10/12/2017	78,738
Chiu, Wilson K	NSF/National Science Foundation	Rapid Calculation of Open-Cell Metal Foam Three-Dimensional Structure Properties and Their Relationship to Thermal Transport	10/20/2017	299,459
Sung, Chih-Jen	Coordinating Research Council	Autoignition Study of CRC Diesel Surrogates in a Rapid Compression Machine	10/05/2017	34,913
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable Piezoelectric Scaffold for Bone Regeneration	10/10/2017	441,776
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$10,000</b>
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$10,000</b>
Perkins, Lisa E	DOTR/Internal Revenue Service	Low Income Tax Payer Clinic	11/07/2017	10,000
<b>School of Nursing</b>			<b>12 Proposals</b>	<b>\$14,026,021</b>
<b>School of Nursing</b>			<b>12 Proposals</b>	<b>\$14,026,021</b>
Polifroni, Elizabeth C	DHHS/HRSA/Bureau of Health Workforce	UConn Preparing Tomorrow's Nurse Educators: NFLP 2018	11/20/2017	90,025
Starkweather, Angela	DHHS/NIH/National Institutes of Health	Pain Sensitivity in Low Back Pain	10/05/2017	1,575,069
Newlin, Kelley H	DAISY Foundation	Diabetes Self-Management, Psychosocial-Behavioral Factors, and Health Outcomes in Individuals with LADA: A Pilot Study - from LOI	12/20/2017	5,000
Cong, Xiaomei	DHHS/NIH/National Institute of Nursing Research	Center for Optimizing Symptom Management of Multiple Chronic Conditions Using Nursing-Omics Evaluation (COMMUNE)	11/30/2017	2,029,644

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Young, Erin	DOD/Department of Defense	Peripheral P2X3 Expression Following Spinal Cord Injury: Potential Biomarkers of Risk for Persistent Bowel Pain and Autonomic Dysreflexia	11/28/2017	653,577
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Targeting ASIC3 to Disrupt Nociceptor Sensitization Following Spinal Cord Injury	11/16/2017	433,579
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) Regulation of Pain	11/06/2017	2,505,839
Lucas, Ruth F	NSF/National Science Foundation	Effectiveness and Efficiency of Human Milk Transfer: Quantification of Velocity, Flow and Pressure	10/25/2017	851,579
Young, Erin	DHHS/NIH/National Institute of Nursing Research	Sex-Specific Genetic Determinants of IBS-Related Pain	10/04/2017	2,213,834
Starkweather, Angela	Eastern Nursing Research Society	Assessing the Management of Pediatric Postoperative Pain with Genetics	12/20/2017	5,000
Starkweather, Angela	DHHS/NIH/National Institutes of Health	Optimizing Chronic Low Back Pain Self-Management with Yoga	12/15/2017	2,456,095
Starkweather, Angela	DHHS/NIH/National Institutes of Health/University of Maryland, Baltimore County	Neurophysiological and transcriptomic predictors of chronic low back pain: towards precision pain management (NEAT Study)	12/13/2017	1,206,780
<b>School of Pharmacy</b>			<b>23 Proposals</b>	<b>\$18,701,774</b>
<b>Pharmaceutical Sciences</b>			<b>21 Proposals</b>	<b>\$18,595,950</b>
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Multi-targeting Antifolates for Hematological Malignancies	12/20/2017	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Towards Broad Spectrum Antifungal Agents	12/20/2017	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health	Therapeutic Agents Targeting Mycobacterium Tuberculosis	11/09/2017	2,943,348
Wiemer, Andrew	American Cancer Society	Synthesis of Phosphoantigens for Gamma-Delta T Cell Stimulation	10/06/2017	163,500
Balunas, Marcy J	DHHS/NIH/National Institute of General Medical Sciences	Regulation of Bioactive Metabolites in Host-Microbe Symbioses	10/03/2017	2,008,750
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Discovering the Molecular, Cellular, and Physiological Profiles of Novel CB2 Selective Agonists	10/05/2017	1,898,375
Wiemer, Andrew	American Cancer Society	Role of BTN3A1 in Phosphoantigen-Induced Cell Lysis	10/10/2017	784,000
Aneskievich, Brian J	DOD/Department of Defense	Control Over Pro-Fibrotic Signaling by the Scleroderma-Associated Gene TNIP1	10/18/2017	912,422
Grant, David F	DHHS/NIH/National Institutes of Health	Compound Structure Identification for Biomedical Metabolomics	10/20/2017	3,279,814
Bahal, Raman	Pablove Foundation	Next Generation Targeting of Oncogenic MicroRNAs using Tiny PNAs for Leukemia Therapy	10/19/2017	50,000
Zhong, Xiaobo	DHHS/NIH/National Institutes of Health	The Role of Long Non-Coding RNAs in the Regulation of Drug Metabolism	11/02/2017	2,008,750
Balunas, Marcy J	Hertz (Fannie and John) Foundation	Understanding Host-Symbiont Interactions: Key to Marine Chemical Ecology	10/27/2017	246,642
Wright, Dennis	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Role of Viral and Cellular Recombination Proteins in HSV DNA Replication	11/03/2017	438,524
Bahal, Raman	Yale University/Connecticut Innovations	Site Specific Genome Editing of Hematopoietic Stem Cells for Sickle Cell Disease Gene Therapy	10/27/2017	200,000
Bahal, Raman	Children's Cancer Research Fund	Next Generation Targeting of OncomiRs for Pediatric Cancer Therapy	11/30/2017	100,000
Bahal, Raman	Bayer	Site Specific Genome Editing of Hematopoietic Stem Cells for Hemophilia B Gene Therapy	11/30/2017	63,617
Wright, Dennis	DHHS/NIH/National Institutes of Health	Synthesis and Evaluation of Tropolone Derived Compounds for Myeloma Therapy	12/13/2017	2,283,200
Wright, Dennis	DHHS/NIH/National Institutes of Health	Targeting Glycolytic Enzymes as an Antibacterial Strategy	12/15/2017	440,500

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Burgess, Diane J	International Association for Dental Research/University of Connecticut Health Center	Development of a novel, long-acting, topical anesthetic product for pain secondary to oral mucositis and other oral ulceration	12/08/2017	24,996
Burgess, Diane J	DHHS/FDA/Food and Drug Administration	Impact of Polymer Source Variations on Parenteral Microsphere Drug Product Performance	12/11/2017	449,512
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	New Therapeutics to Treat Non-Mycobacterium Tuberculosis Infections	12/20/2017	100,000
<b>Pharmacy Practice</b>			<b>2 Proposals</b>	<b>\$105,824</b>
Rickles, Nathaniel M	Community Pharmacy Foundation	Enhancing Mental Health Care through Community Pharmacist's Administration of Long-Acting Injectable Antipsychotics (LAIA)	10/19/2017	50,511
Smith, Marie A	Community Pharmacy Foundation	The Development of Community Pharmacist - Primary Care Medication Reconciliation Toolkit for Redesigning Workflows and Communications	10/18/2017	55,313
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$162,219</b>
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$162,219</b>
Lin, Hsiu-Ju	American Cancer Society/Yale University	Incarceration and Cancer-Related Outcomes	10/10/2017	92,347
Rodis, Eleni T	CT Department of Mental Health and Addiction Services	Connecticut's Critical Time Investment Plus	12/22/2017	30,000
Parr, Kathryn E	CT Department of Children and Families/University of Connecticut Health Center	RSVP 2018	11/21/2017	24,872
Libal, Kathryn R	Fahs-Beck Fund for Research and Experimentation	Fahs Beck Doctoral Dissertation Grant	10/27/2017	5,000
Thomas, Rebecca L	Connecticut Coalition Against Domestic Violence	CT Project: Planning for the Participatory Needs Assessment of Human Trafficking Typologies and Response in Connecticut	10/10/2017	10,000
<b>Academic and Service Programs</b>			<b>3 Proposals</b>	<b>\$433,325</b>
<b>Provost &amp; Exec VP Academic Affairs</b>			<b>1 Proposals</b>	<b>\$205,164</b>
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health	Genetic Analysis of Behavioral Traits in Peromyscus Relevant to Autism	11/06/2017	205,164
<b>Unassigned Department</b>			<b>2 Proposals</b>	<b>\$228,161</b>
Jordan, Eric H	United Technologies-Pratt & Whitney	Gradient Rig Testing Simulation of CMAS Damage Progression	10/11/2017	18,161
Thompson, Amy	DOE/Office of Energy Efficiency and Renewable Energy/University of New Haven	Bringing Fault Detection and Diagnosis (FDD) Tools into the Mainstream: Retro Commissioning and Continuous Commissioning of HVAC and Refrigeration Systems	10/24/2017	210,000
<b>Vice President for Research</b>			<b>10 Proposals</b>	<b>\$8,814,289</b>
<b>Center for Environmental Sciences and Engineering</b>			<b>1 Proposals</b>	<b>\$50,000</b>
Perkins, Christopher R	DOI/United States Geological Survey	A Quantitative Assessment of the Spatiotemporal Dynamics of Cyanobacteria and Cyanotoxins in Connecticut Lakes and Freshwater Beaches	11/03/2017	50,000
<b>Institute for Collaboration on Health, Intervention and Policy</b>			<b>2 Proposals</b>	<b>\$748,815</b>
Schwartz, Marlene B	Feeding America	Promoting Foods to Encourage in Feeding America Food Banks	11/03/2017	54,995
Butler, Lisa M	DHHS/NIH/National Institutes of Health	A Household Food-Security Intervention to Improve Maternal-Child Nutrition and Psychosocial Outcomes Among HIV-Exposed and HIV-Unexposed Infants and their Mothers in Uganda	10/10/2017	693,820
<b>Northeast Undersea Research Technology and Education Center</b>			<b>1 Proposals</b>	<b>\$1,517,856</b>
Babb, Ivar G	NSF/EHR/Directorate for Education and Human Resources	IMMERSE - Innovative Marine Media Experiences for Research in STEM Education	11/06/2017	1,517,856

\* Awards are listed according to the tenure home of the PI on each project.



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Report for Quarter Ending: 12/31/2017

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Sea Grant College Program</b>			<b>3 Proposals</b>	<b>\$4,962,747</b>
Deguisse, Sylvain	EPA/Long Island Sound Office/New York Sea Grant	New York Sea Grant Partial Support for 2017-2019 EPA LISS Research Projects (Lawrence and Whitney)	10/31/2017	259,919
Payne, Diana L	DOC/NOAA/National Oceanic and Atmospheric Administration	Ready, Responsive, Resilient (R3)	12/19/2017	
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Connecticut Sea Grant 2018-2022 Omnibus	11/01/2017	4,702,828
<b>Vice President for Research</b>			<b>3 Proposals</b>	<b>\$1,534,871</b>
Maric, Radenka	Proton OnSite	Novell Electrode Development for Electrolizer	12/21/2017	16,306
Maric, Radenka	Cabot Corporation	Fundamental Study of Catholde Material in the Lithium-Ion Battery	12/18/2017	50,000
Gallo, Gregory J	Connecticut Innovations	Connecticut Intercollege Partnership for Technology Transfer	12/29/2017	1,468,565
<b>University of Connecticut - Storrs &amp; Regional</b>			<b>412 Proposals</b>	<b>\$179,930,239</b>
<b>School of Dental Medicine</b>			<b>10 Proposals</b>	<b>\$6,391,121</b>
<b>Craniofacial Sciences</b>			<b>2 Proposals</b>	<b>\$5,163,872</b>
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Progenitor Responses in Temporomandibular Joint Cartilage Regeneration	10/05/2017	2,420,123
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Regeneration of the Osteochondral Tissue of the Mandibular Condylar Cartilage via Novel Multi-Zonal Scaffold and ...	10/03/2017	2,743,749
<b>Oral Health and Diagnostic Sciences</b>			<b>4 Proposals</b>	<b>\$640,941</b>
Lalla, Rajesh V	DHHS/NIH/National Institutes of Health/Carolinas Medical Center	Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients	11/01/2017	490,592
Lalla, Rajesh V	International Association for Dental Research	Novel Long-Acting Topical Anesthetic Product for Oral Mucositis Pain	12/11/2017	50,000
Bermudez Millan, Angela	DHHS/NIH/National Institutes of Health/Yale University	Empowering Pregnant Latinas to Increase Fruit and Vegetable Intake	10/12/2017	68,146
Lalla, Rajesh V	DHHS/NIH/National Institutes of Health/Carolinas Medical Center	Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients	10/30/2017	32,203
<b>Reconstructive Sciences</b>			<b>4 Proposals</b>	<b>\$586,308</b>
Kelly, John R	DHHS/NIH/National Institutes of Health/Oral Fluid Dynamics	Artificial Salivary Gland Development	12/29/2017	70,001
Kalajzic, Ivo	DHHS/NIH/National Institute on Aging/West Virginia University Health Sciences Center	Osteogenesis in miniature pigs treated with I.V Bisphosphonate: Evaluation of early bone healing around titanium	10/24/2017	64,648
Bayarsaihan, Dashzeveg	DHHS/NIH/National Institutes of Health	Dynamics of 5hmC acquisition during specification of odontoblast lineage	10/16/2017	438,625
Kalajzic, Ivo	DHHS/NIH/National Institutes of Health/University of California, Los Angeles	Pathophysiologic Mechanisms of Bisphosphonate Related Osteonecrosis of the Jaws	10/24/2017	13,034
<b>School of Medicine</b>			<b>117 Proposals</b>	<b>\$121,625,801</b>
<b>Calhoun Cardiology Center - CCC</b>			<b>3 Proposals</b>	<b>\$6,603,640</b>
Hinson, John Travis	DHHS/NIH/National Institutes of Health	Comprehensive Analysis of Allelic, Cellular and Molecular Heterogeneity in Human 3-Dimensional Cardiac...	10/05/2017	2,807,953
Hinson, John Travis	DHHS/NIH/National Heart, Lung, and Blood Institute	Metabolic and Developmental Regulation by AMPK in PRKAG2-associated cardiomyopathy	10/12/2017	177,120
Alessi, Stephanie	DHHS/NIH/National Institutes of Health	Combining technologies to treat smokers with opioid use disorder	10/05/2017	3,618,567

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Cell Biology</b>			<b>14 Proposals</b>	<b>\$21,847,365</b>
Mehlmann, Lisa M	DHHS/NIH/National Institutes of Health	Cytoplasmic Maturation in Mouse Oocytes	10/04/2017	1,993,750
Shapiro, Linda H	DHHS/NIH/National Institutes of Health	A Multiscale Modeling Approach to Ischemia/Reperfusion Injury	10/05/2017	3,027,557
Peluso, John J	DHHS/NIH/National Institutes of Health	Luteal cell expression of Progesterone Receptor Membrane Component-1 and 2 prevents the premature demise	11/01/2017	2,291,547
Vera-Licona, Martha Paola	DHHS/NIH/National Institutes of Health	A computational systems biology pipeline to assess the controllability of tissue-resident macrophages under the presence of pathogens	10/16/2017	462,100
Yue, Lixia	DHHS/NIH/National Heart, Lung, and Blood Institute/Mount Sinai School of Medicine	A Shox2-centric Transcriptional Pathway Controls Sinoatrial Node Development and Maturation	10/11/2017	65,090
Loew, Leslie M	DHHS/NIH/National Institutes of Health	High sensitivity voltage sensitive dyes for photoacoustic sensing of brain electrical activity	10/17/2017	1,980,186
Mendes, Pedro J	DHHS/NIH/National Institutes of Health	Understanding and predicting iron physiology at multiple scales - from cells to individuals	11/03/2017	2,960,738
Laubenbacher, Reinhard C	DHHS/NIH/National Institutes of Health	Multiscale modeling of the battle over iron in invasive lung infection	11/06/2017	3,850,005
Laubenbacher, Reinhard C	DHHS/NIH/National Institutes of Health/Hartford Hospital	Neural Architecture of Emotion Regulation, Adolescent Development and Depression	10/30/2017	91,183
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Imaging in vivo neurotransmitter modulation of brain network activity on realtim	10/25/2017	20,087
Yue, Lixia	DHHS/NIH/National Institutes of Health	Calcium signaling mechanisms in cardiac fibrosis	11/06/2017	2,468,099
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Towards real-time non-invasive imaging of functional network dynamics in human brain	12/07/2017	2,189,775
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University School of Medicine	Nerve-Sparing Robot-Assisted Radical Prostatectomy Using Neuromodulation-Based Nerve Localization for Preventing Post-Operative Erectile Dysfunction	11/13/2017	78,103
Terasaki, Mark R	Connecticut Science Fund/Vanguard Charitable Endowment Program	Structural Organization of the Endoplasmic Reticulum	11/29/2017	369,145
<b>Center for Molecular Medicine</b>			<b>1 Proposals</b>	<b>\$438,625</b>
Costa, Jessica	DHHS/NIH/National Institutes of Health	PQ1 Molecular Mechanisms Influencing Disease Penetrance in the Setting of Germline CDC7373 Mutation	10/30/2017	438,625
<b>Center for Quantitative Medicine</b>			<b>1 Proposals</b>	<b>\$57,066</b>
Konstorum, Anna	DHHS/NIH/National Institutes of Health	Multiscale modeling of synergistic T cell activation for cancer immunotherapy	11/30/2017	57,066
<b>Center for Vascular Biology</b>			<b>1 Proposals</b>	<b>\$438,625</b>
Caromile, Leslie A	DHHS/NIH/National Cancer Institute	Prostate Specific Membrane Antigen Regulated Pathways in Prostate Cancer	11/30/2017	438,625
<b>Community Medicine and Health Care</b>			<b>10 Proposals</b>	<b>\$1,797,758</b>
Stevens, Richard G	DHHS/NIH/National Institutes of Health/Yale University	Study of Health Impact of Fluctuating-work Time (SHIFT): A Molecular Perspective	10/20/2017	178,569
Durante, Amanda J	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Infectious Disease Epidemiology Services: Public Health Surveillance & Monitoring, Advance Epidemiology	10/23/2017	47,710
Kuo, Chia-Ling	DHHS/NIH/National Institutes of Health	Understanding the role of ApoE2 in longevity and age-related diseases and conditions using 500,000 UK Biobank...	10/16/2017	357,374

