



Office of the Vice President for Research

# List of Proposals Submitted FY2018 3rd Quarter

January 1, 2018 – March 31, 2018

Volume 18.3

## 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>54 Proposals</b>	<b>\$17,110,797</b>
<b>Agricultural and Resource Economics</b>			<b>3 Proposals</b>	<b>\$71,683</b>
Fiala, Nathan	Wellspring Advisors	Qualitative Follow-up to Social Accountability and Service Delivery: Experimental Evidence from Uganda	01/16/2018	38,150
Andreyeva, Tatiana	World Health Organization	Fiscal policies and a diet: a scoping review of the literature	02/12/2018	18,641
Andreyeva, Tatiana	American Heart Association	Tiered Tax Revenue Estimation	03/26/2018	14,892
<b>Allied Health Sciences</b>			<b>7 Proposals</b>	<b>\$2,636,792</b>
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	Using a Narrative-Based Approach to Reducing Indoor Tanning	01/30/2018	440,875
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/University of Massachusetts Medical School	Healthy Weight, The Latino Mother's Way	02/23/2018	181,079
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	RELAX: A Mobile Application Suite Targeting Obesity and Stress	01/10/2018	255,606
Bureau, Paul J	CT Department of Labor/University of Connecticut Health Center	Occupational Health Clinics Grant-Occupational Health Clinics	02/14/2018	36,915
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	Building Habits Together: Feasibility Trial of an Integrated Mobile and Social Network Weight Loss Intervention	02/16/2018	699,838
McCaffery, Jeanne	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Massachusetts General Hospital	Genomic and Metabolomic Predictors of Weight Changes in Response to Intensive Lifestyle Intervention	02/09/2018	162,818
Copenhaver, Michael M	DHHS/NIH/National Institute on Drug Abuse	HIV Prevention and Adherence Among Priority Drug Using Populations	01/05/2018	859,661
<b>Animal Science</b>			<b>4 Proposals</b>	<b>\$137,159</b>
Nadeau, Jenifer	Rails-To-Trails Conservancy	GAIT: Greenways Ambassadors in Training	01/31/2018	10,000
Amalaradjou, Mary A	Center for Produce Safety	Survival and Growth of Listeria Monocytogenes on Apples as Influenced by Common Storage Conditions Employed at the Apple Packing House	02/06/2018	84,877
Tian, Xiuchun C	Cooper Surgical	Testing of Oocyte/Embryo Vitrification Device Designed by CooperSurgical, Inc.	02/13/2018	32,282
Tang, Young	Yale University	Develop High Throughput Assay for Screen of Chemical Compounds that Inhibit PRRSV and CD163 Interaction	03/05/2018	10,000
<b>Extension</b>			<b>6 Proposals</b>	<b>\$321,421</b>
Gray, Sharon S	CT Department of Public Health/Connecticut Children's Medical Center	Newborn Screening Program	02/13/2018	205,722
Dietz, Michael E	DOI/United States Geological Survey	State Water Resources Research Institute Program Fiscal Year 2018 Annual Application	01/18/2018	33,544
Valiquette, Edith L	DOJ/Department of Justice/National 4-H Council	CT 4-H Mentoring Project	03/30/2018	2,000
Valiquette, Edith L	Disney Conservation Fund/National 4-H Council	Connecting Urban Youth to Nature	01/29/2018	17,600
Kelly, Miriah M	Innovation Growth Lab (NESTA)/CTNext	Exploring the use of RCT methodology to measure Innovation Places in Connecticut	01/16/2018	39,780
Bartholomew, Candace L	EPA/Environmental Protection Agency/eXtension Foundation	UConn extension Pesticide Safety Education Program	01/08/2018	22,775
<b>Kinesiology</b>			<b>12 Proposals</b>	<b>\$3,310,294</b>
Lee, Elaine	DOD/Department of Defense/University of Maryland	A Multi-Metabolite Sensor Array: Metabolic Profiling of the Soldier in the Field	02/09/2018	113,045
Pescatello, Linda S	DHHS/NIH/National Institutes of Health	The Effectiveness of Yoga Versus Aerobic Exercise as Antihypertensive Therapy	02/12/2018	2,972,424

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

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DiStefano, Lindsay	National Athletic Trainers Association	Comprehensive High School Sport Safety: A personalized Approach for the Local Implementation of Best Practice Initiatives	02/15/2018	54,524
Burland, Julie P	National Athletic Trainers Association	Neuromuscular and Psychological Dysfunction: A Novel Multi-Faceted Approach for Evaluating Learned Helplessness After ACL Injury	02/13/2018	2,500
Mazerolle, Stephanie M	National Athletic Trainers Association	Athletic Trainers in Positions of Leadership: Examining Career Development and Trajectories	02/15/2018	2,500
Casa, Douglas J	CamelBak Products	Hydration App Health Outcomes	03/16/2018	60,000
Casa, Douglas J	Westminster School	Westminster School	03/23/2018	30,084
Casa, Douglas J	Hartford Public Schools, CT	Hartford Public Schools (SMSA)	03/23/2018	25,487
Casa, Douglas J	Hartford Public Schools, CT	Hartford Public Schools	03/23/2018	19,901
Mazerolle, Stephanie M	National Athletic Trainers Association	Organizational Conflict and Return-to-Play Pressures Faced by Athletic Trainers in the Secondary School Setting: A Comparison Across Employment Models	03/27/2018	9,886
Scarneo, Samantha	Eastern Athletic Trainers' Association	A National Evaluation of Best-Practice Policy Adoption in Secondary School Athletics	03/29/2018	9,943
Lepley, Lindsey	Eastern Athletic Trainers' Association	Neuromuscular and Psychological Dysfunction: A Novel, Mixed-Methods Approach for Evaluating Learned Helplessness after ACL Injury	03/29/2018	10,000
<b>Natural Resources and the Environment</b>			<b>3 Proposals</b>	<b>\$1,529,471</b>
Anyah, Richard O	NSF/National Science Foundation	Hydroclimate Extremes Over the Horn of Africa and Nile Basin: Role of Large and Local Scale Forcing on Climate-Hydrology-Landuse Connections	02/13/2018	682,742
Helton, Ashley M	NSF/National Science Foundation	Groundwater Discharge of Legacy Nitrogen at the Scale of River Networks: Where are Steam Interface Sediments conduits or Filters?	01/23/2018	696,729
Parent, Jason R	Eversource	Substation Physical Security - Detection of UAVs (Phase I)	01/11/2018	150,000
<b>Nutritional Sciences</b>			<b>11 Proposals</b>	<b>\$3,849,231</b>
Chun, Ock K.	Florida Department of Citrus	Longitudinal Study Assessing 100% OJ Intake on Anthropometric and Cardiometabolic Indicators and Healthy-Related Behaviors in U.S. Children	01/05/2018	352,446
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Nutritional Transcriptomics Approach for the Role of Astaxanthin in Liver Fibrosis	01/15/2018	159,500
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Impact of Dietary Furocoumarin Exposure on Skin Cancer Development	02/27/2018	160,250
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Gut-Derived Berry Metabolites and Inflammation	03/19/2018	1,612,951
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Role of Histone Deacetylase 4 in Alcoholic Liver Disease	02/13/2018	440,875
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Is Lower Dietary Antioxidant Intake Associated with Greater Prostate Cancer Risk?	02/16/2018	440,875
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Impact of Dietary Furocoumarin Exposure on Skin Cancer Development	02/16/2018	160,250
Chun, Ock K.	Allen Foundation	Do Dietary Furocoumarins Increase Skin Cancer Risk? A Population-Based Cross-Sectional and Mortality Follow-Up Study	01/15/2018	73,766
Fernandez, Maria-Luz	Telomerase Activation Sciences (TA Sciences)	Dietary Supplement Effects on Metabolic Syndrome and Insulin Resistance. A Pilot Clinical Trial to Test the Effects of Efficacy	03/29/2018	4,304
Chun, Ock K.	California Table Grape Commission	Grape Prevents Aging-Associated Bone Loss by Inhibiting Formation of Advanced Oxidation Protein Products	02/01/2018	35,000
Chun, Ock K.	DHHS/NIH/National Institutes of Health/Brown University	Citrus Intake and Melanoma	01/22/2018	409,014
<b>Pathobiology</b>			<b>2 Proposals</b>	<b>\$4,971,485</b>

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Risatti, Guillermo	USDA/Agricultural Research Service	Procine Cytomegaiovirus (pCMV) as a immunogenic Vector to Deliver Recombinant Antigens against Classical Swine Fever Virus (CSFV) Strain E2 and Porcine Reproduction and Respiratory Syndrome (PRRS) Virus Antigens	03/06/2018	44,335
Khan, Mazhar I	DHHS/NIH/National Institutes of Health	Preclinical Development of a Universal Influenza Nanovaccine	01/12/2018	4,927,150
<b>Plant Science and Landscape Architecture</b>			<b>6 Proposals</b>	<b>\$283,261</b>
Ellis, Donna R	USDA/Animal and Plant Health Inspection Service/CT Agricultural Experiment Station	Cooperative Agricultural Pest Survey (CAPS) for FY 2018	03/21/2018	15,000
McAllister, Janet	USDA/National Institute of Food and Agriculture/University of Vermont	Coordinator, Professional Development Program, Northeast SARE	03/15/2018	172,952
Henderson, Jason J	New England Regional Turfgrass Foundation	The Effect of Turfgrass Seed Mixtures, Seeding Rate, and Mowing Timing on Weed Populations in Establishing Pesticide-Free Athletic Fields and Lawn Areas	03/08/2018	65,652
Ellis, Donna R	USDA/Animal and Plant Health Inspection Service	Biological Control of Lily Leaf Beetle (Lilioceris Lili) in Connecticut	02/20/2018	11,320
Raudales Banegas, Rosa E	Quantum BioPower	Feasibility of Using Solid Waste from Quantum BioPower as Substrate for Plant Production in Containers	02/20/2018	13,337
Raudales Banegas, Rosa E	New England Floriculture	Preventing Clogging of Drip Irrigation Caused by Iron Precipitates	02/05/2018	5,000
<b>College of Liberal Arts and Sciences</b>			<b>133 Proposals</b>	<b>\$77,482,617</b>
<b>Anthropology</b>			<b>2 Proposals</b>	<b>\$56,256</b>
Singer, Merrill	NSF/National Science Foundation	Doctoral Dissertation Research Improvement Grant: Mosquitoes, Place, and Self: Local Responses to Prevention Programs for the Aedes aegypti Mosquito in Comayguela, Honduras	01/16/2018	24,561
Smith, Alexia	NSF/National Science Foundation	Fueling Socioeconomic Complexity: Fuel use and Fuel Economies During the Chalcolithic and Iron Ages of Northern Mesopotamia	03/02/2018	31,695
<b>Chemistry</b>			<b>11 Proposals</b>	<b>\$6,644,329</b>
Asandei, Alexandru	American Chemical Society	Transition Metal Catalyzed Interconversion of Perfluoroalkyl Halides	03/16/2018	110,000
Rouge, Jessica	American Chemical Society/Petroleum Research Fund	Isolation of Ribonucleic Acid-Heme Conjugates Capable of Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons in Co-Solvent Systems	03/15/2018	110,000
Quardokus, Rebecca C	Spectroscopy Society of Pittsburgh	Spatially-resolved Potential Energy Surface Maps of a Conducting Polymer by Potential Energy Surface Spectroscopy	03/05/2018	40,000
Rusling, James F	DHHS/NIH/National Institutes of Health	Rapid Detection of Oral Cancer Metastatic Biomarker DSG3 in Lymph Nodes	03/05/2018	2,756,966
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon Micro-droplet Dynamics Determined through Surface Confinement of Trapped Kinetic States	03/15/2018	110,000
Basu, Ashis K	DHHS/NIH/National Institutes of Health/University of Minnesota	DNA-Protein Cross-Links: Cellular Effects and Repair Mechanisms	01/12/2018	84,597
Peczuh, Mark W	DHHS/NIH/National Institutes of Health	Ring Expanded Glycomimetic FimH Antagonists as Lead Compounds for anti-UTI Therapies	02/16/2018	396,412
He, Jie	Dreyfus (Camille and Henry) Foundation	Simple Polymer Mimics of Enzymes to Control Catalytic Activity of Metal Ions, Clusters and Nanoparticles	02/07/2018	75,000
Angeles-Boza, Alfredo M	NSF/National Science Foundation	MRI: Acquisition of a MALDI TOF/TOF System for Interdisciplinary Research and Training at the University of Connecticut	02/05/2018	366,346
Rusling, James F	DHHS/NIH/National Institutes of Health	Highly Selective Nanoparticles for Antibody Binding and Purification	01/26/2018	2,443,950
He, Jie	DHHS/NIH/National Institutes of Health/University of Maryland	Understanding the Role of Ligand Conformation in Nano-Bio Interactions	02/16/2018	151,058