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Schensul, Stephen L	DHHS/NIH/National Institutes of Health/University of Connecticut	Identifying Contributing Factors to the Progression of Chronic Kidney Disease of Unknown Etiology in Sri Lanka	10/13/2017	57,688
Cavallari, Jennifer M	University of Massachusetts, Lowell	The Association Between Workplace Factors, Lifestyle Behaviors and Work Ability in Working Breast Cancer Survivors	10/17/2017	13,000
Ungemack, Jane A	Trinity Health/Saint Francis Hospital and Medical Center	UConn Evaluation of Well Being 360-Transforming Communities Initiative	10/05/2017	59,007
Ungemack, Jane A	CT Department of Children and Families	Recovery Specialist Voluntary Program (RSVP/RCM) Evaluation year 9a (Federal), 9b (State).	11/29/2017	60,000
Schensul, Stephen L	DHHS/NIH/National Institutes of Health	Alcohol and ART Adherence: Assessment, Intervention and Modeling in India	11/30/2017	614,455
Schensul, Stephen L	DHHS/NIH/National Institute on Drug Abuse/Population Council	Tobacco Cessation Amng HIV Positive People on Antiretroviral Therapy (ART) in Urban India	12/20/2017	375,246
Gelbar, Nicholas	DHHS/NIH/National Institutes of Health/Hospital for Special Care	Curriculum Development and Peer Mentoring to Improve Post-Secondary Outcomes for Student with an Autism ...	10/16/2017	34,709
<b>Genetics and Developmental Biology</b>			<b>14 Proposals</b>	<b>\$14,631,313</b>
Carmichael, Gordon G	DHHS/NIH/National Institutes of Health	Genomewide mapping of sites of RA 2-0-Methylation in Prader-Willi Syndrome	12/15/2017	235,343
Li, Yuanhao	DHHS/NIH/National Institutes of Health	Molecular Regulation of Lineage Specification of The Mouse Cerebellum	12/15/2017	2,591,528
Mayer, Bruce J	DHHS/NIH/National Institutes of Health	Integrating computational modeling and tyrosine phosphoproteomics in cancer	12/08/2017	2,990,874
Chamberlain, Stormy J	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Comprehensive Mapping of Long Range Chromatin Interactions on Humans and Mouse Genomes	11/29/2017	6,932
Beck, Christine R	DHHS/NIH/National Institutes of Health	Mechanism of Repetitive Element Mediated Genomic Rearrangements	11/30/2017	747,000
Pinter, Stefan F	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Center for Epigenetic Bases of Reproductive Health and Disease	11/20/2017	1,595,000
Yu, Ji	DHHS/NIH/National Institutes of Health	Super-resolution imaging based on reversible labeling	11/15/2017	335,955
Cotney, Justin L	DHHS/NIH/National Institutes of Health/Emory University	Identification of chromatin architecture at the RUNZ1 locus that regulates bone formation and mineralization	11/15/2017	82,178
Yu, Ji	Binational Science Foundation	Using novel optogenetic approach to elucidate the role of EphB2 in synaptic plasticity and memory formation	11/21/2017	92,460
Young, Erin	DOD/Department of Defense/University of Connecticut	Peripheral P2X3 expression following spinal cord injury: Potential biomarkers of risk for persistent bowl pain...	11/02/2017	238,034
Gunzl, Arthur K	DHHS/NIH/National Institutes of Health/Yale University	RNA Metabolism in Trypanosomes	10/19/2017	133,509
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	New Tools to stimulate the biophysics of multi-molecular clusters	10/05/2017	1,595,000
Chamberlain, Stormy J	DHHS/NIH/National Institutes of Health	A novel therapeutic approach for Prader-Willi syndrome	10/05/2017	1,993,750
Rogina, Blanka	DHHS/NIH/National Institutes of Health	Non-Autonomous Control of Aging in Drosophila	10/03/2017	1,993,750
<b>Immunology</b>			<b>12 Proposals</b>	<b>\$10,262,870</b>
Medvedev, Andrei E	DHHS/NIH/National Institutes of Health	Mechanisms of Impaired Mycobacteria Sensing by TLR2 and TLR4 Polymorphic Variants	10/30/2017	3,413,014
Medvedev, Andrei E	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Long Non-Coding RNA, TLR Tolerance and Sepsis	10/25/2017	239,250
Medvedev, Andrei E	DHHS/NIH/National Institutes of Health	Air pollution particles, deregulation of macrophage responses and infection	11/14/2017	438,625
Adler, Adam J	DHHS/NIH/National Institutes of Health	Breaking Tolerance to Induce Tumor-Specific Cytotoxic CD4 Th1 Cells	11/02/2017	1,993,750
Srivastava, Pramod K	DHHS/NIH/National Institutes of Health/Roswell Park Cancer Institute	Immunotherapy against specific products of abnormal splicing events induces by chemotherapy	11/21/2017	239,250

\* Awards are listed according to the tenure home of the PI on each project.

## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Haynes, Laura	DHHS/NIH/National Institutes of Health/University of Vermont	Sexual dimorphism in the neonatal lung response to influenza infection	10/12/2017	39,781
Haynes, Laura	DHHS/NIH/National Institutes of Health	Does the senescent environment contribute to age-related changes in T cell function?	12/12/2017	438,625
Vella, Anthony T	DHHS/NIH/National Institutes of Health/CaroGen	Augmenting T-cell Responses of VLV-Based HBV Vaccines with Co-stimulatory Molecules	12/05/2017	103,675
Zhou, Beiyan	DHHS/NIH/National Institutes of Health	The impact of immune cells on adipose MSCs: microRNA regulation	10/03/2017	1,993,750
Adler, Adam J	DHHS/NIH/National Institutes of Health	Test if antitumor T cells use a putative super-enhancer in the IL1RL2-IL1RL1 intergenic region to form 'innate-like'...	10/16/2017	438,625
Haynes, Laura	DHHS/NIH/National Institutes of Health	Impact of Aging and Influenza Respiratory Tract Infection on Muscle Health	10/26/2017	446,025
Srivastava, Pramod K	DOD/Department of Defense/Roswell Park Cancer Institute	Immunotherapy Against Specific Products Of Abnormal Splicing Events Induced By Chemotherapy	12/06/2017	478,500
<b>Medicine</b>			<b>18 Proposals</b>	<b>\$13,807,540</b>
Dieckhaus, Kevin D	DHHS/HRSA/Health Resources and Services Administration/City of Hartford, CT	Ryan White Part A Minority AIDS Initiative (MAI) (2 parts/funds Outpt Ambulatory and Tx Adherence)	12/14/2017	283,546
Liang, Bruce T	DHHS/NIH/National Institute of Nursing Research/University of Connecticut	Center for Optimizing Symptom Management of Multiple Chronic Conditions Using Nursing-Omics Evaluation	11/29/2017	0
Dieckhaus, Kevin D	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Dissecting molecular mechanisms of Staphylococcus epidermidis genetic heterogeneity in infection	11/03/2017	115,804
Rosenberg, Daniel W	DHHS/NIH/National Institutes of Health	Dietary strategies to enhance FOLFOX cancer therapies	10/30/2017	453,725
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	The selective advantage of mismatch repair loss in colonic system cells	10/27/2017	2,789,007
Delany, Anne M	DHHS/NIH/National Institutes of Health	microRNAs and glucocorticoid signaling in the osteoblast lineage	12/07/2017	2,006,884
Robison, Julie T	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Microbiome plasticity & pathogenicity in older adults: baselines & transitions from skilled nursing care	12/13/2017	1,346,266
Ivanaviciene, Jurate	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Subcontract for services pursuant to the provision of the CMHC HIV prevention program in CDOC	12/29/2017	514,273
Prabhakar, Kavita	DHHS/HRSA/Health Resources and Services Administration/City of Hartford, CT	HIV/Hep C Co-Infection Project	10/12/2017	85,483
Dieckhaus, Kevin D	DOD/Department of Defense/Jackson Laboratory	Systematic identification of novel inhibitors of Staphylococcus epidermidis biofilm formation in wounds and medical devices	10/12/2017	162,238
Radolf, Justin D	DHHS/NIH/National Institutes of Health	Borrelia burgdorferi cligopeptide (Opp) transporter control of cellular homeostasis and growth	10/16/2017	438,625
Lo, Wai Hong	DHHS/NIH/National Institutes of Health	Harnessing cell adhesion events for regenerative engineering	10/16/2017	453,874
Gould, Bruce E	DHHS/CMS/Centers for Medicare and Medicaid Services/CT Office of the Healthcare Advocate	State Innovation Models: Round Two of Design and Testing Assistance - CHWs	10/31/2017	721,923
Lo, Wai Hong	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Piezoelectric Scaffold for Bone Regeneration	10/05/2017	103,512
Rosenberg, Daniel W	Rainin (Kenneth) Foundation	Microbial-epithelial cross-talk modulates UC phenotype via DNA methylation of colon stem cells	10/02/2017	297,327
Rosenberg, Daniel W	DHHS/NIH/National Cancer Institute/Jackson Laboratory	The microbiome of precancerous lesions	10/13/2017	111,650
Petry, Nancy M	DHHS/NIH/National Institutes of Health	Improving care for opioid use disorder	10/02/2017	3,856,078

\* Awards are listed according to the tenure home of the PI on each project.



## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Root, Tracy M	DHHS/CDC/Centers for Disease Control and Prevention/University of North Carolina, Charlotte	Employing self-Management Practices for Occupational Well-being, Work ability, Self-Efficacy, and Resilience (EMPOWER): A Trial of a Novel Web-based Behavioral Intervention with Telephonic Coaching	10/04/2017	67,325
<b>Molecular Biology &amp; Biophysics</b>			<b>5 Proposals</b>	<b>\$6,277,376</b>
Carson, John H	DHHS/NIH/National Institutes of Health	Essential Functions for CGG Repeats in FMR1 RNA	10/05/2017	1,993,750
Bezsonova, Irina	DHHS/NIH/National Institutes of Health	Ubiquitin -Proteasome pathway in Cancer	10/03/2017	1,582,505
Weller, Sandra K	DHHS/NIH/National Institutes of Health	Genetics of HSV DNA Replication	10/13/2017	641,362
Weller, Sandra K	DHHS/NIH/National Institutes of Health	Role of viral and cellular recombination proteins in HSV DNA replication	11/09/2017	2,022,259
Bezsonova, Irina	DHHS/NIH/National Institutes of Health/Progenra	Substrate specific USP7 inhibitors for cancer immunotherapy	12/12/2017	37,500
<b>Neuroscience</b>			<b>9 Proposals</b>	<b>\$8,360,101</b>
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) Regulation of Pain	11/02/2017	1,331,133
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Targeting ASIC3 to disrupt nociceptor sensitization following spinal cord injury	11/13/2017	242,775
Antic, Srdjan D	DHHS/NIH/National Institutes of Health/Imperial College of Science, Technology and Medicine	Near-Infrared Genetically Encoded voltage Indicators (NIR-GEVIs) for All Optical Electrophysiology (AOE)	12/21/2017	295,898
Martinelli, David C	National Multiple Sclerosis Society	The Role of C1QL1 In Oligodendrocyte Maturation	12/21/2017	44,000
Antic, Srdjan D	DHHS/NIH/National Institutes of Health/State University of New York	Embedded Ensemble Encoding	10/11/2017	168,250
Bernstein, Leslie	DOD/Navy/Office of Naval Research	Identifying and Measuring Factors Limiting Binaural Auditory Processing in Normal Hearing Listeners and Listeners	10/31/2017	1,576,578
Antic, Srdjan D	DHHS/NIH/National Institutes of Health	Technologies for multi-cell voltage imaging at single-cell resolution	10/13/2017	2,269,092
Trakhtenberg, Feliks	DHHS/NIH/National Institutes of Health	Epigenetic and transcriptional regulation of axon growth and regeneration in the CNS	10/02/2017	1,993,750
Ma, Xinming	DHHS/NIH/National Institutes of Health	Exploring the role of RFWD2 in dendritic spines	10/16/2017	438,625
<b>Orthopaedic Surgery</b>			<b>13 Proposals</b>	<b>\$13,654,882</b>
Zanotti, Stefano	DHHS/NIH/National Institutes of Health	Role of Notch in Intervertebral Disc Degeneration	11/15/2017	438,625
Laurencin, Cato	NSF/National Science Foundation	EFRI C3 SoRo: Bioactive Soft-Robotic Bracing for Regenerative Engineering	10/25/2017	2,000,000
Guzzo, Rosaria	DHHS/NIH/National Institutes of Health	A patient cell-based assay to identify novel compounds for myelin regeneration	10/13/2017	438,625
Laurencin, Cato	DHHS/NIH/National Institutes of Health/Carnegie Mellon University	Osteomimetic graphene as a cell instructive scaffold for bone regeneration	10/06/2017	179,857
Canalis, Ernesto	DHHS/NIH/National Institutes of Health	The Skeleton of Lateral Menigocele Syndrome	10/26/2017	2,403,429
Guzzo, Rosaria	National Multiple Sclerosis Society	Can PPMS-specific iPSCs interrogate disease-associate defects	10/02/2017	44,000
Sanjay, Archana	DHHS/NIH/National Institutes of Health	Signaling Mechanisms Regulating Osteoclast Function	10/04/2017	2,170,085
Kumbar, Sangamesh G	DOD/Department of Defense	Biodegradable Nanocomposites for Regeneration of Large Segmental Bone Defects	10/17/2017	1,337,380
Mazzocca, Augustus D	Arthrex	Arthrex Fellowships 2017-2018	12/18/2017	156,555
Walker, Joseph	DHHS/NIH/National Institutes of Health/University of Connecticut	Optimizing Chronic Low Back Pain Self-Management with Yoga	12/12/2017	115,804
Nukavarapu, Syam P	DHHS/NIH/National Institutes of Health	Biodegradable Scaffold for Osteochondral Tissue Engineering	12/01/2017	1,993,750

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Laurencin, Cato	NSF/National Science Foundation	Research Experience and Mentoring Program	11/09/2017	100,000
Sanjay, Archana	DHHS/NIH/National Institutes of Health	Role of PI3K Signaling in Fracture Healing	11/06/2017	2,276,772
<b>Pediatrics</b>			<b>2 Proposals</b>	<b>\$767,487</b>
Rosenkrantz, Ted S	DHHS/NIH/National Institutes of Health/University of Connecticut	Early Markers and Prediction of IDD-Related Outcomes in a neonatal HI Model	10/30/2017	334,950
Sayej, Wael N	DHHS/NIH/National Institutes of Health	Investigating the role of esophageal epithelial cells as non-professional antigen presenting cells in eosinophilic...	10/16/2017	432,537
<b>Psychiatry</b>			<b>10 Proposals</b>	<b>\$20,015,710</b>
Hesselbrock, Victor	DHHS/NIH/National Institute on Alcohol Abuse and Alcoholism	Etiology and Treatment of Alcohol Dependence	12/05/2017	8,442,748
Grasso, Damion J	Avielle Foundation/Connecticut Children's Medical Center	Biobehavioral Threat Reactivity as a Link to Stress-related Symptoms in Young Children Exposed to Family Violence	11/07/2017	26,550
Grasso, Damion J	DHHS/NIH/National Institute of Mental Health	Mapping Multi-Level Aspects of Threat Reactivity in Young Children Exposed to Intimate Partner Violence	11/16/2017	4,013,432
Wang, Lihong	DHHS/NIH/National Institutes of Health	Effect of Stress Across the Lifespan on Brain Aging and Cognitive Decline	12/15/2017	3,528,177
Ginsburg, Golda S	DHHS/NIH/National Institutes of Health	2/2 Unified Treatment of Adolescent Emotional Disorders in Community Clinics	12/15/2017	398,932
Barry, Lisa C	DHHS/NIH/National Institutes of Health/University of California, San Francisco	Precursors of Suicide in Older Adults Transitioning from Prison to Community	10/12/2017	594,710
Steffens, David C	DHHS/AHRQ/Agency for Healthcare Research and Quality/University of Connecticut	Treatment of Depression in Older Adult	10/10/2017	35,000
Wang, Lihong	DHHS/NIH/National Institutes of Health	Effect of Stress Across the Lifespan on Brain Aging and Cognitive Decline	10/05/2017	2,900,935
Ford, Julian D	DOJ/Department of Justice/Policy Research Associates	Assessing a Trauma-Informed Decision Protocol for Juvenile Justice Practitioners	10/20/2017	22,572
Wang, Lihong	DHHS/NIH/National Institutes of Health/University of Connecticut	Testing a Cognitive Model of Chronic Irritability via Simultaneous EEG and fMRI	10/11/2017	52,654
<b>Surgery</b>			<b>4 Proposals</b>	<b>\$2,665,443</b>
Kreutzer, Donald L	Helmsley (Leona M. and Harry B.) Charitable Trust/Cell and Molecular Tissue Engineering	In Vivo Evaluation of Biomatrix Coatings for Glucose Sensors	10/27/2017	100,000
Stevenson, Christina E	Komen (Susan G.) Breast Cancer Foundation	Caring Beyond A Mammogram	11/29/2017	65,000
Kreutzer, Donald L	Helmsley (Leona M. and Harry B.) Charitable Trust/Wayne State University	Understanding Insulin Infusion Induces Tissue Injury and Developing New Therapies/Devices	10/20/2017	499,519
Smith, Phillip P	DHHS/NIH/National Institutes of Health	Non-Autonomous Aging Detrusor as a Response to Urothelial Factors	10/03/2017	2,000,924
<b>Other UConn Health</b>			<b>9 Proposals</b>	<b>\$3,352,085</b>
<b>Other UConn Health</b>			<b>9 Proposals</b>	<b>\$3,352,085</b>
Powell, Wizdom A	DHHS/NIH/National Institute on Drug Abuse	Neighborhood, Daily Stress, Affect Regulation, & Black Male Substance Abuse	12/21/2017	24,223
Chung, Michael S	DHHS/NIH/National Institutes of Health	Evaluating ZNF274 as a therapeutic target for Prader-Willi Syndrome	12/08/2017	182,122
Wasko, Nicholas J	DHHS/NIH/National Institutes of Health	The Effects of TLR2 Tolerance on Myelin Repair and T Cell Trafficking in Mouse Models of Multiple Sclerosis	12/06/2017	182,121
Kwon, Grace J	DHHS/NIH/National Institutes of Health	Investigating the function of a highly expressed lncRNA in airway epithelium	12/08/2017	280,948

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
McKay, Charles	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Agreement Between CT Department of Public Health & UCONN Health-CT Poison Center	12/13/2017	60,000
Manz, David H	DHHS/NIH/National Institutes of Health	Role of Ferroportin in reducing Prostate Cancer Metastasis	10/31/2017	38,688
Shuhaibar, Leia	DHHS/NIH/National Institutes of Health	Hormonal Regulation of the NPR2 Guanylyl Cyclase in Bone	10/12/2017	408,111
Inaba, Mayu	DHHS/NIH/National Institutes of Health	Nanotube-mediated regulation of niche-stem cell signaling	10/02/2017	1,993,750
Goetjen, Alexandra M	DHHS/NIH/National Institutes of Health	GABRA2 genetic variants and chromosome conformation in induced pluripotent stem cell-derived neural cells	12/08/2017	182,122
<b>University of Connecticut Health</b>			<b>136 Proposals</b>	<b>\$131,369,007</b>
<b>Grand Total</b>			<b>548 Proposals</b>	<b>\$311,299,246</b>

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Report for Quarter Ending: 12/31/2017

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## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>College of Agriculture, Health and Natural Resources</b>			<b>31 Proposals</b>	<b>\$7,854,635</b>
<b>Allied Health Sciences</b>			<b>1 Proposals</b>	<b>\$49,998</b>
Silbart, Lawrence K	DHHS/NIH/National Institutes of Health/Torigen Pharmaceuticals	A Canine/Mouse Immuno-Oncology Pre-clinical Testing Model	12/22/2017	49,998
<b>Animal Science</b>			<b>2 Proposals</b>	<b>\$258,164</b>
D'Amico, Dennis	Walker (George) Milk Research Fund	Biocontrol of Foodborne Pathogens in Raw Milk for Cheesemaking using Novel Bacterial Antagonists	11/01/2017	19,664
Reed, Sarah A	USDA/National Institute of Food and Agriculture	Developing Outstanding Graduates in Animal Production through Transdisciplinary Experiential Learning Experiences	10/31/2017	238,500
<b>Extension</b>			<b>4 Proposals</b>	<b>\$745,881</b>
Dietz, Michael E	DOI/United States Geological Survey	Winter Deicing Impacts to Groundwater: Radionuclide Mobilization in Water and Air	11/03/2017	59,378
Kelly, Miriah M	Connecticut Innovations	Capability-Based Innovation: Evaluating the Use of Combined Public and Private Investment to Achieve Incremental Community & Economic Development Outcomes in 4 CT Communities	11/01/2017	611,919
Welch, Mary E	USDA/National Institute of Food and Agriculture/University of Missouri	Connecticut Healthy Homes 2018 - Social Media	10/27/2017	13,001
Wilson, Emily H	CT Department of Energy and Environmental Protection	Sea Level Affecting Affecting Marshes Model (SLAMM)	12/29/2017	61,583
<b>Kinesiology</b>			<b>2 Proposals</b>	<b>\$119,995</b>
Casa, Douglas J	National Collegiate Athletic Association/University of North Carolina, Chapel Hill	National Center for Catastrophic Sport Injury Research (NCCSIR)	12/01/2017	74,995
Casa, Douglas J	Pew Charitable Trusts	Health Impact Project Partnership with University of Connecticut	10/16/2017	45,000
<b>Natural Resources and the Environment</b>			<b>5 Proposals</b>	<b>\$1,232,888</b>
Fahey, Robert T	USDA/National Institute of Food and Agriculture	Training Forest Resources Graduates for an Exurban Forest Future	10/31/2017	246,000
McKinney, Melissa A	Morris Animal Foundation	Evaluating Factors Shaping Gut Microbial Composition and Associated Immune Health in Polar Bears	11/15/2017	170,497
McKinney, Melissa A	North Pacific Research Board	Effects of Habitat and Diet Change on Gut Microbiota, Immune Function, and Infectious Pathogens in Polar Bears	12/15/2017	459,293
McKinney, Melissa A	North Pacific Research Board/DOI/United States Geological Survey	Cumulative Effects of Multiple Stressors on Polar Bears (Ursus Maritimus): Sea Ice, Nutrition, and Contaminants	12/13/2017	182,329
Rittenhouse, Tracy A	CT Department of Energy and Environmental Protection	Bobcat Resource Selection and Movements within Exurban Development	12/07/2017	174,769
<b>Nutritional Sciences</b>			<b>6 Proposals</b>	<b>\$3,480,914</b>
Blesso, Christopher N	DHHS/NIH/National Institutes of Health	Dietary Sphingomyelin for the Prevention of Chronic Low-Grade Inflammation	10/16/2017	440,875
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Assessment of Risk of Exposure to Estrogenic Chemicals via Capsule Coffee Consumption	11/16/2017	160,250
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Zinc Supplementation Reduces Cadmium Burden from Environmental Tobacco Smoke and its Health Risk	10/16/2017	440,500
Fernandez, Maria-Luz	USDA/National Institute of Food and Agriculture	Graduate Training for the Prevention of Obesity and Associated Diseases	10/31/2017	257,000
Kohan, Alison	DHHS/NIH/National Institutes of Health	Determining the Role of apoC-III in the Immune System	10/04/2017	2,022,789
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Nutritional Transcriptomics Approach for the Role of Astaxanthin in Liver Fibrosis	10/16/2017	159,500

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Pathobiology</b>			<b>5 Proposals</b>	<b>\$1,535,158</b>
Geary, Steven J	NSF/National Science Foundation/Cornell University	Coinfection and its Role in the Evolution of Polymorphism for Virulence in an Emerging Pathogen	11/15/2017	885,771
Levin, Milton J	Morris Animal Foundation	Analytical and Diagnostic Validation of a Biomeme Mobile/Field Platform to Rapidly Detect Influenza A Virus in Wildlife	11/15/2017	46,546
Levin, Milton J	North Pacific Research Board/Tufts University	Biomagnification of Contaminants in Coastal Gulls and Association With the Host Virus Community and a Zoonotic Fish Parasite	12/15/2017	67,424
Szczepanek, Steven M	DHHS/NIH/National Institutes of Health	The Role of the AP-1 Transcription Factors in B-cells for Long-term Pneumococcal Polysaccharide-conjugate Vaccine Responses and their Dysfunction in Sickle Cell Disease	10/16/2017	440,875
Szczepanek, Steven M	Morris Animal Foundation	Influence of the Microbiota on Susceptibility to Snake Fungal Disease	11/15/2017	94,542
<b>Plant Science and Landscape Architecture</b>			<b>6 Proposals</b>	<b>\$431,637</b>
Guillard, Karl	DOI/United States Geological Survey	USGS-CTIWR-2018	11/03/2017	50,000
Inguagiato, John C	Cornell University	Exploring Methods to Enhance Biocontrol of Turfgrass Diseases in the Urban Landscape	11/15/2017	49,941
Kuzovkina-Eischen, Yulia	USDA/National Institute of Food and Agriculture/University of Vermont	Developing Integrated Crop Pollination Strategies for Crops Benefiting from Buzz Pollination	10/24/2017	174,696
Legrand, Ana	Cornell University	Development of a Model System for Monitoring Potato Leafhopper using Remote Sensing Technology	11/15/2017	50,000
Legrand, Ana	USDA/National Institute of Food and Agriculture/University of Massachusetts, Amherst	Increasing Grower Adoption of Ecologically-Based Pest Management Strategies to Improve Quality and Yield of Brassica Crops	10/18/2017	42,000
Miniutti, Peter J	Connecticut Innovations	Task 8: Vulnerability Assessments and Conceptual Design for Milford and New London	12/05/2017	65,000
<b>College of Liberal Arts and Sciences</b>			<b>135 Proposals</b>	<b>\$57,301,419</b>
<b>Anthropology</b>			<b>1 Proposals</b>	<b>\$11,425</b>
Xygalatas, Dimitrios	Templeton (John) Foundation/Arizona State University	Magic, Religion, and Trust Across Cultures	12/01/2017	11,425
<b>Chemistry</b>			<b>13 Proposals</b>	<b>\$7,167,537</b>
Angeles-Boza, Alfredo M	British Society for Antimicrobial Chemotherapy	Oxidizing Antimicrobial Peptides as Adjuvants for Antimicrobial Chemotherapy	11/29/2017	66,590
Basu, Ashis K	DHHS/NIH/National Institutes of Health	Mutagenic Mechanism of Heterocyclic Amine and Nitroaromatic Carcinogens	10/05/2017	2,506,512
Brueckner, Christian	NSF/National Science Foundation	Pyrrole-Modified Porphyrins - Chromophores of Basic and Applied Interests	10/02/2017	462,909
He, Jie	NSF/National Science Foundation	COLLABORATIVE RESEARCH: Quantum Dot-Metal Hybrid Photocatalysts for CO2 Reduction: Synthesis, Spectroscopy and Catalysis	10/20/2017	232,637
He, Jie	NSF/National Science Foundation	SusChEM: Single Chain Polymer Foldamers Containing Multi-Copper Sites as Bio-Inspired Catalysts for Aerobic Hydroxylation of Phenols and Oxidation of Primary Alcohols	10/12/2017	352,514
Kumar, Challa V	NSF/MPS/Directorate for Mathematical and Physical Sciences	Graphene-Armored Biological Materials	11/01/2017	405,209
Kumar, Challa V	NSF/National Science Foundation	Investigation of Stability and Catalytic Activity of Enzymes Confined Within Pores of Cellulosis Matrices	10/20/2017	413,016
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon Micro-Droplet Dynamics Determined through Surface Confinement of Trapped Kinetic States	10/20/2017	110,000

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Rouge, Jessica	American Chemical Society	Isolation of Ribonucleic Acid-Heme Conjugates Capable of Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons in Co-Solvent Systems	10/20/2017	110,000
Rusling, James F	DHHS/NIH/National Institute of General Medical Sciences	Ultrasensitive Immunoarrays for Low Cost Multiplexed Protein Detection	10/05/2017	1,999,532
Suib, Steven L	NSF/National Science Foundation	Collaborative Research: Selective Oxidation Catalysis on Oxides Containing Pores of Molecular Dimensions	10/18/2017	128,657
Ung, Gael W	NSF/National Science Foundation	Synthesis of Spirobirhodamines as Versatile Near-Infrared Fluorophores	10/02/2017	229,961
Zhao, Jing	Johnson & Johnson	Development of Carbon-Based Fluorescent Probes for Neuroimaging	10/30/2017	150,000
<b>Ecology and Evolutionary Biology</b>			<b>8 Proposals</b>	<b>\$735,904</b>
Bagchi, Robert	NSF/National Science Foundation	Collaborative Research: Effects of Forest Fragmentation on Lepidopteran Herbivores of Contrasting Diet Breadth	12/05/2017	6,455
Garcia-Robledo, Carlos A	NSF/National Science Foundation	REU Supplement: Dimensions: Collaborative Research: Biotic and Abiotic Drivers of Neotropical Plant Speciation	12/05/2017	10,190
Knutie, Sarah A	Johnson & Johnson	Host Microbiota as a Mediator of Pollutants, Immune Responses, and Disease Risk in Frogs	10/27/2017	150,000
Knutie, Sarah A	Morris Animal Foundation	Relationships among Microbiota, Defenses, and Introduced Parasites of Galapagos Birds	11/09/2017	137,366
Simon, Christine M	NSF/National Science Foundation	REU Supplement: Exploring Endosymbiont Biodiversity and Complexity in the Family Cicadidae	12/05/2017	14,000
Urban, Mark C	NSF/National Science Foundation	NRT-INFEWS: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	12/06/2017	
Wegrzyn, Jill L	NSF/National Science Foundation	Collaborative Proposal - MSB-FRA: Ecological and Evolutionary Controls Mediate Foundational Tree Species Responses to Bark Beetles, Pathogens, and Drought in the Arid Western US	10/16/2017	417,893
Yarish, Charles	DOC/NOAA/National Marine Fisheries Service	Interpreting Ocean Observation System Data to Better Estimate Production, Time of Seeding and Out-Planting of Kelp	10/10/2017	
<b>Geography</b>			<b>2 Proposals</b>	<b>\$4,873</b>
Park Boush, Lisa	National Geographic Society	Climate and Culture in the Bahamas during the Medieval Climate Organization	12/20/2017	4,873
Seth, Anji	NSF/National Science Foundation	NRT: Training Leaders in Translational Research at the Nexus of Weather, Water, and Well-Being	12/06/2017	
<b>Human Development and Family Studies</b>			<b>2 Proposals</b>	<b>\$312,132</b>
Lombardi, Caitlin S	Foundation for Child Development	Characteristics of Early Childhood Educators that Support the School Readiness of Disadvantaged Children	10/09/2017	180,000
Watson, Ryan J	DHHS/NIH/National Institutes of Health	Protective and exposure factors of gender identity disclosure in transgendered and gender nonconforming (TGNC) youth	12/08/2017	132,132
<b>Integrative Geoscience</b>			<b>6 Proposals</b>	<b>\$1,260,750</b>
Feng, Ran	NSF/GEO/Directorate for Geosciences	Collaborative Research: A Paleoclimate Perspective on Southwest North American Climate Response to Elevated Greenhouse Gases	10/20/2017	105,658
Feng, Ran	NSF/GEO/Directorate for Geosciences	Collaborative Research: Characteristics and Causes of Continental Aridification in Western United States Across the Eocene-Oligocene Transition	10/20/2017	181,016
Feng, Ran	NSF/National Science Foundation/Stony Brook University	Collaborative Research: Integrating Tectonics, Climate, and Mammal Diversity	11/14/2017	133,349

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Park Boush, Lisa	DOI/United States Geological Survey/CT Department of Energy and Environmental Protection	Bedrock Geological Map of the Lower Connecticut River Valley, Connecticut	11/15/2017	114,921
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: Evaluating Climate Change and Kill Mechanisms Associated with the End-Cretaceous Mass Extinction: A Model-Data Comparison Approach	11/14/2017	592,487
Tabor, Clay	NSF/GEO/Directorate for Geosciences	Collaborative Research: Investigating Multi-Scale Climate Dynamics in CA: An Integrated Multi-Proxy Stalagmite, Monitoring, and Modeling Approach	10/20/2017	133,319
<b>Latino, Caribbean and Latin American Studies Institute</b>			<b>1 Proposals</b>	<b>\$47,280</b>
Venator, Charles R	Hartford Foundation for Public Giving	Survey on Impact of Post-Disaster Displacement on the Hartford Region for the Hartford Foundation for Public Giving	11/17/2017	47,280
<b>Marine Sciences</b>			<b>12 Proposals</b>	<b>\$4,220,824</b>
Babb, Ivar G	NSF/EHR/Directorate for Education and Human Resources	IMMERSE - Innovative Marine Media Experiences for Research in STEM Education	11/06/2017	1,517,856
Baumann, Zofia A	DOC/NOAA/National Oceanic and Atmospheric Administration/North Pacific Research Board	Mercury Bioaccumulation in Southeastern Bering Sea	12/14/2017	186,058
Dierssen, Heidi M	DOC/NOAA/National Oceanic and Atmospheric Administration/Harbor Branch Oceanographic Institute	Autonomous Micro-Lidar Systems for Exploring Mesophotic Reef Habitats	12/06/2017	58,195
Fewings, Melanie R	NASA/National Aeronautics and Space Administration	Marine Heat Waves in Midlatitude Regions: Spatial Structure, Persistence, and the Role of the Wind Dipole Mode off Eastern Ocean Boundaries	11/13/2017	625,608
Lund, David C	NSF/GEO/Directorate for Geosciences	The Atlantic's Role in Ice Age Inception and Termination: Assessing Carbon Storage and Release with New Brazil Margin Profiles from MIS 2 to MIS 6	10/19/2017	378,951
Randolph, Kaylan L	NASA/Dryden Flight Research Center	A Measurement-Based Characterization of the Hyperspectral Reflectance of Breaking Waves, Subsurface Turbulent Kinetic Energy Dissipation Rates, and Air Entrainment as a Function of Physical Forcing	10/05/2017	200,874
Siedlecki, Samantha A	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Washington	Enhancement of an Existing Ocean Forecast System to Include Ocean Acidification	10/30/2017	17,091
Siedlecki, Samantha A	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Washington	Experiments with Seasonal Forecasts of ocean conditions in the Pacific Northwest to aid the crab fishery	12/14/2017	159,919
Siedlecki, Samantha A	DOC/NOAA/Oceanic and Atmospheric Research/University of Washington	Downscaled Seasonal Forecasts for Living Marine Resource Management off the US West Coast	10/16/2017	35,172
Tobias, Craig R	DOD/Army/Corps of Engineers	Tracking the Uptake, Translocation, Cycling and Metabolism of Munitions Compounds in Coastal Marine Ecosystems Using Stable Isotopic Tracer	10/25/2017	49,708
Visscher, Pieter	NASA/National Aeronautics and Space Administration	The Role of Protists in Modern Trombolites, From Formation to Early Diagenesis	10/20/2017	991,392
Whitney, Michael	DOC/NOAA/National Marine Fisheries Service	Real-Time Water Quality Observations for Oyster Aquaculture and Management	10/10/2017	
<b>Mathematics</b>			<b>25 Proposals</b>	<b>\$4,866,804</b>
Alonso Ruiz, Patricia	NSF/National Science Foundation	Stochastic Processes on Rough Spaces and Statistics of Random Geometric Models	11/02/2017	136,698
Baudoin, Fabrice	NSF/National Science Foundation	Topics in Smooth and Non-Smooth Analysis	10/03/2017	203,337
Ben Ari, Iddo	NSA/National Security Agency	REU in Markov Chains	10/16/2017	124,100
Chen, Li	NSF/National Science Foundation	Several Aspects of Riesz Transform	10/03/2017	63,218
Chousionis, Vasileios	NSF/MPS/Directorate for Mathematical and Physical Sciences	Geometric Measure Theory and its Connections	11/02/2017	49,600