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Ecology and Evolutionary Biology</b>			<b>7 Proposals</b>	<b>\$8,542,503</b>
Knutie, Sarah A	DHHS/NIH/National Institutes of Health/University of South Florida	Effects of Contaminants on Later-life Infectious Disease Risk Mediated by Early-life Disruption of the Developing Microbiome and Immune System	03/09/2018	582,424
Knutie, Sarah A	DHHS/NIH/National Institutes of Health	Host Microbiota as a Mediator of Pesticides, Immune Responses, and Infectious Disease Risk	02/23/2018	2,126,470
Silander, John A	NASA/National Aeronautics and Space Administration	Detection of Biodiversity in the Greater Cape Floristic Region	02/01/2018	43,107
Urban, Mark C	NSF/National Science Foundation	NRT-INFEWS: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	02/06/2018	2,999,989
Yuan, Yaowu	DHHS/NIH/National Institutes of Health	Genetic origin, developmental mechanism, and evolutionary process of a novel phenotype in Mimulus (monkeyflowers)	02/05/2018	1,771,801
Jockusch, Elizabeth L	NSF/National Science Foundation/Trinity College	IOS: EDGE: RUI: From non-model to near-model: developing a toolkit for bringing understudies anthropods online	01/23/2018	534,546
Yuan, Yaowu	NSF/National Science Foundation/University of Georgia	IOS: EDGE: Enabling functional genomics in monkeyflowers (Mimulus)	01/23/2018	484,166
<b>Economics</b>			<b>2 Proposals</b>	<b>\$171,941</b>
Ross, Stephen L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UConn-SAM)	03/01/2018	10,000
Baggio, Michele	DHHS/NIH/National Institutes of Health/Georgia State University	Medical Marijuana Laws and Impact on Health Outcome	02/07/2018	161,941
<b>English</b>			<b>1 Proposals</b>	<b>\$11,617</b>
Deans, Tom	Burroughs Wellcome Fund/University of Connecticut Health Center	The UConn Health Writing program for Biomedical Science Trainees	03/02/2018	11,617
<b>Geography</b>			<b>2 Proposals</b>	<b>\$3,026,759</b>
Stephenson, Scott	NSF/National Science Foundation/Brown University	CNH-S: Modeling risk of transformative change in a coupled natural-human system at the Arctic ice edge	01/16/2018	26,927
Seth, Anji	NSF/National Science Foundation	NRT: Training Leaders in Translational Research at the Nexus of Weather, Water, and Well-Being	02/06/2018	2,999,832
<b>History</b>			<b>1 Proposals</b>	<b>\$64,374</b>
Baldwin, Peter C	NEH/National Endowment for the Humanities	The Impact of the Industrial Revolution on Hartford County	02/22/2018	64,374
<b>Human Development and Family Studies</b>			<b>7 Proposals</b>	<b>\$669,430</b>
Russell, Beth S	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	Parents as Coping Coaches - 2 (PaCC-2)	03/02/2018	229,676
Puhl, Rebecca M	Australian Research Council/Monash University	How Will Food Addiction Explanations of Obesity Affect Stigma, Weight Control Beliefs and Public Health Policy Support?	03/02/2018	9,418
Gans-DeLuca, Kim M	DHHS/NIH/National Institutes of Health/Miriam Hospital	Establishing Multi-site Fidelity of an Enhanced Yoga and Novel Nutrition Intervention for Adults with Type 2 Diabetes	01/16/2018	140,405
Russell, Beth S	Connecticut Children's Medical Center	Center for Behavioral Health -- Research Assistant Position (Simpson)	01/18/2018	47,308
Russell, Beth S	Connecticut Children's Medical Center	Center for Behavioral Health -- Research Assistant Position (Lincoln)	01/18/2018	54,684
Bellizzi, Keith M	Connecticut Breast Health Initiative	Genetic Counseling for BRCA 1/2 Mutations: Preferences and Outcomes of Counseling	03/28/2018	49,999
Super, Charles M	DHHS/ACF/Administration for Children and Families/CT Office of Early Childhood	Family Development Training: Effects on Agency Culture and Client Experience	01/16/2018	137,940

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Integrative Geoscience</b>			<b>2 Proposals</b>	<b>\$352,704</b>
Gillingham, Julie C	NSF/National Science Foundation/University of Iowa	Fingerprinting an Ancient Fluvial-to-Marine Transition Zone Using Facies Analysis, Chemostratigraphy, and Detrital Chronology	01/19/2018	90,171
Gillingham, Julie C	NSF/National Science Foundation	Collaborative Research: Climate-Lithospheric Interactions in Mountain Belts New Zealand (CLIMB NZ)	01/19/2018	262,533
<b>Marine Sciences</b>			<b>21 Proposals</b>	<b>\$14,322,566</b>
O'Donnell, James	HUD/Department of Housing and Urban Development/CT Department of Housing	The Development of the Connecticut Connections Coastal Resilience Plan	01/26/2018	8,203,323
Baumann, Zofia A	Cape Cod Commercial Fishermen's Alliance	Mercury Analysis in Spiny Dogfish	02/14/2018	5,580
Lin, Senjie	NSF/National Science Foundation	EDGE: Transformation and CRISPR/Cas9 tools for studying gene function in dinoflagellates	01/26/2018	899,711
Dam Guerrero, Hans G	EPA/Environmental Protection Agency/CT Department of Energy and Environmental Protection	LIS Mesozooplankton and Microzooplankton Identification and Analyses, 2018	01/26/2018	218,084
Cabaniss, Joseph T	NASA/National Aeronautics and Space Administration/Bigelow Laboratory for Ocean Sciences	Charter of the R/V Connecticut by Bigelow for Gulf of Maine Survey	01/26/2018	30,800
Cabaniss, Joseph T	NY State Department of Environmental Conservation (DEC)/Cornell University	Charter of the R/V Connecticut by Cornell for Buoy Maintenance	01/26/2018	26,400
Cabaniss, Joseph T	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Maine	Charter of the R/V Connecticut by UMaine for Buoy Maintenance	01/26/2018	92,036
Cabaniss, Joseph T	EOM Offshore	Charter of the R/V Connecticut by EOM Offshore for Buoy Maintenance	01/26/2018	9,856
Vaudrey, Jamie M	DOC/NOAA/National Oceanic and Atmospheric Administration/CT Department of Energy and Environmental Protection	UConn Department of Marine Sciences Technical Support Services in Support of the Designation of a CT NERR	02/06/2018	43,636
Dierssen, Heidi M	NASA/National Aeronautics and Space Administration/NASA/Jet Propulsion Laboratory	Snow and Water Imaging Spectrometer	03/22/2018	26,905
Cabaniss, Joseph T	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Maine	Charter of R/V Connecticut for University of Maine - Wallinga Buoy Maintenance	03/22/2018	92,036
Baumann, Zofia A	Korean Federation for Environmental Movement (KFEM)/Citizens' Institute for Environmental Studies (CIES)	Methylmercury and Total Mercury in Antarctic Seawater, Snow and Penguin Tissues	03/21/2018	19,994
Mason, Robert	Hudson River Foundation	Evaluating the effect of ribbed mussels ( <i>Geukensia demissa</i> ) on the fate of inorganic and methylmercury in the Hackensack sub-estuarine system	03/19/2018	16,000
Dick O Donnell, Jennifer	DOC/NOAA/National Marine Fisheries Service	Beneficial Use of Dredged Material for Salt Marsh Restoration	03/06/2018	
Tobias, Craig R	DOD/Department of Defense	NTO and DNAN Transformations Quantified Using Enriched Stable Isotope Tracers	03/05/2018	842,011
Lin, Senjie	DOD/Navy/Department of the Navy	Development of phytoplankton metabolism and proliferation RNA sensors for early warning of harmful algal blooms	02/16/2018	1,146,797
Randolph, Kaylan L	NSF/National Science Foundation	Collaborative Research: Investigating the Contribution of Breaking Surface Gravity Waves to the Mixed Layer Under Open Ocean Conditions	02/15/2018	178,962
McManus, George B	NSF/National Science Foundation	Collaborative Research: Combining Single-Cell and Community 'Omics' to Assess Diversity and Function of Planktonic Ciliates	02/15/2018	493,685
Vlahos, Epanante P	DOC/NOAA/National Ocean Service	Assessing the Resilience of Two Representative Coastal Systems Against Natural and Anthropogenic Thresholds	02/13/2018	919,277