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Chousionis, Vasileios	NSF/National Science Foundation	Analysis on Sub-Riemannian Curves and Surfaces	10/03/2017	208,106
Dzhafarov, Damir	NSF/National Science Foundation	Reverse Mathematics, Ramsey Theory, and Computable Combinatorics	10/03/2017	413,092
Forghani, Behrang	NSF/National Science Foundation	Quantitative and Qualitative Behavior of Random Walks	11/07/2017	97,608
Fulger, Aurel-Mihai	NSF/National Science Foundation	Positivity for Cycles of Higher Codimension	10/12/2017	154,584
Leykekhman, Dmitriy	NSF/National Science Foundation	Discrete Maximal Parabolic Regularity and Applications	12/01/2017	215,967
Li, Sean	NSF/National Science Foundation	Analysis of Geometry of Metric Measures Spaces	11/13/2017	59,097
Lierl, Janna	NSF/National Science Foundation	Parabolic Equations on Metric Spaces	11/07/2017	168,625
Lu, Guozhen	NSF/National Science Foundation	Fourier analysis on hyperbolic spaces and sharp geometric inequalities	10/04/2017	297,037
Mostovyi, Oleksii	NSF/National Science Foundation	Asymptotic Analysis of Optimal Investment Problems and Related Topics in Financial Mathematics	11/15/2017	211,018
Munteanu, Ovidiu	NSF/National Science Foundation	Analysis of Singularities of the Ricci Flow	11/07/2017	158,151
Peters, Thomas J	NSF/National Science Foundation	Computational Mathematics of Applied Topology and Geometric Combinatorics	12/01/2017	296,595
Schiffler, Ralf	NSF/National Science Foundation	Cluster Algebras, Combinatorics, Representation Theory and Knot Theory	10/03/2017	550,595
Vellis, Vyron S	NSF/MPS/Directorate for Mathematical and Physical Sciences	Geometric Uniformization of Metric Spheres and Extension Problems	10/03/2017	101,610
Weyman, Jerzy	NSF/National Science Foundation	Applications of Representation Theory in Commutative Algebra	10/12/2017	432,269
Xiao, Liang	DOD/NSA/National Security Agency	Connecticut Summer School in Number Theory	10/16/2017	25,000
Xiao, Liang	NSF/National Science Foundation	Geometry of Shimura Varieties and Arithmetic Applications	10/13/2017	437,102
Xiao, Liang	NSF/National Science Foundation	Instructional Workshop: Connecticut Summer School in Number Theory	11/03/2017	49,983
Xiao, Ling	NSF/National Science Foundation	Fully Nonlinear Equations in Differential Geometry	11/07/2017	145,840
Yan, Xiaodong	NSF/National Science Foundation	Grain Boundaries, Dislocations and Domain Walls	11/15/2017	167,557
Zimmerman, Scott	NSF/National Science Foundation	Geometry and Analysis in Carnot Groups	10/03/2017	100,015
<b>Molecular and Cell Biology</b>			<b>16 Proposals</b>	<b>\$11,528,635</b>
Alexandrescu, Andrei T	NSF/BIO/Directorate for Biological Sciences	Structure-Function Relationships of the Phage-Cementing Protein Decorator	11/20/2017	803,671
Broderick, Nichole	DHHS/NIH/National Institute of General Medical Sciences	Non-Genetic Inheritance: Mechanisms of Microbiome-Mediated Transgenerational Change	10/03/2017	1,926,334
Cole, James L	DHHS/NIH/National Institutes of Health	Structural and Mechanistic Analysis of PKR Activation	11/06/2017	1,988,520
Cole, James L	NSF/BIO/Directorate for Biological Sciences	Mechanism for Activation of PKR	11/20/2017	1,460,792
Core, Leighton J	DHHS/NIH/National Institutes of Health	Regulation, Evolution, and Function of Promoter-Associated Non-Coding RNAs	10/03/2017	1,984,950
Giardina, Charles A	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Dietary Strategies to Enhance 5-FU Cancer Therapies	10/24/2017	48,075
Giardina, Charles A	Rainin (Kenneth) Foundation/University of Connecticut Health Center	Microbial-Epithelial Cross-Talk Modulates UC Phenotype via DNA Methylation of Colon Stem Cells	10/02/2017	95,189
Knecht, David A	NSF/BIO/Directorate for Biological Sciences	The Role of Chemoattractant Degradation in Diffusional Gradient and Self-Generated Gradient Chemotaxis	11/20/2017	567,604
Lynes, Michael A	DHHS/NIH/National Institutes of Health/Ciencia	Measuring Toxicant Effects on Cellular Function in a Microarray Format	12/26/2017	500,000



## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Noll, Kenneth M	NASA/National Aeronautics and Space Administration	A Pilot Study Examining Selective Drivers of Horizontal Gene Transfer Among Thermophilic Bacteria	10/24/2017	264,208
O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Investigating Meiotic Breakdown in Transgenic Mouse Targeting the Xlr3 Gene Family	10/16/2017	440,875
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health	Genetic Analysis of Behavioral Traits in Peromyscus Relevant to Autism	11/06/2017	205,164
Papke, Robertson T	NASA/National Aeronautics and Space Administration	Characterizing the Molecular Mechanisms and the Limits of Archaeal Gene Transfer Using Haloferax Volcanii as a Model Genetic System	10/20/2017	989,455
Papke, Robertson T	NSF/BIO/Directorate for Biological Sciences/College of the Holy Cross	RUI: Conditional Protein Splicing in Inteins from Extremophiles: An Integrated Teaching and Research Program	11/10/2017	83,548
Robinson, Victoria L	Connecticut Innovations/Yale University	To Determine Potential Resistance Pathways and Start Small Molecule Assay Development/Inhibitor Screening	11/20/2017	10,000
Zweifach, Adam	DHHS/NIH/National Institutes of Health	Developing Chemical Probes to Study the Relationship Between Glycolysis and Cancer Cell Proliferation	10/25/2017	160,250
<b>Philosophy</b>			<b>1 Proposals</b>	<b>\$5,000</b>
Krimerman, Leonard L	Campus Compact	Speaking Truth to Power: Developing Community Centered, Democratic Pedagogy in an Era of Division	10/12/2017	5,000
<b>Physics</b>			<b>11 Proposals</b>	<b>\$3,342,492</b>
Battersby, Cara	NSF/MPS/Directorate for Mathematical and Physical Sciences	3-D CMZ: Unveiling the Structure of our Galaxy's Central Molecular Zone	11/15/2017	422,305
Cote, Robin J	NSF/MPS/Directorate for Mathematical and Physical Sciences	Rydberg Electrons as a Probe for Ultracold Systems	10/25/2017	409,233
Cote, Robin J	NSF/National Science Foundation	Light Induced Conical Intersections (LICs) and Ultrafast Dynamics in Dressed Molecular States	10/02/2017	445,812
Jones, Richard T	NSF/MPS/Directorate for Mathematical and Physical Sciences	Research and Education with GlueX	11/08/2017	401,010
Joo, Kyungseon	DOE/Brookhaven National Laboratory	EIC Background Studies and the Impact on the IR and Detector Design	11/16/2017	34,999
McCarron, Daniel	NSF/National Science Foundation	Laser Cooling and Trapping a New and Improved Class of Molecule	10/25/2017	399,960
Schweitzer, Peter	NSF/MPS/Directorate for Mathematical and Physical Sciences	3D Parton Structure of the Nucleon	11/08/2017	362,555
Smith, Winthrop W	NSF/MPS/Directorate for Mathematical and Physical Sciences	Reactions and Cooling of Hybrid-Trapped Ions Using Ultracold Atoms	10/31/2017	24,496
Sochnikov, Ilya	NSF/MPS/Directorate for Mathematical and Physical Sciences	NSF-BSF: Investigating Quantum Criticality and Pairing in Supraconducting SrTiO3 with Mechanical Strain	11/01/2017	450,000
Tease, Katherine E	NASA/National Aeronautics and Space Administration/University of Hartford	Simulating the Detectability of Tidal Features in the Distant Universe	11/17/2017	5,000
Trump, Jonathan R	NSF/MPS/Directorate for Mathematical and Physical Sciences	Ultraviolet Echoes of Quasar Accretion Disks	11/15/2017	387,122
<b>Physiology and Neurobiology</b>			<b>12 Proposals</b>	<b>\$9,348,309</b>
Chen, Xinnian	NSF/National Science Foundation	Collaborative Research: Maximize inclusivity: Building trust in an active learning classroom	12/12/2017	199,993
Loturco, Joseph J	DHHS/NIH/National Institutes of Health	Developmental Pathophysiology in Neocortex Caused By Somatic Mutations	12/14/2017	2,008,750
Loturco, Joseph J	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Center for Pediatric Ependymoma Research (CPER)	11/03/2017	1,607,000

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Loturco, Joseph J	DHHS/NIH/National Institutes of Health/Yale University	Non-cell autonomous effect on corticogenesis in mTOR disorders	12/11/2017	27,580
Mulkey, Daniel K	DHHS/NIH/National Institutes of Health	CO2/H+ Vascular Reactivity in the Brainstem is Specialized to Support Respiratory Behavior	12/11/2017	2,873,780
Sun, Jianjun	DHHS/NIH/National Institutes of Health	The molecular mechanisms of NR5A nuclear receptors in follicle development and ovulation	12/08/2017	88,088
Tran, Melanie	American Association for the Study of Liver Diseases	Central Role of Serpina3n in Mediating Drug-Induced Liver Injury	11/30/2017	50,000
Walikonis, Randall S	United States-Israel Binational Science Foundation (BSF)	Collaborative Research: Precision Medicine to Treat IQSEC2 Associated Intellectual Disability, Autism, and Epilepsy	11/03/2017	57,500
Wang, Li	American Heart Association	Regulation of MicroRNA on Lipid and Glucose Homeostasis in Fatty Liver Disease	11/02/2017	114,368
Wang, Li	American Liver Foundation	miR-21/DUSP16/P38 Axis in Alcoholic liver disease	12/14/2017	12,500
Yang, Zhihong	American Association for the Study of Liver Diseases	Mechanistic Action of LncRNA H19 as a Novel Regulator of Alcoholic Fatty Liver	11/20/2017	300,000
Yang, Zhihong	DHHS/NIH/National Institutes of Health	Long Non-Coding RNA as Novel Regulator of Alcoholic Liver Injury and Hepatic Lipid Homeostasis	10/05/2017	2,008,750
<b>Political Science</b>			<b>1 Proposals</b>	<b>\$34,422</b>
Gordon, Jane	NEH/National Endowment for the Humanities	Translating and Preparing an English-Language Edition of Nathalie Etoke's Melancholia Africana	12/06/2017	34,422
<b>Psychological Sciences</b>			<b>12 Proposals</b>	<b>\$7,959,762</b>
Astur, Robert	DHHS/NIH/National Institute on Drug Abuse	The Effects of Nicotine on Learned Fear in Humans Using Virtual Reality	11/16/2017	160,251
Barnes-Farrell, Janet L	DOT/Federal Railroad Administration (FRA)	Short Line Railroad Safety Institute Assessment Tools and Program Development	10/11/2017	100,000
Burke, Jeffrey D	DHHS/NIH/National Institutes of Health	Testing A Cognitive Model of Chronic Irritability via Simultaneous EEG and fMRI	10/16/2017	440,249
Coppola, Marie	DHHS/NIH/National Institutes of Health/University of Chicago	From Spontaneous Sign Systems to Sign Language	11/20/2017	157,152
Eigsti, Inge-Marie	DHHS/NIH/National Institutes of Health	Optimal Outcomes in ASD: Adult Functioning, Predictors, and Mechanisms	10/05/2017	3,867,116
Fitch, Roslyn H	Angelman Syndrome Foundation	Regional and Temporal Ube3a Effects on Language-Related Processing in a Mouse AS Model	10/13/2017	194,108
Fitch, Roslyn H	DHHS/NIH/National Institute of Child Health and Human Development	Early Markers and Prediction of IDD-Related Outcomes in a Neonatal HI Model	11/06/2017	1,962,420
Hancock, Roeland	Spencer Foundation	Dynamic Modelling and Validation of Digital Cognitive Assessment Games	11/01/2017	49,366
Johnson, Blair T	DHHS/NIH/National Institutes of Health	Mindfulness Interventions for Substance Abuse Disorders: Modeling Intervention Mechanisms via Meta Analysis	12/05/2017	440,500
Markus, Etan J	United States-Israel Binational Science Foundation (BSF)	How the Social Environment is Represented in the Hippocampus along with the Physical Environment	11/21/2017	115,000
Park, Crystal	American Heart Association	Effects of Psychological Trauma and Cognitive Appraisals on Cardiovascular Reactivity	11/01/2017	53,688
Stevenson, Ian	NSF/National Science Foundation	RI: Small: Adaptive Decoding of Noisy, Non-Stationary Neural Spiking Activity	11/15/2017	419,912
<b>Speech, Language and Hearing Sciences</b>			<b>2 Proposals</b>	<b>\$2,088,087</b>
Coelho, Carl A	DOD/Department of Defense	Assessment of Discourse following TBI	12/27/2017	1,999,999

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Skoe, Erika	DHHS/NIH/National Institutes of Health	Auditory Processing Skills in Children with Specific Language Impairment: Is the Problem Actually Auditory?	12/08/2017	88,088
<b>Statistics</b>			<b>10 Proposals</b>	<b>\$4,367,183</b>
Chen, Ming-Hui	Amgen/University of North Carolina, Chapel Hill	Statistical Methods for Meta-Analysis	12/20/2017	56,658
Chen, Ming-Hui	DHHS/NIH/National Institute on Aging/University of North Carolina, Chapel Hill	Statistical Methods for Cancer Clinical Trials	12/20/2017	
Dey, Dipak K	NSF/National Science Foundation	Collaborative Research: Bayesian Multivariate Analysis of Heterogeneous, Sparse and Low-Rank Data Integration	11/06/2017	307,331
Harel, Ofer	NSF/National Science Foundation	Collaborative Research: Statistical Analysis of Partially Observed Shapes in 2 Dimesions	11/07/2017	405,625
Harel, Ofer	NSF/National Science Foundation	NSF-BSF: III: Small: Information Criteria and Irregular Data-Sets	11/15/2017	412,848
Wang, Haiying	NSF/National Science Foundation	Collaborative Research: Information-Based Subdata Selection Inspired by Optimal Designs of Experiments	11/07/2017	173,054
Wang, Haiying	NSF/National Science Foundation	Collaborative Research: Statistical Inference for Big Data and Rare Events Data via Optimal Subsampling	11/07/2017	193,054
Yan, Jun	DHHS/NIH/National Institute of Dental and Craniofacial Research	NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Method	10/16/2017	330,665
Yan, Jun	NSF/National Science Foundation	Collaborative Research: Statistical inference and computing for discretely observed diffusion governed by a Markov renewal process in animal movement modeling	12/08/2017	479,198
Zhang, Yuping	DHHS/NIH/National Institute of General Medical Sciences	Statistical Methods for Genomics Data Integration	10/03/2017	2,008,750
<b>NEAG School of Education</b>			<b>15 Proposals</b>	<b>\$9,200,728</b>
<b>Curriculum and Instruction</b>			<b>6 Proposals</b>	<b>\$7,412,688</b>
Back, Michele	Spencer Foundation	Spanish Language Support Across the Curriculum: Fostering Latinx Academic Achievement and Engagement through Translanguaging	10/31/2017	50,000
Campbell, David	NSF/EHR/Directorate for Education and Human Resources	Collaborative Research: A Model-Based Inquiry (MBI) Planning Tool with Embedded Instructional Heuristics to Support Implementation of the Next Generation Science Standards	11/10/2017	164,279
Casa, Tutita M	NSF/National Science Foundation	Project M-Write, Mathematical Writing Resource: Innovating Teachers' Educational Experiences	11/14/2017	2,999,979
Settlage, John	NSF/National Science Foundation	Systems Thinking for Science Excellence and Equity	11/14/2017	2,999,536
Staples, Megan	NSF/National Science Foundation	Knowledge Advancement and Program Capacity: Strengthening Secondary STEM Educator Learning	11/14/2017	449,150
Wilson, Suzanne	NSF/National Science Foundation/Rutgers University	Teacher Professional Development for Embedding Computational Thinking in Mathematics and Science High School Classes	10/31/2017	749,744
<b>Educational Leadership</b>			<b>5 Proposals</b>	<b>\$116,000</b>
Castillo-Montoya, Milagros	NASA/National Aeronautics and Space Administration/University of Hartford	College Instructors Learning to Teach Subject Matter to Socially Diverse Students	11/30/2017	4,000
Castillo-Montoya, Milagros	Spencer Foundation	College Instructors Learning to Teach Subject Matter to Socially Diverse Students	11/02/2017	70,000
Cooper, Joseph N	American Athletic Conference	Are White Coaches Fulfilling the Culture Needs of Black Athletes?: A Study of Intercultural Communication in the American Athletic Conference	10/12/2017	7,000

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Evanovich, Justin M	National Collegiate Athletic Association	Service Learning Outcomes for UConn Student-Athletes	11/30/2017	25,000
McGarry, Jennifer E	American Athletic Conference	Student-Athletes and Service Learning Outcomes	12/15/2017	10,000
<b>Educational Psychology</b>			<b>4 Proposals</b>	<b>\$1,672,040</b>
Challenger, Clewiston	American Athletic Conference	College Adjustment and Institutional Attachment: It's Impact on Academic Motivation Among College Students Athletics	12/14/2017	10,000
Coyne, Michael D	ED/Institute of Education Sciences	MTSS Research Network - Network Lead	10/26/2017	1,499,572
Kearns, Devin	DHHS/NIH/National Institute of Child Health and Human Development/Haskins Laboratories	Computer-Aided and Reading Intervention using Neuroimaging of Growth (CARING)	10/16/2017	144,305
Kearns, Devin	ED/Department of Education/University of Maryland, College Park	Improving Content Area Literacy Instruction in Middle Schools (Project CALI)	12/05/2017	18,163
<b>School of Business</b>			<b>4 Proposals</b>	<b>\$495,815</b>
<b>CT Small Business Development Center</b>			<b>1 Proposals</b>	
Carter, Emily	SBA/Small Business Administration	Connecticut Small Business Development Center	11/02/2017	
<b>Finance</b>			<b>1 Proposals</b>	<b>\$17,250</b>
Carstensen, Fred V	Dovetail SIP	Southwest Connecticut Collective Impact	12/12/2017	17,250
<b>Marketing</b>			<b>1 Proposals</b>	<b>\$418,565</b>
Kivenzor, Gregory	NSF/National Science Foundation	IGE: Transformative Role of Gamification in Graduate STEM Education	10/25/2017	418,565
<b>Operations &amp; Info Management</b>			<b>1 Proposals</b>	<b>\$60,000</b>
Etudo, Ugochukwu O	DOC/Bureau of the Census/Newlight Technologies	Text & Data Analytics for Census Operations	12/26/2017	60,000
<b>School of Engineering</b>			<b>124 Proposals</b>	<b>\$39,059,527</b>
<b>Biomedical Engineering</b>			<b>10 Proposals</b>	<b>\$7,347,434</b>
Chon, Ki H	Leidos	Effect of Wakefulness on Auditory Cued Visual Search	12/15/2017	66,282
Emadi, Sharareh	DHHS/NIH/National Institutes of Health	A Self-Adjuvanted Universal Influenza Nanovaccine	10/05/2017	3,262,728
Feng, Bin	DHHS/NIH/National Institutes of Health	Targeting Lumbosacral DRG to Manage Visceral Pain in IBS	10/05/2017	1,944,223
Hoshino, Kazunori	DHHS/NIH/National Institutes of Health/Yale University	Smart Flow Sensor for a Cerebral Shunt	10/11/2017	279,113
Hoshino, Kazunori	NSF/National Science Foundation	Micro/Mesoscale Elastography Based on Real-Time 3D Tomography and Cantilever Force Sensing	11/01/2017	369,566
Santaniello, Sabato	DHHS/NIH/National Institutes of Health	Computational Models for the Investigation of Complex Neuronal Circuits in Information Encoding	12/15/2017	601,875
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institute of Dental and Craniofacial Research/University of Connecticut Health Center	Role of PTH on the Chondrogenic Lineage in Mandibular Condylar Cartilage	11/07/2017	14,146
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Progenitor Responses in Temporomandibular Joint Cartilage Regeneration	10/04/2017	274,555
Vanden Berg-Foels, Wendy	DOD/Department of Defense/University of Connecticut Health Center	Articular Cartilage Regeneration via Resident Chondroprogenitor: Mechanisms and Utility for Healing Articular Cartilage Defects in Post-Traumatic Osteoarthritis	10/10/2017	214,883
Zheng, Guoan	NSF/National Science Foundation	Fourier Ptychographic Integral Imaging for Reference-Free Aperture Synthesis and Single-Shot 3D Imaging	11/01/2017	320,063
<b>Center for Clean Energy Engineering</b>			<b>21 Proposals</b>	<b>\$6,235,743</b>

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bazzi, Ali	DOE/Office of Energy Efficiency and Renewable Energy	Reliable, Intelligent, and Efficient Power Electronic PV Inverters (RIPE PV Inverters)	10/12/2017	590,827
Bazzi, Ali	DRS Technologies	Digital Active EMI Filter for DC/AC Three-Phase Inverters	12/20/2017	98,923
Bazzi, Ali	NSF/National Science Foundation	IGE: Multidisciplinary Cohort-Thesis in Energy Systems: A Pilot Program	10/25/2017	497,539
Biyikli, Necmi	NSF/MPS/Directorate for Mathematical and Physical Sciences	Atomic Layer Deposition of Pristine and Doped Phase-Change Chalcogenide Alloys	11/01/2017	499,966
Cho, Yongku P	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	High Efficiency and Stringency Ex Vivo Gene Therapy in the Central Nervous System	10/16/2017	642,125
Han, Martin	University of Southern California	Electrically-Tunable Focused Ultrasound for Transcranial Neural Stimulation	10/09/2017	741,185
Lei, Yu	NSF/National Science Foundation	Collaborative Research: A Low-Cost, "Digital" Biosensing Platform with Single Protein Biomarker Sensitivity	11/01/2017	250,000
Maric, Radenka	Cabot Corporation	Fundamental Study of Catholde Material in the Lithium-Ion Battery	12/18/2017	50,000
Maric, Radenka	Proton OnSite	Novell Electrode Development for Electrolizer	12/21/2017	16,306
Pasaogullari, Ugur	DOE/Department of Energy/T2M	Membranes for Electrochemical Compressors	12/01/2017	19,976
Pettes, Michael T	NSF/National Science Foundation	Collaborative Research: A New Route to Non-Diffusive Thermal Transport Realized through Persistent Micelle Templating	10/20/2017	225,000
Pettes, Michael T	NSF/National Science Foundation	Electronic Transport in Thermodynamically Stable and Unstable Two-Dimensional Materials at Far from Mechanical Equilibrium Conditions	11/01/2017	325,000
Pettes, Michael T	NSF/National Science Foundation	Emergent Single Photon Phenomena in Layered Materials	10/27/2017	325,000
Pettes, Michael T	NSF/National Science Foundation	I-Corps: Direct Characterization of Electrothermal Properties of Roll-to-Roll-Manufactured Materials	11/06/2017	50,000
Singh, Prabhakar	DOE/Department of Energy/UES	Phase 2: Low Cost High Entropy Alloy (HEA) Anode for Distributed Reforming and Prevention of Carbon Deposition in SOFC	12/29/2017	450,000
Srivastava, Ranjan	DOE/Department of Energy/Sustainable Innovations	Bioelectrochemical Platform for Chemical Production	12/01/2017	40,000
Srivastava, Ranjan	NSF/BIO/Directorate for Biological Sciences	Collaborative Research: Dynamic Modeling of a Eukaryotic Signal-Transduction Network Using Multi-omic Data	11/20/2017	518,045
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	Low-cost Catalyst from Waste Coal Ash for Non-oxidative Conversion of Stranded Natural Gas to Commodity Chemicals	12/01/2017	38,000
Valla, Ioulia	NSF/National Science Foundation	Biochars Derived from Food Waste for Sustainable and Clean Urban Agriculture	10/20/2017	299,995
Valla, Ioulia	NSF/National Science Foundation	Collaborative Research: Novel Multistep Catalytic Systems for the Controllable Transformation of Lignocellulosic Biomass to Aviation Fuels	10/31/2017	186,529
Willis, Brian G	NSF/National Science Foundation	Fast Spatial Aid for Complex Optical Film Stacks	11/01/2017	371,327
<b>Chemical and Biomolecular Engineering</b>			<b>8 Proposals</b>	<b>\$1,846,643</b>
Bollas, Georgios	NSF/National Science Foundation	IUCRC: Planning University of Connecticut: Center for Networked Embedded, Smart and Trusted Things NESTT	12/20/2017	14,999
Bollas, Georgios	NSF/National Science Foundation	Systems and Processes for the Chemical and Thermal Utilization of Stranded Natural Gas	10/20/2017	343,909
Bollas, Georgios	United Technologies Research Center	Development and Demonstration of Tools and Methods for Linked Data Infrastructure for Smart Manufacturing	12/15/2017	164,993
Ma, Wing Kui Anson	NSF/National Science Foundation	IUCRC Pre-Proposal Phase I University of Connecticut: Center for Science of Heterogeneous Additive Printing of 3D Materials (SHAP3D)	10/18/2017	

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Ma, Wing Kui Anson	NSF/National Science Foundation	Phase I IUCRC: University of Connecticut: Venter for Science of Heterogeneous Additive Printing of 3D Materials (SHAP3D)	12/20/2017	750,000
Ma, Wing Kui Anson	Nextflex	Printed Passives for FHE including Materials, Tools and Process Documentation	12/12/2017	150,000
Pascal, Jennifer A	NSF/EHR/Directorate for Education and Human Resources/Northeastern University	Drawn to STEM: Advancing STEM Interest and Learning Through Comics	11/06/2017	398,653
Pascal, Jennifer A	NSF/National Science Foundation/Washington State University	IUSE:EHR: EDUC-ATE: Education Diverse Undergraduate Communities - Affordable Transport Equipment	12/08/2017	24,089
<b>Civil and Environmental Engineering</b>			<b>9 Proposals</b>	<b>\$1,620,869</b>
Astitha, Marina	NSF/National Science Foundation	Integrating Multi-Media Environmental Datasets (Modeling Systems, In-Situ and Satellite Measurements) towards Freshwater Quality Assessment and Prediction	10/20/2017	329,694
Chrysochoou, Maria	CT Department of Economic and Community Development	The Connecticut Brownfields Initiative	12/08/2017	50,000
Chrysochoou, Maria	NSF/National Science Foundation	Collaborative Research: Scalable Surface Complexation Models for Contaminant Fate and Transport	10/20/2017	303,498
Kim, Jeongho	NSF/EHR/Directorate for Education and Human Resources/University of the Pacific	Increasing Student's Simulation and Modeling Skills with FE Models	10/13/2017	36,722
Nikolopoulos, Efthymios I	DOD/Department of Defense	Non-Stationarity and Its Impact on Frequency Analysis of Sub-Daily Precipitation Extremes in the United States	10/19/2017	200,000
Shen, Xinyi	DOI/United States Geological Survey	A SAR-Driven Near-Real-Time Inundation Mapping System: Development & Evaluation over Connecticut	11/03/2017	60,000
Zhang, Wei	DOC/NOAA/National Oceanic and Atmospheric Administration	A Multi-Objective Optimization and Decision Making Tool to Build Weather-Ready Coastal Communities	10/02/2017	549,791
Zhu, Jin	Construction Industry Institute	PUI-01 - Identifying and Evaluating the Impacts of Regulations throughout the Project Lifecycle	10/25/2017	26,879
Zhu, Jin	DHHS/NIH/National Institutes of Health/Florida International University	Protecting Medically Vulnerable Minority Populations in Times of Disasters: Cases of Hurricanes Harvey and Irma	10/13/2017	64,285
<b>Computer Science and Engineering</b>			<b>16 Proposals</b>	<b>\$5,749,114</b>
Fuller, Benjamin	NSF/National Science Foundation	SaTC: Small: Next-Generation Secure Outsourced Databases	11/15/2017	232,313
Fuller, Benjamin	ODNI/IARPA/Intelligence Advanced Research Projects Activity/Stealth Software	The PANTHEON Secure Computation System	11/28/2017	236,984
Han, Song	NSF/CISE/Directorate for Computer and Information Science and Engineering	CRI Pre-Proposal: II-New: A Hybrid Software-Defined Real-Time Sensing and Control Network Testbed for Performance-Critical Cyber-Physical Applications	11/01/2017	
Han, Song	NSF/CISE/Directorate for Computer and Information Science and Engineering	NeTS: Medium: Collaborative: Achieving Control Certainty in Uncertain Environments: Holistic Approach to Dynamic Network Resource Management	11/15/2017	499,776
Han, Song	NSF/National Science Foundation	SaTC: Core: Small: Collaborative: A Communication Framework with Verifiable Authenticity and Integrity for Resource-Constrained Industrial IoT Networks	11/15/2017	249,896
Khan, Mohammad M	NSF/National Science Foundation	SaTC: EDU: Emotion and Efficacy of Gamification: Application to Altering Risky Cyber Behavior	12/13/2017	299,648
Krawec, Walter O	NSF/National Science Foundation	CIF: Small: Secure Quantum Communication with Limited Resources	11/07/2017	331,620
Krawec, Walter O	NSF/National Science Foundation	SaTC: CORE: Small: Verification and Automatic Generation of Secure Quantum Cryptographic Protocols	11/10/2017	331,620
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/Roswell Park Cancer Institute	Immunotherapy against Specific Products of Abnormal Splicing Events Induced by Chemotherapy	11/16/2017	476,911

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Mandoiu, Ion I	DOD/Department of Defense/University of Connecticut Health Center	Immunotherapy of Metastatic Breast Cancer Using Shared Chemotherapy-induced Neopeptides	11/30/2017	99,199
Michel, Laurent D	Comcast Corporation	CSI Selected Projects 2018	12/15/2017	299,992
Nabavi, Sheida	NSF/National Science Foundation	Sparse Representation for Detecting Genomic Structural Variations	11/15/2017	450,658
Peters, Thomas J	DHHS/NIH/National Institutes of Health	Modeling the Neurodevelopmental Impact of Hydrocephalus	11/16/2017	440,500
Russell, Alexander	NSF/National Science Foundation	SaTC: CORE: Medium: Collaborative: Theory and Practice of Cryptosystems Secure Against Subversion	10/10/2017	300,000
Shvartsman, Alexander A	NSF/National Science Foundation	AF: Medium: Distributed Middleware with Rigorous Semantics and Security Guarantees for Stabilizing, Robust Data-Consistent Applications	11/15/2017	1,200,000
Wang, Bing	NSF/National Science Foundation	NeTS: Small: Collaborative Research: Enabling Emerging Video Streaming Applications in Challenging Wireless Networks	11/15/2017	299,997
<b>Connecticut Transportation Institute</b>			<b>7 Proposals</b>	<b>\$1,292,565</b>
Christenson, Richard	NSF/National Science Foundation	Collaborative Research: Improving Understanding of Earthquake Engineering and Seismic Protective Systems through Mobile Informal Learning	11/06/2017	871,634
Esmaili Zaghi, Arash	CT Department of Transportation	Adaptation of 3D Scanning Technology for High Precision Bridge Inspection	12/08/2017	248,691
Garrick, Norman W	DOT/Federal Highway Administration (FHA)	Dwight David Eisenhower Transportation Fellowship Program Graduate Fellowship - Lorenzo Varone	12/20/2017	11,500
Garrick, Norman W	DOT/Federal Highway Administration (FHA)	Dwight David Eisenhower Transportation Fellowship Program Graduate Fellowship - Vanessa Kello	12/20/2017	5,000
Jackson, Eric D	/CT Department of Transportation	Training Opportunity for CT Law Enforcement in the Investigation of Fatal/Serious Commercial and Heavy Vehicle Crashes	10/19/2017	72,120
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	Training Opportunity for CT Law Enforcement in the Investigation of Fatal/Serious Commercial and Heavy Vehicle Crashes	10/19/2017	72,120
Konduri, Karthik	DOT/Federal Highway Administration (FHA)	2017 Dwight David Eisenhower Transportation Fellowship Program - Raymond Gerte	12/19/2017	11,500
<b>Electrical and Computer Engineering</b>			<b>14 Proposals</b>	<b>\$4,330,669</b>
Bar-Shalom, Yaakov M	DOD/Air Force Research Laboratory/Matrix Research	Highly-Maneuvering Obscured Target Extraction with OTHR	11/03/2017	550,001
Bar-Shalom, Yaakov M	DOD/Navy/Naval Surface Warfare Center	Sensor Fusion for Radar and EO Sensors Indian Head	11/27/2017	450,000
Bar-Shalom, Yaakov M	Ministry of Defense (Israel)	Ground Vehicle Tracking with Imaging Sensors	10/30/2017	100,000
Bragin, Mikhail A	ABB	Efficient Network Constrained Unit Commitment: A Parallelized Surrogate Absolute-Value Lagrangian Relations + Branch-and-Cut Approach	12/29/2017	85,058
Chandy, John A	NSF/National Science Foundation	Risk-Based Approach to Secure Systems Modeling and Design	11/14/2017	299,535
Jain, Faquir C	NSF/National Science Foundation	Cladded Quantum Dot Superlattices to Design and Fabricate Novel Lasing Diodes on Si	11/01/2017	362,862
Javidi, Bahram	Binational Science Foundation	Efficient Inexpensive Optical Cell Identification Method	11/08/2017	114,999
Khan, Omer	NXP Semiconductors Netherlands B.V.	Exploring Performance, Resiliency and Safety Tradeoffs for ADAS Applications on Quarc	12/18/2017	50,000
Luh, Peter B	NSF/National Science Foundation	A Revolutionary Way to Tackle Challenging MILP Problems in Power Systems through Accelerated Convergence, Formulation Tightening and Asynchronous Optimization	11/01/2017	576,024