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Siedlecki, Samantha A	DOC/NOAA/National Ocean Service	Forecasting Effects of Ocean Acidification on the Dungeness Crab Fishery: The Role of Thresholds Linked to Toxic Algal Blooms in Mediating Fishery Access	02/12/2018	946,239
Lin, Senjie	EPA/Environmental Protection Agency/CT Department of Energy and Environmental Protection	Identification of Phytoplankton Collected from Long Island Sound, 2018	01/22/2018	111,234
<b>Mathematics</b>			<b>10 Proposals</b>	<b>\$446,762</b>
Yan, Xiaodong	Simmons (Harold) Foundation	Turbulent Convection, Dislocation and Grain Boundaries	01/23/2018	42,000
Ben Ari, Iddo	NSF/National Science Foundation	Research Workshops, UConn Special Semester in Probability	01/10/2018	68,762
Lozano-Robledo, Alvaro	Simons Foundation	Mordell-Weil Groups of Elliptic Curves	01/30/2018	42,000
Ben Ari, Iddo	Simons Foundation	Topics in Ergodicity of Markov Processes	01/31/2018	42,000
Fulger, Aurel-Mihai	Simons Foundation	Problems on Positivity in Algebraic Geometry	01/26/2018	42,000
Leykekhman, Dmitriy	Simons Foundation	Discrete Maximal Parabolic Regularity and Applications	01/26/2018	42,000
Sengupta, Ambar N	Simons Foundation	Geometric Structure from Gauge Theories and Infinite-dimensional Geometry	01/26/2018	42,000
Lierl, Janna	Simons Foundation	Parabolic Equations on Metric Spaces	01/26/2018	42,000
Roby, Thomas	Simons Foundation	Dynamical Algebraic Combinatorics: Homomesy and Birational Liftings	01/31/2018	42,000
Baudoin, Fabrice	Simons Foundation	Topics in Smooth and non Smooth Analysis	01/31/2018	42,000
<b>Molecular and Cell Biology</b>			<b>9 Proposals</b>	<b>\$5,421,046</b>
Laufer, Hans	DOC/NOAA/National Oceanic and Atmospheric Administration	Enhanced Macroalgae Cultivation and Harvesting Should Reduce Severe Effects of Alkylphenolic Endocrine Disrupting Pollutants (including BPA) in Marine Vertebrates, Invertebrates and Algae of Long Island Sound	03/06/2018	
Malone, John H	NSF/National Science Foundation	Dimensions US-South Africa: Sex Chromosomes, Sexual Dimorphism, and Species Diversification	02/28/2018	1,941,982
Alder, Nathan N	DHHS/NIH/National Institutes of Health	Development of multifunctionalized lipid nanoparticles for targeting chemotherapeutic drugs to brain tumors	02/27/2018	159,908
Cole, James L	DHHS/NIH/National Institutes of Health	Regulation of PKR by Dimerization	02/16/2018	440,500
Alexandrescu, Andrei T	American Heart Association	Structures of critical nuclei and intermediates in IAPP amyloid misfolding	01/23/2018	300,000
Goldhamer, David J	DHHS/NIH/National Institutes of Health	A new therapeutic approach for fibrodysplasia ossificans progressive based on ACVR1 over-expression	02/14/2018	440,500
Lynes, Michael A	DHHS/NIH/National Institutes of Health	Extracellular Metallothionein as an Agent of Mammary Tumorigenesis	02/09/2018	421,240
Zweifach, Adam	DHHS/NIH/National Institutes of Health	Screening for glycolysis inhibitors to use as chemical probes	02/05/2018	1,276,041
O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Investigating Meiotic Breakdown in a Transgenic Mouse Targeting the Xlr3 Gene Family	02/16/2018	440,875
<b>Physics</b>			<b>12 Proposals</b>	<b>\$2,815,759</b>
Trallero, Carlos	Los Alamos National Laboratory	Driven Quantum Matter	03/23/2018	798,831
Roychoudhuri, Chandra S	NASA/National Aeronautics and Space Administration	Experimental validation for space as a stationary Complex Tension Field	03/19/2018	210,613
Trallero, Carlos	DOE/Department of Energy	Complete Photoionization Spectroscopy in the Attosecond Regime	02/07/2018	510,357
Battersby, Cara	NASA/National Aeronautics and Space Administration	Observation and Simulation of High Mass Star Formation in Extreme Environments: A High-Redshift Analog Within the Milky Way	02/01/2018	43,107
Dutta, Niloy K	II-VI Foundation	VCSELs for Optical Communication	02/05/2018	87,012
Joo, Kyungseon	DOE/Department of Energy/UChicago Argonne	Electroproduction with Nucleon and Nuclear Targets Using CLAS and CLAS12	01/19/2018	48,980

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Trump, Jonathan R	NASA/National Aeronautics and Space Administration	Light Echoes of Black Hole Growth	02/01/2018	45,000
Wuosmaa, Alan H	DOE/Department of Energy	Studies of Exotic Nuclei with Few-Nucleon Transfer Reactions	01/31/2018	644,760
Tease, Katherine E	NSF/National Science Foundation	IRES Track 1: Exploring New Horizons in the Observable Universe at the Cosmic Dawn C	01/30/2018	353,099
Sinkovic, Boris	DOE/Department of Energy/Los Alamos National Laboratory	Magnetic Topological Matter	01/26/2018	5,000
Gibson, George N	NSF/National Science Foundation	Excitation of Molecules by Strong Laser Fields	03/26/2018	24,000
Tease, Katherine E	NASA/National Aeronautics and Space Administration	The Lensed Perspective: Searching for signatures of inside-out quenching	02/01/2018	45,000
<b>Physiology and Neurobiology</b>			<b>10 Proposals</b>	<b>\$13,227,505</b>
Tzingounis, Anastasios	Simons Foundation/University of Illinois, Urbana-Champaign	De novo KCNQ2 mutations associated with autism and epileptic	02/21/2018	16,719
Wu, Jianguo	DHHS/NIH/National Institutes of Health	New microRNA-mediated bile acid metabolism and biliary liver fibrosis	02/05/2018	2,008,750
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Understanding the role of minor spliceosome in hypothalamic development and feeding behavior	02/05/2018	3,403,832
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Understanding the Role on Minor Spliceosome in Regulation of Alternative Splicing	02/05/2018	3,396,401
Sun, Jianjun	DHHS/NIH/National Institutes of Health	Physiological functions of female reproductive tract secretions	02/02/2018	2,008,750
Wang, Li	American Heart Association	Novel miRNA-mediated regulation of hepatic lipid metabolism	02/01/2018	5,000
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health	UConn Postbaccalaureate Research Education Program (PREP)	01/24/2018	1,808,592
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health/Northwestern University	Channelopathy-Associated Epilepsy Research Center	01/11/2018	538,345
Wang, Li	VA/Connecticut Healthcare System	IPA VA Connecticut Healthcare System	02/01/2018	7,330
Chen, Xinnian	Helmsley (Leona M. and Harry B.) Charitable Trust/Yale University	National Academies Summer Institute on Undergraduate Education	02/27/2018	33,786
<b>Political Science</b>			<b>1 Proposals</b>	<b>\$49,947</b>
Perkoski, Evan J	Stanton Foundation	Stanton Foundation Course Development Proposal	02/07/2018	49,947
<b>Psychological Sciences</b>			<b>21 Proposals</b>	<b>\$20,546,848</b>
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Sequential Adaptive mHealth Interventions for Youth to Achieve HIV Suppression	01/08/2018	3,738,081
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	Project B	03/29/2018	36,700
Barnes-Farrell, Janet L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	Aging, Musculoskeletal Disorder, and Work Capacity	02/27/2018	15,617
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	P&E Core	03/29/2018	28,385
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	Outreach CORE	03/29/2018	59,648
Salamone, John D	Neurocrine Biosciences/NeuroDetective International (NDI)	Characterization of a Novel Treatment for Parkinsonian Tremor	03/27/2018	40,845

\* 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
Quinn, Diane M	Fahs-Beck Fund for Research and Experimentation	Food as Both Stress and Salve: Stress appraisals and coping strategies in response to palatable food cues among women with a spectrum of weight concern	03/23/2018	4,165
Park, Crystal	DHHS/NIH/National Cancer Institute	Development of a Theory-Based Model and Practical Clinical Tool for Providers to Predict Adherence to Oral Anticancer Medications among Older Adults	03/20/2018	3,652,889
Salamone, John D	BlackThorn Therapeutics	Assesment of the Role of Kappa Opiod Receptor Function in Animal Models of Effort-Related Choice Behavior: Significance for Treating Motivational Dysfunctions	03/16/2018	96,255
Gorin, Amy	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	Pain and Weight Treatment: Development and Trial of PAW	03/02/2018	133,479
Volgushev, Maksim A	DHHS/NIH/National Institutes of Health/St. Joseph's Hospital and Medical Center	Active Vision During Natural Locomotion	03/01/2018	1,041,387
Swadlow, Harvey A	DHHS/NIH/National Institutes of Health	Thalamocortical Processing of Visual Information During Alert and Non-Alert Brain States	03/02/2018	2,008,750
Naigles, Letitia	DHHS/NIH/National Institutes of Health	Early Predictors to School-Age Language: Individual and Interactional Child and Parent Factors	03/05/2018	2,019,562
Salamone, John D	DHHS/NIH/National Institutes of Health	Atypical Dopamine Transport Inhibitors as Treatments for Motivational Dysfunction	02/16/2018	161,000
Hancock, Roeland	DHHS/NIH/National Institutes of Health/University of California, San Francisco	Intergenerational Neuroimaging of Language and Reading Networks Using a Natural Cross-Fostering Design	02/19/2018	1,915,461
Park, Crystal	Templeton (John) Foundation	Systematic Investigation of US Federal Investments in Research on Religion and Health	01/31/2018	234,206
Dixon, James A	Templeton (John) Foundation	End-Directedness and the Origins of Life	01/31/2018	2,000,002
Volgushev, Maksim A	DHHS/NIH/National Institutes of Health	The role of heterosynaptic plasticity in regulating regimes of learning	02/05/2018	2,859,927
Paxton, Alexandra E	NSF/National Science Foundation	Collaborative research: Capturing individual differences in learning in a massive video game data set	01/17/2018	348,059
Green, James A	Haskins Laboratories	Administrative Supplement for Kenneth Pugh, PhD.	01/19/2018	25,406
Green, James A	Yale University	Release Time for Kenneth Pugh, Ph.D	01/19/2018	127,024
<b>Public Policy</b>			<b>1 Proposals</b>	<b>\$50,000</b>
Raissan, Kerri M	Peterson (Peter G) Foundation	Family, Maternal Work, and 2050	01/22/2018	50,000
<b>Speech, Language and Hearing Sciences</b>			<b>4 Proposals</b>	<b>\$409,197</b>
Tufts, Jennifer	DHHS/NIH/National Institutes of Health/Creare	A Wireless Audiometric Headset that Integrates Hearing Testing, Education, and Personalized Hearing Protection Fitting	01/05/2018	33,832
Theodore, Rachel	University of Louisville	Linking Natural Signal Statistics and Context Effects in Speech Perception	01/22/2018	25,183
Theodore, Rachel	Massachusetts Institute of Technology	Collaborative Research: An Integrated Model of Phonetic Analysis and Lexical Access Based	02/01/2018	350,182
Myers, Emily	NSF/National Science Foundation	LOI Title: Individual differences in neural precision for speech processing	02/20/2018	
<b>Statistics</b>			<b>9 Proposals</b>	<b>\$653,074</b>
Chen, Ming-Hui	Merck/University of North Carolina, Chapel Hill	Methods for Interim Analysis with Incomplete Adjudication of Events	03/16/2018	60,738
Dey, Dipak K	DOD/Department of Defense/University of Florida	Retrieval of Edge and Plow Information in Power Grid Network following Massive Spatially Correlated Failure	02/27/2018	166,875
Wang, Xiaojing	Simons Foundation	Advances in Latent Traits Analysis for Large-Scale Complex Data	01/31/2018	42,000