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Wang, Lei	NSF/CISE/Directorate for Computer and Information Science and Engineering	SHF: Small: Formal Methods for the Design of Microorganism-Based Energy Harvesting Circuits and Systems	11/14/2017	355,980
Wang, Lei	NSF/National Science Foundation	Compressive Sampling Based Analog Sensor Signal Encoders	11/01/2017	450,538
Wang, Lei	NSF/National Science Foundation	Hardware-Efficient Signal Reconstruction and Processing for Self-Organizing Embedded Systems	11/01/2017	336,855
Wang, Lei	NSF/National Science Foundation	SaTC: CORE: Small: Formal Methods for Analysis of Security Vulnerabilities of Embedded Systems	11/15/2017	437,390
Zhang, Liang	DOC/National Institute of Standards and Technology (NIST)	Transient Analysis - Enabled Real-Time Production Diagnosis, Prognosis, and Control for Smart Manufacturing: Theory and Application	10/23/2017	161,427
<b>Engineering Dean</b>			<b>3 Proposals</b>	<b>\$775,704</b>
Bozorgmanesh, Hadi	Connecticut Innovations	The Third Bridge	10/30/2017	100,000
Wei, Mei	Connecticut Innovations	Connecticut Global Entrepreneurship Network	10/16/2017	638,204
Wei, Mei	Connecticut Innovations/University of New Haven	Developing Entrepreneurial Talent for Connecticut	10/17/2017	37,500
<b>Engineering Diversity Program</b>			<b>2 Proposals</b>	<b>\$10,000</b>
Burkey, Daniel D	NASA/National Aeronautics and Space Administration/University of Hartford	Chitosan Antimicrobial Coatings to Decrease Growth of Bacteria in the International Space Station	12/22/2017	5,000
Burkey, Daniel D	NASA/National Aeronautics and Space Administration/University of Hartford	Three-Dimensional Bioprinting for Life Supporting Ecosystems in Space	11/24/2017	5,000
<b>Eversource Energy Center</b>			<b>6 Proposals</b>	<b>\$1,282,000</b>
Anagnostou, Emmanouil N	Eversource	Predictive Storm & Damage Modeling for Preparedness and Emergency Response Support	10/12/2017	200,000
Anagnostou, Emmanouil N	Schneider Electric	Schneider Outage Modeling Research for US and International Electric Distribution Networks	12/20/2017	100,000
Bagtzoglou, Amvrossios C	Eversource	Evaluation of Grid Resilience Activities with a Total System Performance Assessment Model - Phase 2	11/29/2017	292,000
Parent, Jason R	Eversource	Evaluation of LiDAR and Alternative Technologies for Monitoring Roadside Vegetation and Utility Infrastructure - Phase III	11/27/2017	244,999
Shen, Xinyi	Eversource	Evaluation of Substations Vulnerability of Flooding in Current and Climate Change Scenarios and Development of an Early Warning System - Phase II	11/27/2017	245,000
Zhang, Peng	Eversource	Grid-Side System Enhancements to Integrate Distributed Energy Resources (Phase II)	12/11/2017	200,001
<b>Mechanical Engineering</b>			<b>22 Proposals</b>	<b>\$7,449,216</b>
Bruno, Claudio	DOD/Air Force Research Laboratory	Physic-Based Modeling of Turbulence at High Mach	11/28/2017	359,194
Cao, Chengyu	DOE/National Energy Technology Laboratory/University of Massachusetts, Lowell	TA [B] Distributed Fiber Sensing Systems for 3D Combustion Temperature Field Monitoring in Coal-Fired Boilers using Optically Generated Acoustic Waves	11/09/2017	7,730
Chiu, Wilson K	NSF/National Science Foundation	Rapid Calculation of Open-Cell Metal Foam Three-Dimensional Structure Properties and Their Relationship to Thermal Transport	10/20/2017	299,459
Fan, Tai-Hsi	NSF/National Science Foundation	Prediction of Surface Defects due to Incomplete Fusion of Powders During Selective Laser Melting Process	10/20/2017	322,417
Jordan, Eric H	United Technologies-Pratt & Whitney	Gradient Rig Testing Simulation of CMAS Damage Progression	10/11/2017	18,161
Li, Ying	NSF/National Science Foundation/American Chemical Society	Fundamental Insights into Molecular Selectivity of Synthetic Membranes through Molecular Simulations	10/20/2017	110,000



## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Lykotrafitis, George	DHHS/NIH/National Institutes of Health	Modeling Cell Migration during Cranial Sensory System Development	11/16/2017	442,086
Lykotrafitis, George	DOD/Department of Defense/University of Connecticut Health Center	Multidisciplinary Study of Adverse Events Related to Breast Cancer Chemotherapy Agents in African American Females with Sickle Cell Trait	12/05/2017	560,000
Lykotrafitis, George	NSF/National Science Foundation	Multiphysics of Collective Cell Migration During Cranial Sensory System Development	10/25/2017	292,480
Matheou, Georgios	NASA/National Aeronautics and Space Administration/California Institute of Technology	Ocean Worlds Mission Modeling and Simulation	11/08/2017	253,861
Nguyen, Thanh D	Arthritis National Research Foundation	A Novel Injectable Piezoelectric Hydrogel for Osteoarthritis Treatment	12/27/2017	100,702
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable Intracranial Pressure Sensor Based Solely on Medical Biomaterials	10/04/2017	977,695
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable Piezoelectric Scaffold for Bone Regeneration	10/10/2017	441,776
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Harnessing Cell Adhesion Events for Regenerative Engineering	10/12/2017	78,738
Nguyen, Thanh D	NSF/MPS/Directorate for Mathematical and Physical Sciences	Biodegradable and Biocompatible Piezoelectric Polymer Based on >> Magnetic Nano-Composite	11/01/2017	300,000
Nguyen, Thanh D	NSF/National Science Foundation/University of Connecticut Health Center	EFRI - C3 SoRo: Bionic Regenerative Engineering	10/24/2017	388,879
Sung, Chih-Jen	Coordinating Research Council	Autoignition Study of CRC Diesel Surrogates in a Rapid Compression Machine	10/05/2017	34,913
Sung, Chih-Jen	NSF/National Science Foundation/FGC Plasma Solutions	Plasma Assisted Combustion for Broadening Operability Characteristics of High-Shear Injectors	11/30/2017	127,000
Tasoglu, Savas	American Cancer Society	High-Throughput Image Cytometry: Real-Time Monitoring and Early Detection	10/16/2017	729,000
Tasoglu, Savas	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Automated and Effortless Daily Health Monitoring through Urine	10/16/2017	642,125
Tasoglu, Savas	NSF/National Science Foundation	Droplet-Based 3D Printing of Single-Injection Drug-Delivery Vehicles	10/20/2017	481,500
Tasoglu, Savas	NSF/National Science Foundation	Glioma-on-a-chip: Probing Glioma Cell Invasion and Gliomagenesis on a Multiplexed Chip	10/20/2017	481,500
<b>UTC Institute for Advanced Systems Engineering</b>			<b>6 Proposals</b>	<b>\$1,119,570</b>
Bollas, Georgios	United Technologies Corporation (UTC)	Robust Active Fault Detection and Isolation in Aerospace Applications of Thermal Fluid Systems	11/06/2017	130,914
Dani, Ashwin	United Technologies-Corporate Headquarters	Learning Physics from Machines: Physics-Informed Machine Learning	11/06/2017	143,193
Duggirala, Parasara S	United Technologies-Corporate Headquarters	Testing Based Approaches for Validation and Verification of Cyber-Physical Systems	11/06/2017	64,798
Dutta, Abhishek	United Technologies-Corporate Headquarters	Analysis and Design of Cyber-Secure Systems: Hardware Authentication, Resilient Monitoring and Resilient Control	11/06/2017	444,327
Gupta, Shalabh	United Technologies-Corporate Headquarters	Reconfigurable Aerospace Systems for Reliability and Performance	11/06/2017	126,338
Thompson, Amy	DOE/Office of Energy Efficiency and Renewable Energy/University of New Haven	Bringing Fault Detection and Diagnosis (FDD) Tools into the Mainstream: Retro Commissioning and Continuous Commissioning of HVAC and Refrigeration Systems	10/24/2017	210,000
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$10,000</b>
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$10,000</b>
Perkins, Lisa E	DOTR/Internal Revenue Service	Low Income Tax Payer Clinic	11/07/2017	10,000

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>School of Nursing</b>			<b>12 Proposals</b>	<b>\$14,026,021</b>
<b>School of Nursing</b>			<b>12 Proposals</b>	<b>\$14,026,021</b>
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Targeting ASIC3 to Disrupt Nociceptor Sensitization Following Spinal Cord Injury	11/16/2017	433,579
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health	Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) Regulation of Pain	11/06/2017	2,505,839
Cong, Xiaomei	DHHS/NIH/National Institute of Nursing Research	Center for Optimizing Symptom Management of Multiple Chronic Conditions Using Nursing-Omics Evaluation (COMMUNE)	11/30/2017	2,029,644
Lucas, Ruth F	NSF/National Science Foundation	Effectiveness and Efficiency of Human Milk Transfer: Quantification of Velocity, Flow and Pressure	10/25/2017	851,579
Newlin, Kelley H	DAISY Foundation	Diabetes Self-Management, Psychosocial-Behavioral Factors, and Health Outcomes in Individuals with LADA: A Pilot Study - from LOI	12/20/2017	5,000
Polifroni, Elizabeth C	DHHS/HRSA/Bureau of Health Workforce	UConn Preparing Tomorrow's Nurse Educators: NFLP 2018	11/20/2017	90,025
Starkweather, Angela	DHHS/NIH/National Institutes of Health	Optimizing Chronic Low Back Pain Self-Management with Yoga	12/15/2017	2,456,095
Starkweather, Angela	DHHS/NIH/National Institutes of Health	Pain Sensitivity in Low Back Pain	10/05/2017	1,575,069
Starkweather, Angela	DHHS/NIH/National Institutes of Health/University of Maryland, Baltimore County	Neurophysiological and transcriptomic predictors of chronic low back pain: towards precision pain management (NEAT Study)	12/13/2017	1,206,780
Starkweather, Angela	Eastern Nursing Research Society	Assessing the Management of Pediatric Postoperative Pain with Genetics	12/20/2017	5,000
Young, Erin	DHHS/NIH/National Institute of Nursing Research	Sex-Specific Genetic Determinants of IBS-Related Pain	10/04/2017	2,213,834
Young, Erin	DOD/Department of Defense	Peripheral P2X3 Expression Following Spinal Cord Injury: Potential Biomarkers of Risk for Persistent Bowel Pain and Autonomic Dysreflexia	11/28/2017	653,577
<b>School of Pharmacy</b>			<b>23 Proposals</b>	<b>\$18,701,774</b>
<b>Pharmaceutical Sciences</b>			<b>21 Proposals</b>	<b>\$18,595,950</b>
Aneskievich, Brian J	DOD/Department of Defense	Control Over Pro-Fibrotic Signaling by the Scleroderma-Associated Gene TNIP1	10/18/2017	912,422
Bahal, Raman	Bayer	Site Specific Genome Editing of Hematopoietic Stem Cells for Hemophilia B Gene Therapy	11/30/2017	63,617
Bahal, Raman	Children's Cancer Research Fund	Next Generation Targeting of OncomiRs for Pediatric Cancer Therapy	11/30/2017	100,000
Bahal, Raman	Pablove Foundation	Next Generation Targeting of Oncogenic MicroRNAs using Tiny PNAs for Leukemia Therapy	10/19/2017	50,000
Bahal, Raman	Yale University/Connecticut Innovations	Site Specific Genome Editing of Hematopoietic Stem Cells for Sickle Cell Disease Gene Therapy	10/27/2017	200,000
Balunas, Marcy J	DHHS/NIH/National Institute of General Medical Sciences	Regulation of Bioactive Metabolites in Host-Microbe Symbioses	10/03/2017	2,008,750
Balunas, Marcy J	Hertz (Fannie and John) Foundation	Understanding Host-Symbiont Interactions: Key to Marine Chemical Ecology	10/27/2017	246,642
Burgess, Diane J	DHHS/FDA/Food and Drug Administration	Impact of Polymer Source Variations on Parenteral Microsphere Drug Product Performance	12/11/2017	449,512
Burgess, Diane J	International Association for Dental Research/University of Connecticut Health Center	Development of a novel, long-acting, topical anesthetic product for pain secondary to oral mucositis and other oral ulceration	12/08/2017	24,996
Grant, David F	DHHS/NIH/National Institutes of Health	Compound Structure Identification for Biomedical Metabolomics	10/20/2017	3,279,814
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Discovering the Molecular, Cellular, and Physiological Profiles of Novel CB2 Selective Agonists	10/05/2017	1,898,375

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Wiemer, Andrew	American Cancer Society	Role of BTN3A1 in Phosphoantigen-Induced Cell Lysis	10/10/2017	784,000
Wiemer, Andrew	American Cancer Society	Synthesis of Phosphoantigens for Gamma-Delta T Cell Stimulation	10/06/2017	163,500
Wright, Dennis	DHHS/NIH/National Institutes of Health	Synthesis and Evaluation of Tropolone Derived Compounds for Myeloma Therapy	12/13/2017	2,283,200
Wright, Dennis	DHHS/NIH/National Institutes of Health	Targeting Glycolytic Enzymes as an Antibacterial Strategy	12/15/2017	440,500
Wright, Dennis	DHHS/NIH/National Institutes of Health	Therapeutic Agents Targeting Mycobacterium Tuberculosis	11/09/2017	2,943,348
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Multi-targeting Antifolates for Hematological Malignancies	12/20/2017	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	New Therapeutics to Treat Non-Mycobacterium Tuberculosis Infections	12/20/2017	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Towards Broad Spectrum Antifungal Agents	12/20/2017	100,000
Wright, Dennis	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Role of Viral and Cellular Recombination Proteins in HSV DNA Replication	11/03/2017	438,524
Zhong, Xiaobo	DHHS/NIH/National Institutes of Health	The Role of Long Non-Coding RNAs in the Regulation of Drug Metabolism	11/02/2017	2,008,750
<b>Pharmacy Practice</b>			<b>2 Proposals</b>	<b>\$105,824</b>
Rickles, Nathaniel M	Community Pharmacy Foundation	Enhancing Mental Health Care through Community Pharmacist's Administration of Long-Acting Injectable Antipsychotics (LAIA)	10/19/2017	50,511
Smith, Marie A	Community Pharmacy Foundation	The Development of Community Pharmacist - Primary Care Medication Reconciliation Toolkit for Redesigning Workflows and Communications	10/18/2017	55,313
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$162,219</b>
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$162,219</b>
Libal, Kathryn R	Fahs-Beck Fund for Research and Experimentation	Fahs Beck Doctoral Dissertation Grant	10/27/2017	5,000
Lin, Hsiu-Ju	American Cancer Society/Yale University	Incarceration and Cancer-Related Outcomes	10/10/2017	92,347
Parr, Kathryn E	CT Department of Children and Families/University of Connecticut Health Center	RSVP 2018	11/21/2017	24,872
Rodis, Eleni T	CT Department of Mental Health and Addiction Services	Connecticut's Critical Time Investment Plus	12/22/2017	30,000
Thomas, Rebecca L	Connecticut Coalition Against Domestic Violence	CT Project: Planning for the Participatory Needs Assessment of Human Trafficking Typologies and Response in Connecticut	10/10/2017	10,000
<b>Academic and Service Programs</b>			<b>1 Proposals</b>	<b>\$28,872</b>
<b>Global Affairs</b>			<b>1 Proposals</b>	<b>\$28,872</b>
Vernal-Wright, Fiona	Department of Higher Education and Training Republic of South Africa/University of Fort Hare	Visiting Scholars from South Africa	12/14/2017	28,872
<b>Vice President for Research</b>			<b>61 Proposals</b>	<b>\$33,089,229</b>
<b>Center for Environmental Sciences and Engineering</b>			<b>5 Proposals</b>	<b>\$146,106</b>
Lawrence, Beth A	DOI/United States Geological Survey	Quantifying Road Salt Impacts on Forested Wetland Structure and Function in Eastern Connecticut	11/03/2017	25,791
Perkins, Christopher R	DOI/United States Geological Survey	A Quantitative Assessment of the Spatiotemporal Dynamics of Cyanobacteria and Cyanotoxins in Connecticut Lakes and Freshwater Beaches	11/03/2017	50,000

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Robbins, Gary A	DOI/United States Geological Survey	Use of Bacteria DNA Sequencing as a Novel Approach for Deciphering Groundwater Flow Conditions in Fractured Crystalline Bedrock	11/03/2017	27,624
Roy, Denis	Nunatsiavut Government (Canada)/University of Windsor	Developing Greenland Halibut Genomic Resources toward Long Term Monitoring, Sustainability and World-Wide Biocomplexity	11/09/2017	34,691
Vadas, Timothy M	DOI/United States Geological Survey	Fe-OM Coprecipitation and its Effects on Bioavailability of Cu and OM to Denitrifiers	11/03/2017	8,000
<b>Institute for Collaboration on Health, Intervention and Policy</b>			<b>21 Proposals</b>	<b>\$16,519,010</b>
Butler, Lisa M	DHHS/NIH/National Institutes of Health	A Household Food-Security Intervention to Improve Maternal-Child Nutrition and Psychosocial Outcomes Among HIV-Exposed and HIV-Unexposed Infants and their Mothers in Uganda	10/10/2017	693,820
Chen, Chi-Ming	DOD/Department of Defense/Drexel University	Video-Enhanced Screening for ASD	10/10/2017	117,882
Eaton, Lisa A	DHHS/NIH/National Institutes of Health/University of California, San Diego	Analyzing Existing Behavioral Interventions to Reduce HIV Risk	12/14/2017	359,757
Gans-DeLuca, Kim M	DHHS/NIH/National Heart, Lung, and Blood Institute/University of Rhode Island	A Home-Based Video and Motivational Interviewing Intervention to Improve Preschoolers Diet Quality and Parental Food Parenting Practices	11/02/2017	206,285
Gibbons, Frederick	DHHS/NIH/National Institutes of Health	Contextual and Health Behavior Effects on Epigenetic Aging Among African Americans	11/15/2017	3,898,043
Gibbons, Frederick	DHHS/NIH/National Institutes of Health/University of Iowa	Contextual Risk and Protective Factors in Cardiovascular Disease: Mediation through Health Behavior and Proximal Biology	10/04/2017	382,055
Glenney, Susan S	Patient-Centered Outcomes Research Institute (PCORI)/University of Connecticut Health Center	3D Team Care for Cognitively Vulnerable Older Adults	11/09/2017	11,200
Gorin, Amy	DHHS/NIH/National Institutes of Health	Is long-term maintenance worth the wait? Using real time data capture to examine delayed discounting as a putative target of physical activity adherence in weight loss maintenance interventions	12/05/2017	440,500
Leahey, Tricia	DHHS/NIH/National Institutes of Health	Using Behavioral Economics Strategies to Address Obesity in Economically disadvantaged Adults	12/18/2017	3,882,063
Lee, Elaine	DHHS/NIH/National Institutes of Health/University of South Florida	Carry-Over Effects of Heat Stress Exposures on Risk of Exertional Heat Illness	10/02/2017	97,002
Lepley, Lindsey	DHHS/NIH/National Institutes of Health/University of Michigan	MiACLR: Michigan Initiative for ACL Rehabilitation	10/09/2017	45,683
McCaffery, Jeanne	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases	Salivary Amylase Gene (AMY1) as a Predictor of Weight and Diet in Look AHEAD and DPP	10/25/2017	132,316
McCaffery, Jeanne	DHHS/NIH/National Institutes of Health	Sleep and Circadian Rhythm in Adolescent Food Choices: The Role of Salivary Amylase	11/29/2017	1,132,633
Nemec, Rebecca	USDA/National Institute of Food and Agriculture/Farm Fresh Rhode Island	Optimizing Local Food Outlets: Marketplace and Customer Analysis Across New England	12/13/2017	314,470
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Rutgers University	Facebook Intervention for Young Onset Melanoma Patients and Families	10/10/2017	532,642
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/Vanderbilt University	Communication and Coping: Addressing Mothers' Needs to Improve Outcomes in Adolescents with T1D	11/01/2017	384,596
Park, Crystal	DHHS/NIH/National Institutes of Health	Innovative Approaches to Substance Use Treatment in College Students	11/16/2017	722,250
Park, Crystal	DHHS/NIH/National Institutes of Health	Machine Learning to Integrate Daily Negative Affect into Health Behavior Theory	10/05/2017	2,730,041
Schwartz, Marlene B	Feeding America	Promoting Foods to Encourage in Feeding America Food Banks	11/03/2017	54,995

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Taylor, Beth M	National Lipid Association	Techniques to Diagnose and Treat Statlin-Associated Muscle Symptoms	12/22/2017	138,670
Watson, Ryan J	DHHS/NIH/National Institutes of Health	LGbQ Youth Substance Use: Subgroup Differences, Risk, and Protective Factors	10/16/2017	242,107
<b>Institute of Materials Science</b>			<b>31 Proposals</b>	<b>\$9,992,801</b>
Adamson, Douglas	NSF/MPS/Directorate for Mathematical and Physical Sciences	ABA Triblock Copolymer Brushes for Mesoscale Assembly	11/01/2017	333,205
Adamson, Douglas	NSF/National Science Foundation	Collaborative Research: Grafting Through Mechanism for Dense and Low Dispersity Surface Initiated Polymer Brushes	10/31/2017	333,205
Adamson, Douglas	Rogers Corporation	Graphene Modified Flame Retardant Foams/Hexagonal Boron Nitride Coated Polymer Films	12/22/2017	48,848
Asandei, Alexandru	American Chemical Society	Transition Metal Catalyzed Interconversion of Pefluoroalkyl Halides	10/19/2017	110,000
Asandei, Alexandru	NSF/National Science Foundation	Architecturally Complex Main Chain Fluoropolymers	10/31/2017	546,344
Burke, Kelly A	DHHS/NIH/National Institute of Biomedical Imaging and Bioengineering	Surgical Adhesion Formation in the Presence of Protein-Based Copolymer Barrier Films	10/16/2017	456,503
Burke, Kelly A	Johnson & Johnson	Investigating Healthy to Disease State Transitions using Programmable Culture Substrates	10/31/2017	150,000
Burke, Kelly A	NSF/MPS/Directorate for Mathematical and Physical Sciences	Collaborative Research: Cellular Responses to Viscoelasticity in Liquid Crystalline Networks	11/01/2017	311,566
Carter, Clive B	NSF/National Science Foundation	GOALI: Mechanisms of Lithiation and Delithiation Reactions in Layered Materials Combining TEM and Atomic Scale Modeling	12/05/2017	441,402
Carter, Clive B	NSF/National Science Foundation	GOALI: Mechanisms of Lithiation and Delithiation Reactions in Layered Materials Combining TEM and Atomic Scale Modeling	10/20/2017	441,402
Chiu, Wilson K	DOE/Office of Science	Three-Dimensional Characterization of Transport and Electrochemical Pathways in Reticulate Microstructures	12/14/2017	454,377
Chiu, Wilson K	NSF/National Science Foundation	The Role of 3-D Anode Microstructure During Long-Term Solid Oxide Fuel Cell Degradation	10/20/2017	299,459
Dormidontova, Elena E	NSF/MPS/Directorate for Mathematical and Physical Sciences	Competitive Hydration in Biocompatible Nanomaterials	12/18/2017	336,872
Gao, Puxian	NSF/National Science Foundation	Collaborative Research: Probing Reactivity and Stability in Nano-Array Supported Single Atom Catalysts	11/01/2017	597,624
Gao, Puxian	NSF/National Science Foundation	Understanding Size and Shape Effects in Nanowire Array Supported Metal Catalysts for Heterogeneous Gas Phase Reactions	10/20/2017	299,999
Gao, Puxian	NSF/National Science Foundation/3D Array Technology	Nano-Array Structured High-Efficiency Diesel Particulate Filter	12/04/2017	75,000
Gao, Puxian	NSF/National Science Foundation/3D Array Technology	Ultralow PGM Loading Nano-array/Wash-coat Hybrid based Low Temperature Diesel Oxidation Catalysts	12/04/2017	112,500
Gao, Puxian	NSF/National Science Foundation/Advanced Manufacturing	Isotropic Metallic Components Fabricated by Additive Manufacturing under Guidance of ICME	12/01/2017	10,000
Gao, Puxian	USDA/National Institute of Food and Agriculture/3D Array Technology	Ultralow Pgm Loading Nano-Array Based Oxidation Catalysts for Agricultural Vehicles and Machinery	10/03/2017	33,332
Hancock, Jason N	NSF/MPS/Directorate for Mathematical and Physical Sciences	Negative Thermal Expansion Near Structural Quantum Phase Transitions	11/01/2017	442,800
He, Jie	NSF/National Science Foundation	Engineering Au-Oxide Interfaces of Mesoporous Au/Tungstate Catalysts for Highly Efficient Plasmon-Enhanced Solar Water Splitting	10/18/2017	461,567

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
He, Jie	NSF/National Science Foundation	Self-Assembly Thermodynamics and Kinetics of Intramolecularly Cross-linked Unimers: Synthesis, Characterization and Computer Modeling	10/31/2017	482,184
Lee, Seok Woo	DOE/Office of Science	Mechanical Properties of Metals at the Micrometer Scale in Different Environments	12/04/2017	367,566
Lin, Yao	NSF/MPS/Directorate for Mathematical and Physical Sciences	Material Properties of Complex Macromolecules Containing Synthetic Polyamino Acids	11/01/2017	367,119
Nakhmanson, Serge M	DOD/DARPA/Defense Advanced Research Projects Agency	Risk Analysis of Thermostructural Performance of Ceramic Composites	12/04/2017	720,208
Nieh, Mu-Ping	NSF/MPS/Directorate for Mathematical and Physical Sciences	Shape-Targeting, Acid-Cleavable Nanoclusters - An Efficacious Delivery Platform for Tumors	11/01/2017	399,564
Sotzing, Gregory A	Gentex	Development of Electrochromic Devices	10/02/2017	16,006
Suib, Steven L	General Electric	GE - Energy	10/30/2017	100,000
Wei, Mei	NSF/National Science Foundation	Engineering Magnetic Nanoworms for Enhanced Drug Delivery and Cancer Treatment: An Integrated in Silico, in Vitro and in Vivo Study	10/13/2017	420,819
Wei, Mei	NSF/National Science Foundation	Integrated Modeling and Experimental Approaches for Design and Fabrication of Novel Bioresorbable Composites for Load-Bearing Bone Fixation Applications	10/16/2017	432,576
Wells, Barrett O	NSF/National Science Foundation	Strained Film Structures with Negative Thermal Expansion Materials	11/01/2017	390,754
<b>Sea Grant College Program</b>			<b>3 Proposals</b>	<b>\$4,962,747</b>
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Connecticut Sea Grant 2018-2022 Omnibus	11/01/2017	4,702,828
Deguisse, Sylvain	EPA/Long Island Sound Office/New York Sea Grant	New York Sea Grant Partial Support for 2017-2019 EPA LISS Research Projects (Lawrence and Whitney)	10/31/2017	259,919
Payne, Diana L	DOC/NOAA/National Oceanic and Atmospheric Administration	Ready, Responsive, Resilient (R3)	12/19/2017	
<b>Vice President for Research</b>			<b>1 Proposals</b>	<b>\$1,468,565</b>
Gallo, Gregory J	Connecticut Innovations	Connecticut Intercollege Partnership for Technology Transfer	12/29/2017	1,468,565
<b>University of Connecticut - Storrs &amp; Regional</b>			<b>412 Proposals</b>	<b>\$179,930,239</b>
<b>School of Dental Medicine</b>			<b>10 Proposals</b>	<b>\$6,391,121</b>
<b>Craniofacial Sciences</b>			<b>2 Proposals</b>	<b>\$5,163,872</b>
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Progenitor Responses in Temporomandibular Joint Cartilage Regeneration	10/05/2017	2,420,123
Yadav, Sumit	DHHS/NIH/National Institutes of Health	Regeneration of the Osteochondral Tissue of the Mandibular Condylar Cartilage via Novel Multi-Zonal Scaffold and ...	10/03/2017	2,743,749
<b>Oral Health and Diagnostic Sciences</b>			<b>4 Proposals</b>	<b>\$640,941</b>
Bermudez Millan, Angela	DHHS/NIH/National Institutes of Health/Yale University	Empowering Pregnant Latinas to Increase Fruit and Vegetable Intake	10/12/2017	68,146
Lalla, Rajesh V	DHHS/NIH/National Institutes of Health/Carolinas Medical Center	Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients	10/30/2017	32,203
Lalla, Rajesh V	DHHS/NIH/National Institutes of Health/Carolinas Medical Center	Clinical Registry of Dental Outcomes in Head and Neck Cancer Patients	11/01/2017	490,592
Lalla, Rajesh V	International Association for Dental Research	Novel Long-Acting Topical Anesthetic Product for Oral Mucositis Pain	12/11/2017	50,000
<b>Reconstructive Sciences</b>			<b>4 Proposals</b>	<b>\$586,308</b>

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bayarsaihan, Dashzeveg	DHHS/NIH/National Institutes of Health	Dynamics of 5hmC acquisition during specification of odontoblast lineage	10/16/2017	438,625
Kalajzic, Ivo	DHHS/NIH/National Institute on Aging/West Virginia University Health Sciences Center	Osteogenesis in miniature pigs treated with I.V Bisphosphonate: Evaluation of early bone healing around titanium	10/24/2017	64,648
Kalajzic, Ivo	DHHS/NIH/National Institutes of Health/University of California, Los Angeles	Pathophysiologic Mechanisms of Bisphosphonate Related Osteonecrosis of the Jaws	10/24/2017	13,034
Kelly, John R	DHHS/NIH/National Institutes of Health/Oral Fluid Dynamics	Artificial Salivary Gland Development	12/29/2017	70,001
<b>School of Medicine</b>			<b>118 Proposals</b>	<b>\$121,685,801</b>
<b>Calhoun Cardiology Center - CCC</b>			<b>7 Proposals</b>	<b>\$12,992,907</b>
Alessi, Stephanie	DHHS/NIH/National Institutes of Health	Combining technologies to treat smokers with opioid use disorder	10/05/2017	3,618,567
Hinson, John Travis	DHHS/NIH/National Heart, Lung, and Blood Institute	Metabolic and Developmental Regulation by AMPK in PRKAG2-associated cardiomyopathy	10/12/2017	177,120
Hinson, John Travis	DHHS/NIH/National Institutes of Health	Comprehensive Analysis of Allelic, Cellular and Molecular Heterogeneity in Human 3-Dimensional Cardiac...	10/05/2017	2,807,953
Liang, Bruce T	DHHS/NIH/National Institute of Nursing Research/University of Connecticut	Center for Optimizing Symptom Management of Multiple Chronic Conditions Using Nursing-Omics Evaluation	11/29/2017	0
Petry, Nancy M	DHHS/NIH/National Institutes of Health	Improving care for opioid use disorder	10/02/2017	3,856,078
Yue, Lixia	DHHS/NIH/National Heart, Lung, and Blood Institute/Mount Sinai School of Medicine	A Shox2-centric Transcriptional Pathway Controls Sinoatrial Node Development and Maturation	10/11/2017	65,090
Yue, Lixia	DHHS/NIH/National Institutes of Health	Calcium signaling mechanisms in cardiac fibrosis	11/06/2017	2,468,099
<b>Cell Analysis Modeling - CCAM</b>			<b>8 Proposals</b>	<b>\$8,285,316</b>
Blinov, Mikhail	DHHS/NIH/National Institutes of Health	New Tools to stimulate the biophysics of multi-molecular clusters	10/05/2017	1,595,000
Carson, John H	DHHS/NIH/National Institutes of Health	Essential Functions for CGG Repeats in FMR1 RNA	10/05/2017	1,993,750
Loew, Leslie M	DHHS/NIH/National Institutes of Health	High sensitivity voltage sensitive dyes for photoacoustic sensing of brain electrical activity	10/17/2017	1,980,186
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Imaging in vivo neurotransmitter modulation of brain network activity on realtim	10/25/2017	20,087
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University	Towards real-time non-invasive imaging of functional network dynamics in human brain	12/07/2017	2,189,775
Loew, Leslie M	DHHS/NIH/National Institutes of Health/Johns Hopkins University School of Medicine	Nerve-Sparing Robot-Assisted Radical Prostatectomy Using Neuromodulation-Based Nerve Localization for Preventing Post-Operative Erectile Dysfunction	11/13/2017	78,103
Yu, Ji	Binational Science Foundation	Using novel optogenetic approach to elucidate the role of EphB2 in synaptic plasticity and memory formation	11/21/2017	92,460
Yu, Ji	DHHS/NIH/National Institutes of Health	Super-resolution imaging based on reversible labeling	11/15/2017	335,955
<b>Cell Biology</b>			<b>3 Proposals</b>	<b>\$4,654,442</b>
Mehlmann, Lisa M	DHHS/NIH/National Institutes of Health	Cytoplasmic Maturation in Mouse Oocytes	10/04/2017	1,993,750
Peluso, John J	DHHS/NIH/National Institutes of Health	Luteal cell expression of Progesterone Receptor Membrane Component-1 and 2 prevents the premature demise	11/01/2017	2,291,547
Terasaki, Mark R	Connecticut Science Fund/Vanguard Charitable Endowment Program	Structural Organization of the Endoplasmic Reticulum	11/29/2017	369,145

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Center for Molecular Medicine</b>			<b>6 Proposals</b>	<b>\$6,097,218</b>
Costa, Jessica	DHHS/NIH/National Institutes of Health	PQ1 Molecular Mechanisms Influencing Disease Penetrance in the Setting of Germline CDC7373 Mutation	10/30/2017	438,625
Delany, Anne M	DHHS/NIH/National Institutes of Health	microRNAs and glucocorticoid signaling in the osteoblast lineage	12/07/2017	2,006,884
Heinen, Christopher D	DHHS/NIH/National Institutes of Health	The selective advantage of mismatch repair loss in colonic system cells	10/27/2017	2,789,007
Rosenberg, Daniel W	DHHS/NIH/National Cancer Institute/Jackson Laboratory	The microbiome of precancerous lesions	10/13/2017	111,650
Rosenberg, Daniel W	DHHS/NIH/National Institutes of Health	Dietary strategies to enhance FOLFOX cancer therapies	10/30/2017	453,725
Rosenberg, Daniel W	Rainin (Kenneth) Foundation	Microbial-epithelial cross-talk modulates UC phenotype via DNA methylation of colon stem cells	10/02/2017	297,327
<b>Center for Quantitative Medicine</b>			<b>4 Proposals</b>	<b>\$7,329,909</b>
Konstorum, Anna	DHHS/NIH/National Institutes of Health	Multiscale modeling of synergistic T cell activation for cancer immunotherapy	11/30/2017	57,066
Laubenbacher, Reinhard C	DHHS/NIH/National Institutes of Health	Multiscale modeling of the battle over iron in invasive lung infection	11/06/2017	3,850,005
Mendes, Pedro J	DHHS/NIH/National Institutes of Health	Understanding and predicting iron physiology at multiple scales - from cells to individuals	11/03/2017	2,960,738
Vera-Licona, Martha Paola	DHHS/NIH/National Institutes of Health	A computational systems biology pipeline to assess the controllability of tissue-resident macrophages under the presence of pathogens	10/16/2017	462,100
<b>Center for Vascular Biology</b>			<b>2 Proposals</b>	<b>\$3,466,182</b>
Caromile, Leslie A	DHHS/NIH/National Cancer Institute	Prostate Specific Membrane Antigen Regulated Pathways in Prostate Cancer	11/30/2017	438,625
Shapiro, Linda H	DHHS/NIH/National Institutes of Health	A Multiscale Modeling Approach to Ischemia/Reperfusion Injury	10/05/2017	3,027,557
<b>Clinical And Translational Science Institute (CTSI)</b>			<b>3 Proposals</b>	<b>\$914,760</b>
Kuo, Chia-Ling	DHHS/NIH/National Institutes of Health	Understanding the role of ApoE2 in longevity and age-related diseases and conditions using 500,000 UK Biobank...	10/16/2017	357,374
Lo, Wai Hong	DHHS/NIH/National Institutes of Health	Harnessing cell adhesion events for regenerative engineering	10/16/2017	453,874
Lo, Wai Hong	DHHS/NIH/National Institutes of Health/University of Connecticut	Biodegradable Piezoelectric Scaffold for Bone Regeneration	10/05/2017	103,512
<b>Community Medicine and Health Care</b>			<b>7 Proposals</b>	<b>\$1,392,675</b>
Durante, Amanda J	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Infectious Disease Epidemiology Services: Public Health Surveillance & Monitoring, Advance Epidemiology	10/23/2017	47,710
Schensul, Stephen L	DHHS/NIH/National Institute on Drug Abuse/Population Council	Tobacco Cessation Amng HIV Positive People on Antiretroviral Therapy (ART) in Urban India	12/20/2017	375,246
Schensul, Stephen L	DHHS/NIH/National Institutes of Health	Alcohol and ART Adherence: Assessment, Intervention and Modeling in India	11/30/2017	614,455
Schensul, Stephen L	DHHS/NIH/National Institutes of Health/University of Connecticut	Identifying Contributing Factors to the Progression of Chronic Kidney Disease of Unknown Etiology in Sri Lanka	10/13/2017	57,688
Stevens, Richard G	DHHS/NIH/National Institutes of Health/Yale University	Study of Health Impact of Fluctuating-work Time (SHIFT): A Molecular Perspective	10/20/2017	178,569
Ungemack, Jane A	CT Department of Children and Families	Recovery Specialist Voluntary Program (RSVP/RCM) Evaluation year 9a (Federal), 9b (State).	11/29/2017	60,000
Ungemack, Jane A	Trinity Health/Saint Francis Hospital and Medical Center	UConn Evaluation of Well Being 360-Transforming Communities Initiative	10/05/2017	59,007



## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Genetics and Developmental Biology</b>			<b>11 Proposals</b>	<b>\$12,607,898</b>
Beck, Christine R	DHHS/NIH/National Institutes of Health	Mechanism of Repetitive Element Mediated Genomic Rearrangements	11/30/2017	747,000
Carmichael, Gordon G	DHHS/NIH/National Institutes of Health	Genomewide mapping of sites of RA 2-0-Methylation in Prader-Willi Syndrome	12/15/2017	235,343
Chamberlain, Stormy J	DHHS/NIH/National Institutes of Health	A novel therapeutic approach for Prader-Willi syndrome	10/05/2017	1,993,750
Chamberlain, Stormy J	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Comprehensive Mapping of Long Range Chromatin Interactions on Humans and Mouse Genomes	11/29/2017	6,932
Cotney, Justin L	DHHS/NIH/National Institutes of Health/Emory University	Identification of chromatin architecture at the RUNZ1 locus that regulates bone formation and mineralization	11/15/2017	82,178
Gunzl, Arthur K	DHHS/NIH/National Institutes of Health/Yale University	RNA Metabolism in Trypanosomes	10/19/2017	133,509
Li, Yuanhao	DHHS/NIH/National Institutes of Health	Molecular Regulation of Lineage Specification of The Mouse Cerebellum	12/15/2017	2,591,528
Mayer, Bruce J	DHHS/NIH/National Institutes of Health	Integrating computational modeling and tyrosine phosphoproteomics in cancer	12/08/2017	2,990,874
Pinter, Stefan F	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Center for Epigenetic Bases of Reproductive Health and Disease	11/20/2017	1,595,000
Rogina, Blanka	DHHS/NIH/National Institutes of Health	Non-Autonomous Control of Aging in Drosophila	10/03/2017	1,993,750
Young, Erin	DOD/Department of Defense/University of Connecticut	Peripheral P2X3 expression following spinal cord injury: Potential biomarkers of risk for persistent bowl pain...	11/02/2017	238,034
<b>Immunology</b>			<b>7 Proposals</b>	<b>\$8,620,689</b>
Adler, Adam J	DHHS/NIH/National Institutes of Health	Breaking Tolerance to Induce Tumor-Specific Cytotoxic CD4 Th1 Cells	11/02/2017	1,993,750
Adler, Adam J	DHHS/NIH/National Institutes of Health	Test if antitumor T cells use a putative super-enhancer in the IL1RL2-IL1RL1 intergenic region to form 'innate-like'...	10/16/2017	438,625
Medvedev, Andrei E	DHHS/NIH/National Institute of Allergy and Infectious Diseases	Long Non-Coding RNA, TLR Tolerance and Sepsis	10/25/2017	239,250
Medvedev, Andrei E	DHHS/NIH/National Institutes of Health	Air pollution particles, deregulation of macrophage responses and infection	11/14/2017	438,625
Medvedev, Andrei E	DHHS/NIH/National Institutes of Health	Mechanisms of Impaired Mycobacteria Sensing by TLR2 and TLR4 Polymorphic Variants	10/30/2017	3,413,014
Vella, Anthony T	DHHS/NIH/National Institutes of Health/CaroGen	Augmenting T-cell Responses of VLV-Based HBV Vaccines with Co-stimulatory Molecules	12/05/2017	103,675
Zhou, Beiyan	DHHS/NIH/National Institutes of Health	The impact of immune cells on adipose MSCs: microRNA regulation	10/03/2017	1,993,750
<b>Medicine</b>			<b>9 Proposals</b>	<b>\$2,402,217</b>
Cavallari, Jennifer M	University of Massachusetts, Lowell	The Association Between Workplace Factors, Lifestyle Behaviors and Work Ability in Working Breast Cancer Survivors	10/17/2017	13,000
Dieckhaus, Kevin D	DHHS/HRSA/Health Resources and Services Administration/City of Hartford, CT	Ryan White Part A Minority AIDS Initiative (MAI) (2 parts/funds Outpt Ambulatory and Tx Adherence)	12/14/2017	283,546
Dieckhaus, Kevin D	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Dissecting molecular mechanisms of Staphylococcus epidermidis genetic heterogeneity in infection	11/03/2017	115,804
Dieckhaus, Kevin D	DOD/Department of Defense/Jackson Laboratory	Systematic identification of novel inhibitors of Staphylococcus epidermidis biofilm formation in wounds and medical devices	10/12/2017	162,238
Gould, Bruce E	DHHS/CMS/Centers for Medicare and Medicaid Services/CT Office of the Healthcare Advocate	State Innovation Models: Round Two of Design and Testing Assistance - CHWs	10/31/2017	721,923

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Ivanaviciene, Jurate	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Subcontract for services pursuant to the provision of the CMHC HIV prevention program in CDOC	12/29/2017	514,273
Prabhakar, Kavita	DHHS/HRSA/Health Resources and Services Administration/City of Hartford, CT	HIV/Hep C Co-Infection Project	10/12/2017	85,483
Radolf, Justin D	DHHS/NIH/National Institutes of Health	Borrelia burgdorferi cligopeptide (Opp) transporter control of cellular homeostasis and growth	10/16/2017	438,625
Root, Tracy M	DHHS/CDC/Centers for Disease Control and Prevention/University of North Carolina, Charlotte	Employing self-Management Practices for Occupational Well-being, Work ability, Self-Efficacy, and Resilience (EMPOWER): A Trial of a Novel Web-based Behavioral Intervention with Telephonic Coaching	10/04/2017	67,325
<b>Molecular Biology &amp; Biophysics</b>			<b>4 Proposals</b>	<b>\$4,283,626</b>
Bezsonova, Irina	DHHS/NIH/National Institutes of Health	Ubiquitin -Proteasome pathway in Cancer	10/03/2017	1,582,505
Bezsonova, Irina	DHHS/NIH/National Institutes of Health/Progenra	Substrate specific USP7 inhibitors for cancer immunotherapy	12/12/2017	37,500
Weller, Sandra K	DHHS/NIH/National Institutes of Health	Genetics of HSV DNA Replication	10/13/2017	641,362
Weller, Sandra K	DHHS/NIH/National Institutes of Health	Role of viral and cellular recombination proteins in HSV DNA replication	11/09/2017	2,022,259
<b>NEAG Cancer Center (SOM)</b>			<b>2 Proposals</b>	<b>\$717,750</b>
Srivastava, Pramod K	DHHS/NIH/National Institutes of Health/Roswell Park Cancer Institute	Immunotherapy against specific products of abnormal splicing events induces by chemotherapy	11/21/2017	239,250
Srivastava, Pramod K	DOD/Department of Defense/Roswell Park Cancer Institute	Immunotherapy Against Specific Products Of Abnormal Splicing Events Induced By Chemotherapy	12/06/2017	478,500
<b>Neuroscience</b>			<b>11 Proposals</b>	<b>\$8,842,726</b>
Antic, Srdjan D	DHHS/NIH/National Institutes of Health	Technologies for multi-cell voltage imaging at single-cell resolution	10/13/2017	2,269,092
Antic, Srdjan D	DHHS/NIH/National Institutes of Health/Imperial College of Science, Technology and Medicine	Near-Infrared Genetically Encoded voltage Indicators (NIR-GEVIs) for All Optical Electrophysiology (AOE)	12/21/2017	295,898
Antic, Srdjan D	DHHS/NIH/National Institutes of Health/State University of New York	Embedded Ensemble Encoding	10/11/2017	168,250
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Targeting ASIC3 to disrupt nociceptor sensitization following spinal cord injury	11/13/2017	242,775
Baumbauer, Kyle M	DHHS/NIH/National Institutes of Health/University of Connecticut	Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) Regulation of Pain	11/02/2017	1,331,133
Bernstein, Leslie	DOD/Navy/Office of Naval Research	Identifying and Measuring Factors Limiting Binaural Auditory Processing in Normal Hearing Listeners and Listeners	10/31/2017	1,576,578
Guzzo, Rosaria	DHHS/NIH/National Institutes of Health	A patient cell-based assay to identify novel compounds for myelin regeneration	10/13/2017	438,625
Guzzo, Rosaria	National Multiple Sclerosis Society	Can PPMS-specific iPSCs interrogate disease-associate defects	10/02/2017	44,000
Ma, Xinming	DHHS/NIH/National Institutes of Health	Exploring the role of RFWD2 in dendritic spines	10/16/2017	438,625
Martinelli, David C	National Multiple Sclerosis Society	The Role of C1QL1 In Oligodendrocyte Matruation	12/21/2017	44,000
Trakhtenberg, Feliks	DHHS/NIH/National Institutes of Health	Epigenetic and transcriptional regulation of axon growth and regeneration in the CNS	10/02/2017	1,993,750
<b>Orthopaedic Surgery</b>			<b>11 Proposals</b>	<b>\$13,172,257</b>
Canalis, Ernesto	DHHS/NIH/National Institutes of Health	The Skeleton of Lateral Menigocele Syndrome	10/26/2017	2,403,429

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Kumbar, Sangamesh G	DOD/Department of Defense	Biodegradable Nanocomposites for Regeneration of Large Segmental Bone Defects	10/17/2017	1,337,380
Laurencin, Cato	DHHS/NIH/National Institutes of Health/Carnegie Mellon University	Osteomimetic graphene as a cell instructive scaffold for bone regeneration	10/06/2017	179,857
Laurencin, Cato	NSF/National Science Foundation	EFRI C3 SoRo: Bioactive Soft-Robotic Bracing for Regenerative Engineering	10/25/2017	2,000,000
Laurencin, Cato	NSF/National Science Foundation	Research Experience and Mentoring Program	11/09/2017	100,000
Mazzocca, Augustus D	Arthrex	Arthrex Fellowships 2017-2018	12/18/2017	156,555
Nukavarapu, Syam P	DHHS/NIH/National Institutes of Health	Biodegradable Scaffold for Osteochondral Tissue Engeneering	12/01/2017	1,993,750
Sanjay, Archana	DHHS/NIH/National Institutes of Health	Role of PI3K Signaling in Fracture Healing	11/06/2017	2,276,772
Sanjay, Archana	DHHS/NIH/National Institutes of Health	Signaling Mechanisms Regulating Osteoclast Function	10/04/2017	2,170,085
Walker, Joseph	DHHS/NIH/National Institutes of Health/University of Connecticut	Optimizing Chronic Low Back Pain Self-Management with Yoga	12/12/2017	115,804
Zanotti, Stefano	DHHS/NIH/National Institutes of Health	Role of Notch in Intervertebral Disc Degeneration	11/15/2017	438,625
<b>Pediatrics</b>			<b>2 Proposals</b>	<b>\$767,487</b>
Rosenkrantz, Ted S	DHHS/NIH/National Institutes of Health/University of Connecticut	Early Markers and Prediction of IDD-Related Outcomes in a neonatal HI Model	10/30/2017	334,950
Sayej, Wael N	DHHS/NIH/National Institutes of Health	Investigating the role of esophageal epithelial cells as non-professional antigen presenting cells in eosinophilic...	10/16/2017	432,537
<b>Psychiatry</b>			<b>11 Proposals</b>	<b>\$19,546,892</b>
Ford, Julian D	DOJ/Department of Justice/Policy Research Associates	Assessing a Trauma-Informed Decision Protocol for Juvenile Justice Practitioners	10/20/2017	22,572
Gelbar, Nicholas	DHHS/NIH/National Institutes of Health/Hospital for Special Care	Curriculum Development and Peer Mentoring to Improve Post-Secondary Outcomes for Student with an Autism ...	10/16/2017	34,709
Ginsburg, Golda S	DHHS/NIH/National Institutes of Health	2/2 Unified Treatment of Adolescent Emotional Disorders in Community Clinics	12/15/2017	398,932
Grasso, Damion J	Avielle Foundation/Connecticut Children's Medical Center	Biobehavioral Threat Reactivity as a Link to Stress-related Symptoms in Young Children Exposed to Family Violence	11/07/2017	26,550
Grasso, Damion J	DHHS/NIH/National Institute of Mental Health	Mapping Multi-Level Aspects of Threat Reactivity in Young Children Exposed to Intimate Partner Violence	11/16/2017	4,013,432
Hesselbrock, Victor	DHHS/NIH/National Institute on Alcohol Abuse and Alcoholism	Etiology and Treatment of Alcohol Dependence	12/05/2017	8,442,748
Laubenbacher, Reinhard C	DHHS/NIH/National Institutes of Health/Hartford Hospital	Neural Architecture of Emotion Regulation, Adolescent Development and Depression	10/30/2017	91,183
Steffens, David C	DHHS/AHRQ/Agency for Healthcare Research and Quality/University of Connecticut	Treatment of Depression in Older Adult	10/10/2017	35,000
Wang, Lihong	DHHS/NIH/National Institutes of Health	Effect of Stress Across the Lifespan on Brain Aging and Cognitive Decline	12/15/2017	3,528,177
Wang, Lihong	DHHS/NIH/National Institutes of Health	Effect of Stress Across the Lifespan on Brain Aging and Cognitive Decline	10/05/2017	2,900,935
Wang, Lihong	DHHS/NIH/National Institutes of Health/University of Connecticut	Testing a Cognitive Model of Chronic Irritability via Simultaneous EEG and fMRI	10/11/2017	52,654
<b>Surgery</b>			<b>4 Proposals</b>	<b>\$2,665,443</b>
Kreutzer, Donald L	Helmsley (Leona M. and Harry B.) Charitable Trust/Cell and Molecular Tissue Engineering	In Vivo Evaluation of Biomatrix Coatings for Glucose Sensors	10/27/2017	100,000

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Kreutzer, Donald L	Helmsley (Leona M. and Harry B.) Charitable Trust/Wayne State University	Understanding Insulin Infusion Induces Tissue Injury and Developing New Therapies/Devices	10/20/2017	499,519
Smith, Phillip P	DHHS/NIH/National Institutes of Health	Non-Autonomous Aging Detrusor as a Response to Urothelial Factors	10/03/2017	2,000,924
Stevenson, Christina E	Komen (Susan G.) Breast Cancer Foundation	Caring Beyond A Mammogram	11/29/2017	65,000
<b>Traumatology and Emergency Medicine</b>			<b>1 Proposals</b>	<b>\$60,000</b>
McKay, Charles	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Agreement Between CT Department of Public Health & UCONN Health-CT Poison Center	12/13/2017	60,000
<b>UConn Center on Aging</b>			<b>5 Proposals</b>	<b>\$2,865,407</b>
Barry, Lisa C	DHHS/NIH/National Institutes of Health/University of California, San Francisco	Precursors of Suicide in Older Adults Transitioning from Prison to Community	10/12/2017	594,710
Haynes, Laura	DHHS/NIH/National Institutes of Health	Does the senescent environment contribute to age-related changes in T cell function?	12/12/2017	438,625
Haynes, Laura	DHHS/NIH/National Institutes of Health	Impact of Aging and Influenza Respiratory Tract Infection on Muscle Health	10/26/2017	446,025
Haynes, Laura	DHHS/NIH/National Institutes of Health/University of Vermont	Sexual dimorphism in the neonatal lung response to influenza infection	10/12/2017	39,781
Robison, Julie T	DHHS/NIH/National Institutes of Health/Jackson Laboratory	Microbiome plasticity & pathogenicity in older adults: baselines & transitions from skilled nursing care	12/13/2017	1,346,266
<b>Other UConn Health</b>			<b>8 Proposals</b>	<b>\$3,292,085</b>
<b>Other UConn Health</b>			<b>8 Proposals</b>	<b>\$3,292,085</b>
Chung, Michael S	DHHS/NIH/National Institutes of Health	Evaluating ZNF274 as a therapeutic target for Prader-Willi Syndrome	12/08/2017	182,122
Goetjen, Alexandra M	DHHS/NIH/National Institutes of Health	GABRA2 genetic variants and chromosome conformation in induced pluripotent stem cell-derived neural cells	12/08/2017	182,122
Inaba, Mayu	DHHS/NIH/National Institutes of Health	Nanotube-mediated regulation of niche-stem cell signaling	10/02/2017	1,993,750
Kwon, Grace J	DHHS/NIH/National Institutes of Health	Investigating the function of a highly expressed lncRNA in airway epithelium	12/08/2017	280,948
Manz, David H	DHHS/NIH/National Institutes of Health	Role of Ferroportin in reducing Prostate Cancer Metastasis	10/31/2017	38,688
Powell, Wizdom A	DHHS/NIH/National Institute on Drug Abuse	Neighborhood, Daily Stress, Affect Regulation, & Black Male Substance Abuse	12/21/2017	24,223
Shuhaibar, Leia	DHHS/NIH/National Institutes of Health	Hormonal Regulation of the NPR2 Guanylyl Cyclase in Bone	10/12/2017	408,111
Wasko, Nicholas J	DHHS/NIH/National Institutes of Health	The Effects of TLR2 Tolerance on Myelin Repair and T Cell Trafficking in Mouse Models of Multiple Sclerosis	12/06/2017	182,121
<b>University of Connecticut Health</b>			<b>136 Proposals</b>	<b>\$131,369,007</b>
<b>Grand Total</b>			<b>548 Proposals</b>	<b>\$311,299,246</b>