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Chen, Ming-Hui	United Technologies-Pratt & Whitney	V2500 & NEO Combustor Life Modeling	01/26/2018	100,000
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model - Round Two of Funding	03/01/2018	55,164
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	03/01/2018	70,925
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	03/01/2018	75,038
Harel, Ofer	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model/Round Two of Funding for Design and Test Assistance	03/05/2018	52,514
Bar, Haim	DHHS/NIH/National Institutes of Health/Cornell University	RCT of maternal choline supplementation: offspring cognition, affect, and epigenome	01/25/2018	29,820
<b>NEAG School of Education</b>			<b>6 Proposals</b>	<b>\$1,733,748</b>
<b>Curriculum and Instruction</b>			<b>1 Proposals</b>	<b>\$1,800</b>
Campbell, David	ED/Department of Education/Central Connecticut State University	Connecticut Network of Science Educators and Preservice Teachers (CoNSEPT)	02/08/2018	1,800
<b>Education Dean</b>			<b>1 Proposals</b>	<b>\$416,699</b>
Cobb, Casey D	NSF/National Science Foundation/University of Maine	Research on Underrepresented Students in STEM	03/27/2018	416,699
<b>Educational Leadership</b>			<b>3 Proposals</b>	<b>\$1,115,255</b>
Dougherty, Shaun M	ED/Institute of Education Sciences/American Institutes for Research	Expanding the Evidence Base for Career and Technical Education Network	03/30/2018	750,718
Castillo-Montoya, Milagros	Spencer Foundation/Columbia University	Reclaiming Teaching and Learning as the Core of Higher Education in Diverse Contexts	02/14/2018	244,843
McGarry, Jennifer E	USDA/Food and Nutrition Service/CT Department of Social Services	Husky Sport	02/01/2018	119,694
<b>Educational Psychology</b>			<b>1 Proposals</b>	<b>\$199,994</b>
Hines, Erik M	NSF/National Science Foundation	Collaborative Research: Windows of Opportunity-Understanding Black Male Engineers in the Pursuit of Advanced Degrees	02/05/2018	199,994
<b>School of Business</b>			<b>2 Proposals</b>	<b>\$406,016</b>
<b>Finance</b>			<b>1 Proposals</b>	<b>\$262,381</b>
Cohen, Jeffrey	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Impacts of the CTrail Hartford Line on Real Estate and Urban Economic Development: Phase 1	02/15/2018	262,381
<b>Operations &amp; Info Management</b>			<b>1 Proposals</b>	<b>\$143,635</b>
Shankar, Ramesh	NSF/National Science Foundation	Identifying and Quantifying Gamification Mechanisms that can motivate Experts to Share Technical Knowledge Through Online Electronic Communities	01/31/2018	143,635
<b>School of Engineering</b>			<b>134 Proposals</b>	<b>\$63,496,349</b>
<b>Biomedical Engineering</b>			<b>23 Proposals</b>	<b>\$5,029,841</b>
Kaputa, David F	UMass Memorial Medical Center	2018-2019 Clinical Engineering Internship Program at UMass Memorial Medical Center	03/29/2018	119,130
Kaputa, David F	International Shared Services (ISS) Solutions	2017-2019 Clinical Engineering Internship at Geisinger Medical Center	03/23/2018	65,076
Kaputa, David F	Rhode Island Hospital	2018-2019 Clinical Engineering Internship Program at Rhode Island Hospital-Lifespan #2	03/23/2018	35,681

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Kaputa, David F	Rhode Island Hospital	2018-2019 Clinical Engineering Internship Program at Rhode Island hospital-Lifespan #1	03/23/2018	72,882
Kaputa, David F	Middlesex Hospital	2018-2020 Clinical Engineering Internship Program at Middlesex Memorial Hospital	03/22/2018	95,669
Kaputa, David F	Massachusetts General Hospital	2018-2019 Clinical Engineering Internship Program at Massachusetts General Hospital	03/22/2018	72,630
Kaputa, David F	Hartford Hospital	2018-2019 Clinical Engineering Internship Program at Hartford Hospital	03/22/2018	108,562
Kaputa, David F	Crothall Healthcare	2018-2019 Clinical Engineering Internship Program at Crothall Healthcare	03/22/2018	72,630
Kaputa, David F	International Shared Services (ISS) Solutions	2018-2020 Clinical Engineering Internship Program at Geisinger Medical Center	03/22/2018	52,183
Kaputa, David F	Boston Children's Hospital	2018-2019 Clinical Engineering Internship Program at Boston Children's Hospital	03/22/2018	47,266
Kaputa, David F	Brigham and Women's Hospital	2018-2019 Clinical Engineering Internship Program at Brigham & Women's Hospital	03/22/2018	47,266
Kaputa, David F	Baystate Medical Center	2018-2019 Clinical Engineering Internship Program at Baystate Medical Center	03/23/2018	93,053
Chon, Ki H	National Health Service/St. Bartholomew's Hospital	Treatment of New Onset Atrial Fibrillation in the ICU	03/09/2018	18,000
Chon, Ki H	DHHS/NIH/National Institute of General Medical Sciences/Jackson Laboratory	Graduate Research in Genomics	01/16/2018	38,383
Hoshino, Kazunori	DHHS/NIH/National Institutes of Health	Multiwell plate-compatible, label-free morphological phenotyping of 3D micro tumors	02/28/2018	575,493
Chon, Ki H	DOD/Navy/Naval Sea Systems Command (NAVSEA)/Duke University	Does Heart Rate Variability Predict Impairment of Operational Performance in Divers?	02/28/2018	59,468
Shin, Yong Jun	DHHS/NIH/National Institutes of Health	A microservices-enabled event-driven statechart approach for clinical decision support	02/15/2018	440,875
Shahbazmohamadi, Sina	NSF/National Science Foundation	Development of a High Throughput 3D Mapping System: Integrating Ultrafast Laser, Helium Ion Imaging and Machine Learning	02/05/2018	1,991,236
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	FGF2 regulation Joint Aging and Degenerative Disorders	01/25/2018	58,227
Shahbazmohamadi, Sina	NSF/National Science Foundation	Oxygen-Free Nanocrystalline Materials: Advanced Synthesis and Processing to Enhance Mechanical Properties of Iron-Based Alloys at Elevated Temperatures	01/24/2018	386,529
Kaputa, David F	Kaiser (Henry J.) Family Foundation	2018-2020 Clinical Engineering Internship Program at Kaiser Foundation Hospitals	01/18/2018	128,593
Hoshino, Kazunori	NSF/National Science Foundation	Promoting bone-implant integration with multiscale porous composite created by bioactive coating an inert metal	01/24/2018	399,963
Kaputa, David F	Stanford Children's Health	2018-2019 Clinical Engineering Internship Program at Standford Children's Health	03/29/2018	51,046
<b>Chemical and Biomolecular Engineering</b>			<b>21 Proposals</b>	<b>\$6,311,130</b>
Valla, Ioulia	Doosan Fuel Cell America	HDS Catalyst Testing	02/12/2018	107,787
Bollas, Georgios	DOE/Department of Energy/Physical Sciences	A Novel Process for Low-Cost Production of Carbon Black from Coal	02/13/2018	50,000
Valla, Ioulia	NSF/National Science Foundation	Collaborative Research: Manufacturing Nanoreactors: A Scalable, Facile, Chemistry within a Droplet Method for the Development of Hollow Structures with Encapsulated Active Sites	01/24/2018	226,974
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Nanomanufacturing from Chaotic State to Ordered Nano-assembly to Integrated Functional System	01/24/2018	251,276

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bollas, Georgios	Doosan Fuel Cell America	Model-Based Control Design Platform for Doosan Thermal Management Systems	01/16/2018	103,410
Bollas, Georgios	Doosan Fuel Cell America	Sulfur Slip Detection in Doosan Power Systems	01/16/2018	87,570
Willis, Brian G	NSF/National Science Foundation	Fast Spatial ALD for Complex Optical Film Stacks	01/23/2018	377,540
Escobar Ivirico, Jorge L	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Precision Breast Cancer Therapy Utilizing Genomics-Driven Immunoproteomics	01/15/2018	399,996
Srivastava, Ranjan	DHHS/NIH/National Institutes of Health/Health E-sense	Breath Sensor Technology to Screen for Nonalcoholic Fatty Liver Disease (NAFLD)	01/05/2018	46,000
Burke, Kelly A	DHHS/NIH/National Institutes of Health/Bio maize Materials	Development of Shape Memory Materials for Wound Protection Sleeves	01/03/2018	120,000
Willis, Brian G	NSF/ENG/Directorate for Engineering	Tunable Plasmonic Nanostructures by Atomic Layer Deposition	03/23/2018	6,000
Bollas, Georgios	United Technologies-Research Center	Development and Demonstration of Tools and Methods for Linked Data Infrastructure for Smart Manufacturing	03/29/2018	89,998
Burke, Kelly A	American Chemical Society/Petroleum Research Fund	Designing Polymer Morphology to Enhance Reversible Adhesion in Supramolecular Assemblies	03/16/2018	110,000
Srivastava, Ranjan	DOE/Department of Energy/University of Maryland, Baltimore County	Multi-omic data driven modeling of Y. lipolytica gene regulation to increase lipid production	03/15/2018	244,679
Shor, Leslie M	DOE/Department of Energy	Multimodal Imaging of Carbon Dynamics under Water Stress in the Rhizosphere	03/16/2018	1,125,000
Wagstrom, Kristina	DHHS/NIH/National Institutes of Health	Mitigating Exposures During Outdoor Activities and Active Commuting	02/27/2018	2,231,279
Srivastava, Ranjan	DOE/Department of Energy/Sustainable Energy Development Authority (SEDA)	Integrated Electrochemical-BioProcess for Production of High-Value Hydrocarbons from Waste CO2	02/26/2018	40,000
Bollas, Georgios	DOE/Department of Energy/Precision Combustion	Material Development for Thermal-Based Carbon Capture	02/23/2018	30,000
Pascal, Jennifer A	NSF/National Science Foundation	Research Initiation: Development of a Game-Based Engineering Ethics Activity - A Playful Approach to Ethical Reasoning Development	02/22/2018	199,943
Cho, Yongku P	DHHS/NIH/National Institutes of Health	Design and standardization of antibodies targeting protein post-translational modifications	02/16/2018	440,500
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	Structurally Precise Nanoparticle Catalysts for Selective Oxidation Prepared in Supercritical Carbon Dioxide	02/16/2018	23,178
<b>Civil and Environmental Engineering</b>			<b>24 Proposals</b>	<b>\$10,704,229</b>
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	Hardware and Software Support for the CT DRE Program	02/15/2018	58,617
Ivan, John N	National Academies	NCHRP 17-85: Development and Application of Crash Severity Models for the Highway Safety Manual	01/18/2018	600,000
Zhang, Wei	NSF/National Science Foundation	Hybrid Physics-Based and Data-Informed Modeling and Machine Learning Systems for Critical Chemical Infrastructures	02/20/2018	2,000,001
Zhu, Jin	NSF/National Science Foundation/Florida International University	Smart Resilience - The Case of Miami	02/27/2018	282,138
Zhang, Wei	National Academies	Gulf Research Program Fellowship	03/06/2018	76,000
Zhang, Wei	NSF/National Science Foundation	CRISP2.0 Type 2: Collaborative Research: An Integrated Agent Based Modeling and Machine Learning System for Interdependent Critical Infrastructures of Nuclear Reactors and Water System	03/07/2018	1,550,000
Chrysochoou, Maria	Environmental Professionals' Organization of Connecticut (EPOC)	GIS Development for Connecticut Brownfields	03/15/2018	3,594

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Pena Mendez, Malaquias	DOC/NOAA/National Oceanic and Atmospheric Administration	A scalable weather-health preparedness system: optimization and evaluation for heat and cold waves	03/16/2018	284,237
Anagnostou, Emmanouil N	NASA/National Aeronautics and Space Administration	Using Earth Observation Datasets to Predict the Severity of Extreme Weather Impacts on an Electrical Infrastructure	03/20/2018	1
Zhang, Wei	NSF/ENG/Directorate for Engineering	Collaborative Research: Probabilistic Hierarchical Multi-Scale Damage Prognosis of Slender Coastal Bridges	03/06/2018	16,000
Chrysochoou, Maria	NSF/National Science Foundation	A Bottom-up Approach to Design of Chemical Soil Stabilization Using Thermodynamic Modeling	03/02/2018	16,000
Shen, Xinyi	Housatonic Valley Association	Planning for Climate Resilient and Fish-Friendly Road/Stream Crossings	01/03/2018	25,000
Kim, Jeongho	United Technologies-Pratt & Whitney	UConn - Compression Systems: Composites Manufacturing, Analysis and Test	01/09/2018	68,736
Jackson, Eric D	/CT Department of Transportation	2018 Northeast Connected and Autonomous Vehicle Summit	02/09/2018	37,571
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	2018 Northeast Connected and Autonomous Vehicle Summit	02/09/2018	37,571
Chrysochoou, Maria	L'Oreal USA	Fate and transport of perfluorinated organic compounds in the environment: an innovative modeling approach	02/02/2018	60,000
Christenson, Richard	NSF/National Science Foundation	IRES Track II/Collaborative Research: PREEMPTIVE Multidisciplinary Natural Hazards Engineering Institute Series for Advanced Graduate Students	02/06/2018	323,642
Anagnostou, Emmanouil N	NASA/National Aeronautics and Space Administration	Using satellite data and climate models to investigate the impact of climate change on extreme precipitation events - demonstration over the Northeast US	02/01/2018	45,000
Jackson, Eric D	DOT/Department of Transportation/New England Transportation Consortium	NETC QR17-1: "Quick Response: New England Connect Automated Vehicles"	02/01/2018	49,932
Kirchhoff, Christine	NSF/National Science Foundation/Wright State University	CNH-L: Collaborative Research: From farm management to toxic blooms: A modern approach to assessing the role of nitrogen in Lake Erie's coupled ecological and human systems	01/22/2018	260,584
Wang, Guiling	NSF/National Science Foundation	CNH-L: Understanding the Dynamics of the Coupled Climate-Agriculture Systems in West Africa	01/23/2018	1,596,533
Li, Baikun	USAID/US Agency for International Development/National Academy of Sciences	New Generation of Microbial Cultures to Improve Food Quality and Safety	01/16/2018	190,000
Li, Baikun	Infiltrator Water Technologies	Validation of Milli-electrode Array (MEA) as Real-time In Situ Nitrogen Sensor Package for On-Site Wastewater Treatment Systems (OWTS)	01/15/2018	128,790
Jackson, Eric D	NSF/National Science Foundation	SCC: Using Virtual Reality and Simulations to Evaluate the Technological and Social Dimensions of Smart and Connected Communities	02/28/2018	2,994,282
<b>Computer Science and Engineering</b>			<b>14 Proposals</b>	<b>\$19,137,717</b>
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Role of activin/myostatin signaling in the pathogenesis of osteogenesis imperfect	01/30/2018	425,894
Han, Song	NSF/National Science Foundation	CC* Integration: Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	01/30/2018	836,383
Shin, Dong	DHHS/NIH/National Institutes of Health	Identification of osteoprogenitor cell populations competent for in vivo bone formation by their transcriptomic profile	02/20/2018	3,421,908
Rajasekaran, Sanguthevar	DHHS/NIH/National Institutes of Health	Efficient Techniques for Healthcare Data Integration and Privacy	02/05/2018	2,934,665
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Chemo-Neoepitopes as Novel Tumor Antigens	02/09/2018	49,554
Michel, Laurent D	DOD/DARPA/Defense Advanced Research Projects Agency	HADOV: A Hierarchical Attack-Driven Optimization and Verification Synthesis of Secure Configurations for Distributed Systems	02/08/2018	5,068,714

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Hong, Seung-Hyun S	DHHS/NIH/National Institutes of Health	Assessing the Bioactivity of Mineralizing Tissues of the Joint	02/16/2018	439,823
Russell, Alexander	IOHK	IOHK Project	03/26/2018	23,312
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Skeletal Phenotyping of Komp Mice	03/15/2018	1,039,422
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Targeting Shared Chemo-Neopilopes for Cancer Immunotherapy	01/11/2018	374,045
Wu, Yufeng	NSF/CISE/Directorate for Computer and Information Science and Engineering	III: Small: Computational Methods for Analyzing Complex Genomes with Sequence Data	03/21/2018	12,480
Shin, Dong	DHHS/NIH/National Institutes of Health	Framework for Developing a Machine Learning System for Gene Expression Data Analysis	02/02/2018	1,777,133
Han, Song	NSF/National Science Foundation	CRI: II-New: A Hybrid Software-defined Industrial Internet-of-Things Tesbed	01/11/2018	749,635
Rajasekaran, Sanguthevar	DOD/Defense Threat Reduction Agency	Novel Algorithms and Wearable Technologies for Early Warning of Health Changes	01/29/2018	1,984,749
<b>Connecticut Transportation Institute</b>			<b>3 Proposals</b>	<b>\$640,226</b>
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Connecticut Advanced Pavement Lab FY16, FY17, FY18	02/21/2018	25,592
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Establishment of the Connecticut Advanced Pavement Lab FY19 and 20	03/29/2018	573,542
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Preparation of a Quality Management Plan for Pavement Condition Data in Connecticut	03/05/2018	41,092
<b>Electrical and Computer Engineering</b>			<b>12 Proposals</b>	<b>\$5,731,497</b>
Cao, Yang	NASA/National Aeronautics and Space Administration/United Technologies-Research Center	Partial Discharge Investigation for High Voltage DC (HVDC) Aerospace Electrical Systems	02/14/2018	100,000
Gokirmak, Ali	Semiconductor Research Corporation	Unified Electro-thermal and Dynamics Materials Modeling of Phase Change Memory Devices and Materials	03/21/2018	300,000
Pattipati, Krishna R	DOD/Navy/Department of the Navy	Atmospheric Effects Analysis and Prediction	03/23/2018	1,043,816
Zhang, Peng	NSF/National Science Foundation	Empowering Smart and Connected Communities through Programmable Community Microgrids	02/28/2018	2,947,420
Dani, Ashwin	NSF/National Science Foundation	NRI: FND: COLLAB: Towards Multi-Robot and FES Integration for Personal Assistive Robotics	02/20/2018	483,723
Bar-Shalom, Yaakov M	DOD/Missile Defense Agency	Radar and EO Systems Track Detection Algorithms for BDM	02/14/2018	
Park, Sung Yeul	NSF/ENG/Directorate for Engineering	CAREER: Enabling High Charging Efficiency and Long Life Cycle of High Power Battery Systems: Dynamic Battery Impedance Based Adaptive and Optimal Battery Charging Algorithms	03/29/2018	8,000
Cao, Yang	General Electric	Computation of Gas Dynamics in Low Voltage Circuit Breakers	01/31/2018	100,000
Bazzi, Ali	IMCORP	Noise-free Inverter	01/26/2018	44,636
Luh, Peter B	Clean Energy Smart Manufacturing Innovation Institute (CESMII)/Texas A&M University	Smart Production Management for Clean Energy Discrete Manufacturing	01/29/2018	154,165
Zhang, Peng	DOE/Brookhaven National Laboratory	Formal Analysis for Dynamic Stability Assessment of Large Interconnected Grids under Uncertainties	01/08/2018	399,737
Bazzi, Ali	Toyota Research Institute/Toyota Motor Engineering and Manufacturing North America	Machine Learning Approaches for IGBT Fault Prognosis and Diagnosis in Vehicular Inverters	01/02/2018	150,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Engineering Dean</b>			<b>1 Proposals</b>	<b>\$65,467</b>
Accorsi, Michael L	DOC/Economic Development Administration	Connecticut Undersea Supply Chain Consortium: AN Innovative Strategic Alliance to Enhance Competitiveness and Resiliency of Connecticut's Undersea Supplier Base	02/16/2018	65,467
<b>Materials Science and Engineering</b>			<b>13 Proposals</b>	<b>\$3,862,058</b>
Hebert, Rainer J	DOE/National Nuclear Security Administration	Mechanical Behavior and Microstructures of Additively Manufactured 17-4PH Stainless Steel and Tantalum Under Extreme Conditions	03/26/2018	776,583
Gao, Puxian	NASA/National Aeronautics and Space Administration/3D Array Technology	Oxygen Recovery using Nano-array integrated Catalytic Reactors	03/09/2018	40,000
Gao, Puxian	NASA/National Aeronautics and Space Administration/Advanced Manufacturing	Stannate Nanostructured Films for Space Deep UV Photodetection	03/09/2018	40,000
Singh, Prabhakar	DOE/Department of Energy/Giner	Development of Advanced Materials for Alkaline Electrochemical Systems	03/12/2018	40,000
Gao, Puxian	DOE/Department of Energy/Advanced Manufacturing	Fabrication of High Performance Stannate Nanostructured Photodetector Arrays with Tunable UV Responses	02/26/2018	89,001
Gao, Puxian	DOE/Department of Energy/3D Array Technology	Microwave Irradiation Intensified Process for Scalable Functional Device Assembly	02/26/2018	49,500
Gao, Puxian	DOD/Department of Defense/3D Array Technology	Low-Cost and Sustainable Flame-Resistant Nanostructured Coatings on Utility Fabrics	02/07/2018	75,000
Gao, Puxian	NSF/National Science Foundation	Metal Oxide Nano-array based Catalytic Converters for Low Temperature Emission Control	02/01/2018	734,765
Hebert, Rainer J	United Technologies-Pratt & Whitney	Computational and Experimental Studies of Laser-powder Interactions for Additive Manufacturing	01/29/2018	65,000
Singh, Prabhakar	DOE/Department of Energy	Phase II: Development of Chromium and Sulfur Getter for SOFC Systems: Demonstration at TRL-5	01/30/2018	1,000,000
Gao, Puxian	NSF/National Science Foundation	Template-guided Integration of Large-scale Arrays of Heterogeneous Nanoarchitectures	01/24/2018	299,999
Nakhmanson, Serge M	NSF/National Science Foundation	Unraveling the Effects of Size and Geometry on Electromechanical Response in Engineered Core-Shell Nanowires	01/24/2018	402,210
Gao, Puxian	DOE/Department of Energy/State University of New York, Buffalo	Development of Zeolite-Based Catalysts for Improved Low Temperature CH4 Conversion	01/18/2018	250,000
<b>Mechanical Engineering</b>			<b>23 Proposals</b>	<b>\$12,014,184</b>
Zhang, Dianyun	Ford Motor Company	An Experimentally Validated Constitutive Model for Fiber-Reinforced Rubber Hoses	02/01/2018	44,000
Matheou, Georgios	NSF/National Science Foundation	Low Cloud-Circulation Feedbacks	03/19/2018	358,067
Sung, Chih-Jen	Beihang University	Smoke Point and Threshold Scot Index Study of Conventional and Alternative Jet Fuel Blends	03/26/2018	10,003
Tasoglu, Savas	DHHS/NIH/National Institutes of Health/University of Chicago	Modeling human cortical motor neuron disease using 3D tissue co-cultures	03/02/2018	1,004,000
Nguyen, Thanh D	Moore (Gordon and Betty) Foundation	Advanced 3D Manufacturing of Transdermal Microneedles for Single-Administered Vaccines	03/05/2018	675,000
Pasaogullari, Ugur	DOE/Department of Energy/Sustainable Innovations	Materials for High Pressure Hydrogen Flow Meter	02/23/2018	49,920
Giblin, David	Advanced Robotics for Manufacturing (ARM) Institute	Connecticut Apprenticeship Program in Robotics and Automation (CAPRA)	02/15/2018	347,500
Cao, Chengyu	NSF/National Science Foundation	Cooperative Adaptation Enabled Intelligent Collaborative Robotic Networks	02/20/2018	281,085

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Li, Ying	NSF/National Science Foundation	Collaborative Research: Cyber Training: CIU: On-Demand, Scalable Training and Education in Computational Design and Manufacturing of Advanced Composite materials Through cdmHUB	02/14/2018	300,087
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	02/16/2018	442,750
Matheou, Georgios	NASA/National Aeronautics and Space Administration/NASA/Jet Propulsion Laboratory	Enhanced Levels of Emissions in Volcanically Active Tropical Ecosystems (ELEVATE)	02/15/2018	423,552
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	A novel injectable piezoelectric hydrogel for osteoarthritis treatment	02/16/2018	441,828
Cao, Chengyu	NSF/National Science Foundation	Control of Temperature Field Using Filtered High-gain Output Controller	01/24/2018	330,067
Zhang, Dianyun	NSF/National Science Foundation	Mechanics-Guided Design of Multi-Functional and Multi-Stimuli Responsive Stretchable Composites Via a Controlled Self-Folding Process	01/24/2018	478,444
Li, Ying	NSF/National Science Foundation	Unveiling Mechanistic Description of High Strength and Low Stiffness in Nanoscale Metal-Oxide Dispersed Polymeric Composite Through Integrated Multiscale modeling and Nanomechanical Experiments	01/24/2018	453,152
Sung, Chih-Jen	University of Hartford	AIAA Rocketry	01/22/2018	1,000
Pierce, David M	DHHS/NIH/National Institutes of Health	Accumulation of Microdamage and Loss of Function in Cartilage and Chondrocytes	02/05/2018	2,456,246
Cetegen, Baki	United Technologies-Pratt & Whitney	Studies on Premixed reacting Jets in Vitiated Crossflow: Study of Effects of Flame Attachment with Emphasis on Combustor Durability	01/24/2018	69,978
Fan, Tai-Hsi	NSF/National Science Foundation	Mesoscale Thermal-Fluid-Structural Analysis on Selective Laser Melting of Metallic Powders	01/24/2018	321,454
Tang, Jiong	NSF/National Science Foundation	Structural fault diagnosis and prognosis utilizing adaptive sensor-structure interaction: a physics-guided data analytics approach	01/24/2018	250,758
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	3D Manufacturing of Novel Transdermal Microneedles for Single-Administered Vaccines	02/05/2018	2,436,224
Chiu, Wilson K	DOE/Department of Energy	in situ Measurement and Validation of Uranium Molten Salt Properties at Operationally Relevant Temperatures	01/23/2018	799,979
Zhang, Dianyun	GKN Structures	A Multi-Physics and Multi-Scale Processing Model for Triaxially Braided Textile Composites	03/19/2018	39,090
<b>School of Fine Arts</b>			<b>3 Proposals</b>	<b>\$802,613</b>
<b>School of Fine Arts</b>			<b>3 Proposals</b>	<b>\$802,613</b>
Worwood, Matthew	CT Department of Economic and Community Development	Making Connections: Establishing a CT Digital Media Pipeline	03/23/2018	152,895
Scheinfeldt, Joseph T	Institute of Museum and Library Services	Greenhouse Studios/UConn Library "building Digital Scholarship" Post-MLIS Fellowship Program	02/01/2018	479,885
Stephens, Robert W	NEH/National Endowment for the Humanities	Gullah Voices: Traditions and Transformations	02/22/2018	169,833
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$100,000</b>
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$100,000</b>
Perkins, Lisa E	DOTR/Internal Revenue Service	Low Income Tax Payer Clinic	02/06/2018	100,000
<b>School of Nursing</b>			<b>15 Proposals</b>	<b>\$4,270,128</b>
<b>School of Nursing</b>			<b>15 Proposals</b>	<b>\$4,270,128</b>
Polifroni, Elizabeth C	American Association of Colleges of Nursing	2018-2020 UConn Jonas Scholars	03/23/2018	30,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Starkweather, Angela	University of Florida	Further Elucidating the Omic Signature of Psychoneurologic Symptoms in Breast Cancer	03/05/2018	73,309
Manister, Nancy N	DHHS/HRSA/Bureau of Health Workforce/Norwalk Community Health Center	Norwalk CHC - Norwalk Health Department - UConn Partnership to Improve Nurse Education, Practice, Quality and Retention for Registered Nurses in Primary Care	01/26/2018	663,472
Starkweather, Angela	Rockefeller University - Heilbrunn Family Center for Research Nursing	Assessing the Management of Pediatric Postsurgical Pain with Genetics	01/24/2018	20,050
Lucas, Ruth F	Moore (Gordon and Betty) Foundation	Additional Functionality to the Breastfeeding Diagnostic Device to Infant Outcomes	03/05/2018	675,000
Newlin, Kelley H	AstraZeneca	Family-Based, Combined Diabetes Prevention and Self-Management Program for Ethnic Ethnic Minorities	02/28/2018	150,000
Xu, Wanli	National Association of Neonatal Nurses	The impact of stress and gut inflammation on neurodevelopmental outcomes in preterm infants	02/27/2018	5,000
Young, Erin	University of Wisconsin, Madison	The Lifelong Impact of Stress & Allostatic Load in Adolescents with Food Allergy & Celiac Disease: A Pilot & Feasibility Study	02/26/2018	11,330
Delaney, Colleen	DHHS/NIH/National Institutes of Health	Randomized Trial Analysis of Self-Management Education and Coaching Impact on Quality of Life in Older Home Care Patients with Heart Failure	02/16/2018	460,732
Judge, Michelle P	DHHS/NIH/National Institutes of Health	Microblota-Gut-Brain Axis Interactions in Head and Neck Cancer Patients: Gut Microblota Diversity, Oral Mucositis Severity and Pain During Neoadjuvant TPF Chemotherapy	02/12/2018	246,236
Delaney, Colleen	National League for Nursing	Pilot Randomized Trials Analysis of Self-Management Education and Coaching Impact on Quality of Life in Older Home Care Patients with Heart Failure	02/07/2018	25,000
Alexander, Ivy M	DHHS/HRSA/Bureau of Health Workforce/Community Health Center	RN Path to PC: Creating the Primary Care Registered Nurse (RN) Workforce: Implementing a Learning and Practice Pathway for Students and Transitioning RNs to Primary Care	01/26/2018	290,000
Eaton, Carrie L	Society for Simulation in Healthcare	Experiences of Eating Disordered Thoughts and Actions	01/03/2018	10,000
Fontes, Alan	DHHS/Department of Health and Human Services/CT Department of Social Services	HIT EHR Incentive Program	02/20/2018	1,599,999
Polifroni, Elizabeth C	American Association of Colleges of Nursing	2018-2020 UConn Jonas Veteran Scholar	03/23/2018	10,000
<b>School of Pharmacy</b>			<b>27 Proposals</b>	<b>\$16,192,431</b>
<b>Pharmaceutical Sciences</b>			<b>21 Proposals</b>	<b>\$13,265,290</b>
Lu, Xiuling	DHHS/NIH/National Institutes of Health	Dual Delivery of Oxygen and Chemotherapy with Nanocapsules for Enhanced Chemoradiotherapy	02/05/2018	2,289,015
Bogner, Robin H	National Institute for Innovation in Manufacturing Biopharmaceuticals/National Institute of Pharmaceutical Technology and Education	Hardware and Software Tools for Pharmaceutical Process Scale-up	01/25/2018	73,933
Wilderman, Paul Ross	DHHS/NIH/National Institutes of Health	Structure-Guided Compound Re-Design to Re-Direct Cytochrome P450 Metabolism	02/05/2018	1,606,250
Hadden, Matthew K	DHHS/NIH/National Institutes of Health	Identification of Small Molecule Scaffolds that Modulate ATRX Function	02/02/2018	1,445,625
Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Elucidating the Consequences of Structural Fluidity in the Function of the Anti-Inflammatory Protein TNIP1	01/08/2018	10,000
Bogner, Robin H	American Foundation for Pharmaceutical Education	Development of a Raman Spectroscopic Method to Detect Protein Conformation in Amorphous Solids: Application to Protein Formulation and Stability	01/08/2018	10,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Developing Multi-targeting Agents Against Herpes Simplex 1	03/29/2018	150,000
Bahal, Raman	American Cancer Society	Next Generation Targeting of OncomiRs for Cancer Gene Therapy	03/30/2018	787,400
Wright, Dennis	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Targeting viral alkaline nucleases for the development of broad spectrum anti-herpesvirus therapeutics	03/27/2018	160,250
Rasmussen, Theodore	DHHS/NIH/National Heart, Lung, and Blood Institute	Regulation of Lipid and Cholesterol Homeostasis by Long Noncoding RNA	03/30/2018	1,597,325
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Discovering the cellular response to novel CB2 selective agonists for therapeutics	03/16/2018	440,875
Chaudhuri, Bodhisattwa	Pharmaceutical Research & Manufacturers of America (PhRMA) Foundation	Experimentally Validated Computational Modeling of Pharmaceutical Manufacturing Processes of Solid Dosage Forms	03/05/2018	35,000
Bahal, Raman	Melanoma Research Foundation	Next Generation Targeting of OncomiRs for Melanoma Therapy	03/01/2018	100,000
Bahal, Raman	DHHS/NIH/National Cancer Institute	Next Generation Targeted Delivery of AntimiR Probes for Cancer Therapy	02/20/2018	440,875
Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Soluble Epidermal Growth Factor Receptor Isoforms: Functional Roles and Potential Therapeutic Application in Rheumatoid Arthritis	02/26/2018	5,000
Bahal, Raman	American Foundation for Pharmaceutical Education	Targeted delivery of antimiR gamma PNAs for lymphoma therapy	02/26/2018	5,000
Bahal, Raman	Bayer	Site specific genome editing of Hematopoietic stem cells for Hemophilia B gene therapy	02/16/2018	63,617
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Cellular and Computational Rationale for CB1 Sequence Variation in Humans	02/16/2018	440,875
Bahal, Raman	Cooley's Anemia Foundation	New Generation Site Specific Genome Editing of Hematopoietic Stem Cells for Beta Thalassemia Gene Therapy	02/05/2018	32,500
Grant, David F	DHHS/NIH/National Institutes of Health	Exploring the feasibility of using femtosecond strong laser fields for metabolite structure identification	02/13/2018	440,875
Hadden, Matthew K	DHHS/NIH/National Institutes of Health	Inhibition of Translesion Synthesis as a Novel Strategy for Cancer Chemotherapy	02/05/2018	3,130,875
<b>Pharmacy Practice</b>			<b>6 Proposals</b>	<b>\$2,927,141</b>
Rickles, Nathaniel M	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Asthma Friendly Community Pharmacy Intervention Model	03/30/2018	6,500
Rickles, Nathaniel M	Patient-Centered Outcomes Research Institute (PCORI)/University of Connecticut Health Center	3D Team Care for Cognitively Vulnerable Older Adults	03/06/2018	4,652
Rickles, Nathaniel M	Patient-Centered Outcomes Research Institute (PCORI)	Face-to-Face vs Telephone Medication Therapy Management for Older Adults with Major Depression	02/06/2018	2,812,136
Holle, Lisa M	International Society of Oncology Pharmacy Practitioners (ISOPP)	Can Spinners Improve Understanding of Adverse Events in Patients with Cancer?	02/01/2018	8,037
Smith, Marie A	Community Pharmacy Foundation	A Needs Assessment to Characterize Community Pharmacist-Primary Care Medication Reconciliation Workflows and Communications	01/22/2018	30,651
Smith, Marie A	Community Pharmacy Foundation	Consumer Advocacy Partnerships to Expand and Sustain Community Pharmacist Patient Care Services	01/23/2018	65,165
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$2,440,258</b>
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$2,440,258</b>
Fendrich, Michael	DHHS/NIH/National Institutes of Health	Understanding PDMP Impact on Opioid and Benzodiazepine Use, Mortality, and Treatment	02/05/2018	1,166,515
Wilson, Cristina	Johnson (Robert Wood) Foundation	Health Policy Research Scholars Program	03/12/2018	120,000

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## Quarterly Proposal List by Academic Home Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Rodis, Eleni T	DHHS/SAMHSA/Center for Mental Health Services/CT Department of Mental Health and Addiction Services	Treatment for Individuals Experiencing Homelessness	03/02/2018	750,000
Smith, Tanya	New York Community Trust/Council on Social Work Education	National Social Worker Voter Mobilization Campaign Tripartite Collaboration	02/16/2018	20,000
Rodis, Eleni T	DHHS/NIH/National Institutes of Health/RTI International	Advancing the Quality of Alcohol Treatment by Leveraging Public Substance Use Disorder System Electronic Health Records	02/09/2018	383,743
<b>Academic and Service Programs</b>			<b>13 Proposals</b>	<b>\$7,614,887</b>
<b>Global Affairs</b>			<b>2 Proposals</b>	<b>\$1,234,998</b>
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY 2018 Young Southeast Asian Leaders Initiative (YSEALI) Academic Fellowship - Academic Exchange Program for Young Leaders from Southeast Asia	03/12/2018	1,200,000
Mitoma, Glenn T	Braitmayer Foundation	Upstander Academy	03/15/2018	34,998
<b>Provost &amp; Exec VP Academic Affairs</b>			<b>4 Proposals</b>	<b>\$5,497,732</b>
Alpay, Pamir	DOD/Air Force Research Laboratory	Simulation-Based Uncertainty Quantification of Manufacturing Technologies	03/23/2018	5,400,000
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health/University of South Carolina	Identifying Genetic Loci Associated with Neurocristopathies using the Deer Mouse, <i>Peromyscus maniculatus</i>	02/07/2018	54,712
O'Neill, Rachel J	NSF/National Science Foundation	Collaborative Research: Impact of a Novel Retrotransposon Expansion on Centromere Function	02/27/2018	38,020
Luciani, Joseph M	McCooe, Matthew	Product Design and Development for the Toothpaste Dispensing Experience	03/05/2018	5,000
<b>Student Activities</b>			<b>1 Proposals</b>	
DeVivo Brassaw, Gina	Jumpstart	Jumpstart Program at the University of Connecticut	03/19/2018	
<b>Unassigned Department</b>			<b>5 Proposals</b>	<b>\$782,157</b>
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS Gradient Rig	01/26/2018	150,000
Chazdon, Robin L	NSF/National Science Foundation	CNH: RCN: Linking research and practice in the restoration of resilient forest landscapes	01/23/2018	499,820
Laurencin, Cato	National Academies/University of Connecticut Health Center	Fortified novel Silk/Graphene/Zeolite-silver shape memory constructs for anticancer/bactericidal applications	03/02/2018	31,051
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux	03/15/2018	25,950
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux measurement of TBC with MW & LW IR cameras	01/26/2018	75,336
<b>Undergraduate Education</b>			<b>1 Proposals</b>	<b>\$100,000</b>
Ulloa, Susana	CT Department of Education	UConn College Access & Preparation Program	02/23/2018	100,000
<b>Vice President for Research</b>			<b>15 Proposals</b>	<b>\$6,333,834</b>
<b>Center for Environmental Sciences and Engineering</b>			<b>1 Proposals</b>	<b>\$255,000</b>
Willig, Michael R	NSF/National Science Foundation/University of Puerto Rico, San Juan	LTER: Luquillo LTER VI: Understanding Ecosystem Change in Northeastern Puerto Rico	02/28/2018	255,000
<b>Institute for Collaboration on Health, Intervention and Policy</b>			<b>2 Proposals</b>	<b>\$2,798,726</b>
Butler, Lisa M	DHHS/NIH/National Institute of Mental Health/University of California, San Francisco	Cognitive Behavioral and Structural HIV Prevention Intervention for Young Ugandan Women Engaging in High Risk Sexual Behavior	02/13/2018	36,102

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Hernandez, Dominica B	DHHS/NIH/National Institutes of Health	Stigma Mechanisms of Disparities for HIV-Cardiometabolic Comorbidities among African Americans	02/19/2018	2,762,624
<b>Institute of Materials Science</b>			<b>2 Proposals</b>	<b>\$79,207</b>
Sun, Luyi	NSF/ENG/Directorate for Engineering	Controlling Microstructure of Hybrid Thin Films through Flow-Induced Orientation	03/30/2018	16,000
Parnas, Richard S	REA Resource Recovery Systems	Critical Infrastructure: A National Security and Environmental Quality Double Play	02/23/2018	63,207
<b>Northeast Undersea Research Technology and Education Center</b>			<b>2 Proposals</b>	<b>\$51,559</b>
Auster, Peter J	National Marine Sanctuary Foundation	Virtual Reality Camera Technology: Sampling Interactions of Piscivores and Prey	02/01/2018	46,560
Joy, Kevin P	Barnes Foundation/American School for the Deaf	UConn Support for ASD STEM Initiative ROV & Engineering Design Program	03/02/2018	4,999
<b>Sea Grant College Program</b>			<b>5 Proposals</b>	<b>\$2,611,338</b>
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Development of a domesticated strain of the copepod Apocyclops panamensis for larval marine finfish nutrition in aquaculture	03/29/2018	585,746
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Enhancing Production and Economics of Land Based Coral Aquaculture	03/30/2018	747,118
Deguisse, Sylvain	Gulf of Mexico Research Initiative/National Marine Mammal Foundation	Consortium for Advanced Research on Marine Mammal Health Assessment (CARMMA)	01/24/2018	366,720
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	An Observational Network for Shellfish Aquaculture Resilience and Seafood Safety	03/29/2018	582,340
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Business Planning for Kelp Aquaculture in New England	03/28/2018	329,414
<b>Sponsored Programs</b>			<b>1 Proposals</b>	<b>\$238,005</b>
Kozma, Laura B	DOD/Air Force Research Laboratory	Powering the Air and Space Platforms of the Future Force: An Exploration of the Requirements and Challenges for Energy Generation, Conversion, and Delivery in the Air and Space	02/20/2018	238,005
<b>Technology Partnerships</b>			<b>1 Proposals</b>	<b>\$299,999</b>
Analoui, Mostafa	NSF/National Science Foundation	Type II: NSF I-Corps Site: Accelerate UConn	02/07/2018	299,999
<b>Vice President for Research</b>			<b>1 Proposals</b>	
Maric, Radenka	DOE/Advanced Research Projects Agency	Development of Improved Non-PBM Electrode Performance and Durability Through Catalyst Layer Design and Application	02/09/2018	
<b>University of Connecticut - Storrs &amp; Regional</b>			<b>408 Proposals</b>	<b>\$197,983,678</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

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
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
<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

\* 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
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
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

\* 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
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
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

\* 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
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
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

\* 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
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
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
Sajej, 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

\* 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
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
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>544 Proposals</b>	<b>\$329,352,685</b>

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

## 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>45 Proposals</b>	<b>\$12,366,997</b>
<b>Agricultural and Resource Economics</b>			<b>1 Proposals</b>	<b>\$38,150</b>
Fiala, Nathan	Wellspring Advisors	Qualitative Follow-up to Social Accountability and Service Delivery: Experimental Evidence from Uganda	01/16/2018	38,150
<b>Allied Health Sciences</b>			<b>2 Proposals</b>	<b>\$736,753</b>
Bureau, Paul J	CT Department of Labor/University of Connecticut Health Center	Occupational Health Clinics Grant-Occupational Health Clinics	02/14/2018	36,915
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	Building Habits Together: Feasibility Trial of an Integrated Mobile and Social Network Weight Loss Intervention	02/16/2018	699,838
<b>Animal Science</b>			<b>4 Proposals</b>	<b>\$137,159</b>
Amalaradjou, Mary A	Center for Produce Safety	Survival and Growth of Listeria Monocytogenes on Apples as Influenced by Common Storage Conditions Employed at the Apple Packing House	02/06/2018	84,877
Nadeau, Jenifer	Rails-To-Trails Conservancy	GAIT: Greenways Ambassadors in Training	01/31/2018	10,000
Tang, Young	Yale University	Develop High Throughput Assay for Screen of Chemical Compounds that Inhibit PRRSV and CD163 Interaction	03/05/2018	10,000
Tian, Xiuchun C	Cooper Surgical	Testing of Oocyte/Embryo Vitrification Device Designed by CooperSurgical, Inc.	02/13/2018	32,282
<b>Extension</b>			<b>6 Proposals</b>	<b>\$321,421</b>
Bartholomew, Candace L	EPA/Environmental Protection Agency/eXtension Foundation	UConn extension Pesticide Safety Education Program	01/08/2018	22,775
Dietz, Michael E	DOI/United States Geological Survey	State Water Resources Research Institute Program Fiscal Year 2018 Annual Application	01/18/2018	33,544
Gray, Sharon S	CT Department of Public Health/Connecticut Children's Medical Center	Newborn Screening Program	02/13/2018	205,722
Kelly, Miriah M	Innovation Growth Lab (NESTA)/CTNext	Exploring the use of RCT methodology to measure Innovation Places in Connecticut	01/16/2018	39,780
Valiquette, Edith L	DOJ/Department of Justice/National 4-H Council	CT 4-H Mentoring Project	03/30/2018	2,000
Valiquette, Edith L	Disney Conservation Fund/National 4-H Council	Connecting Urban Youth to Nature	01/29/2018	17,600
<b>Kinesiology</b>			<b>10 Proposals</b>	<b>\$283,346</b>
Burland, Julie P	National Athletic Trainers Association	Neuromuscular and Psychological Dysfunction: A Novel Multi-Faceted Approach for Evaluating Learned Helplessness After ACL Injury	02/13/2018	2,500
Casa, Douglas J	CamelBak Products	Hydration App Health Outcomes	03/16/2018	60,000
Casa, Douglas J	Hartford Public Schools, CT	Hartford Public Schools	03/23/2018	19,901
Casa, Douglas J	Hartford Public Schools, CT	Hartford Public Schools (SMSA)	03/23/2018	25,487
Casa, Douglas J	Westminster School	Westminster School	03/23/2018	30,084
Lee, Elaine	DOD/Department of Defense/University of Maryland	A Multi-Metabolite Sensor Array: Metabolic Profiling of the Soldier in the Field	02/09/2018	113,045
Lepley, Lindsey	Eastern Athletic Trainers' Association	Neuromuscular and Psychological Dysfunction: A Novel, Mixed-Methods Approach for Evaluating Learned Helplessness after ACL Injury	03/29/2018	10,000
Mazerolle, Stephanie M	National Athletic Trainers Association	Athletic Trainers in Positions of Leadership: Examining Career Development and Trajectories	02/15/2018	2,500

## Quarterly Proposal List by Managing Department

PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Mazerolle, Stephanie M	National Athletic Trainers Association	Organizational Conflict and Return-to-Play Pressures Faced by Athletic Trainers in the Secondary School Setting: A Comparison Across Employment Models	03/27/2018	9,886
Scarneo, Samantha	Eastern Athletic Trainers' Association	A National Evaluation of Best-Practice Policy Adoption in Secondary School Athletics	03/29/2018	9,943
<b>Natural Resources and the Environment</b>			<b>2 Proposals</b>	<b>\$1,379,471</b>
Anyah, Richard O	NSF/National Science Foundation	Hydroclimate Extremes Over the Horn of Africa and Nile Basin: Role of Large and Local Scale Forcing on Climate-Hydrology-Landuse Connections	02/13/2018	682,742
Helton, Ashley M	NSF/National Science Foundation	Groundwater Discharge of Legacy Nitrogen at the Scale of River Networks: Where are Steam Interface Sediments conduits or Filters?	01/23/2018	696,729
<b>Nutritional Sciences</b>			<b>11 Proposals</b>	<b>\$3,849,231</b>
Chun, Ock K.	Allen Foundation	Do Dietary Furocoumarins Increase Skin Cancer Risk? A Population-Based Cross-Sectional and Mortality Follow-Up Study	01/15/2018	73,766
Chun, Ock K.	California Table Grape Commission	Grape Prevents Aging-Associated Bone Loss by Inhibiting Formation of Advanced Oxidation Protein Products	02/01/2018	35,000
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Impact of Dietary Furocoumarin Exposure on Skin Cancer Development	02/27/2018	160,250
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Impact of Dietary Furocoumarin Exposure on Skin Cancer Development	02/16/2018	160,250
Chun, Ock K.	DHHS/NIH/National Institutes of Health	Is Lower Dietary Antioxidant Intake Associated with Greater Prostate Cancer Risk?	02/16/2018	440,875
Chun, Ock K.	DHHS/NIH/National Institutes of Health/Brown University	Citrus Intake and Melanoma	01/22/2018	409,014
Chun, Ock K.	Florida Department of Citrus	Longitudinal Study Assessing 100% OJ Intake on Anthropometric and Cardiometabolic Indicators and Healthy-Related Behaviors in U.S. Children	01/05/2018	352,446
Fernandez, Maria-Luz	Telomerase Activation Sciences (TA Sciences)	Dietary Supplement Effects on Metabolic Syndrome and Insulin Resistance. A Pilot Clinical Trial to Test the Effects of Efficacy	03/29/2018	4,304
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Gut-Derived Berry Metabolites and Inflammation	03/19/2018	1,612,951
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Nutritional Transcriptomics Approach for the Role of Astaxanthin in Liver Fibrosis	01/15/2018	159,500
Lee, Ji-Young	DHHS/NIH/National Institutes of Health	Role of Histone Deacetylase 4 in Alcoholic Liver Disease	02/13/2018	440,875
<b>Pathobiology</b>			<b>3 Proposals</b>	<b>\$5,338,205</b>
Deguisse, Sylvain	Gulf of Mexico Research Initiative/National Marine Mammal Foundation	Consortium for Advanced Research on Marine Mammal Health Assessment (CARMMA)	01/24/2018	366,720
Khan, Mazhar I	DHHS/NIH/National Institutes of Health	Preclinical Development of a Universal Influenza Nanovaccine	01/12/2018	4,927,150
Risatti, Guillermo	USDA/Agricultural Research Service	Procine Cytomegalovirus (pCMV) as a immunogenic Vector to Deliver Recombinant Antigens against Classical Swine Fever Virus (CSFV) Strain E2 and Porcine Reproduction and Respiratory Syndrome (PRRS) Virus Antigens	03/06/2018	44,335
<b>Plant Science and Landscape Architecture</b>			<b>6 Proposals</b>	<b>\$283,261</b>
Ellis, Donna R	USDA/Animal and Plant Health Inspection Service	Biological Control of Lily Leaf Beetle (Lilioceris Lili) in Connecticut	02/20/2018	11,320
Ellis, Donna R	USDA/Animal and Plant Health Inspection Service/CT Agricultural Experiment Station	Cooperative Agricultural Pest Survey (CAPS) for FY 2018	03/21/2018	15,000
Henderson, Jason J	New England Regional Turfgrass Foundation	The Effect of Turfgrass Seed Mixtures, Seeding Rate, and Mowing Timing on Weed Populations in Establishing Pesticide-Free Athletic Fields and Lawn Areas	03/08/2018	65,652

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
McAllister, Janet	USDA/National Institute of Food and Agriculture/University of Vermont	Coordinator, Professional Development Program, Northeast SARE	03/15/2018	172,952
Raudales Banegas, Rosa E	New England Floriculture	Preventing Clogging of Drip Irrigation Caused by Iron Precipitates	02/05/2018	5,000
Raudales Banegas, Rosa E	Quantum BioPower	Feasibility of Using Solid Waste from Quantum BioPower as Substrate for Plant Production in Containers	02/20/2018	13,337
<b>College of Liberal Arts and Sciences</b>			<b>128 Proposals</b>	<b>\$61,625,252</b>
<b>Anthropology</b>			<b>2 Proposals</b>	<b>\$56,256</b>
Singer, Merrill	NSF/National Science Foundation	Doctoral Dissertation Research Improvement Grant: Mosquitoes, Place, and Self: Local Responses to Prevention Programs for the Aedes aegypti Mosquito in Comayguela, Honduras	01/16/2018	24,561
Smith, Alexia	NSF/National Science Foundation	Fueling Socioeconomic Complexity: Fuel use and Fuel Economies During the Chalcolithic and Iron Ages of Northern Mesopotamia	03/02/2018	31,695
<b>Chemistry</b>			<b>10 Proposals</b>	<b>\$6,534,329</b>
Angeles-Boza, Alfredo M	NSF/National Science Foundation	MRI: Acquisition of a MALDI TOF/TOF System for Interdisciplinary Research and Training at the University of Connecticut	02/05/2018	366,346
Basu, Ashis K	DHHS/NIH/National Institutes of Health/University of Minnesota	DNA-Protein Cross-Links: Cellular Effects and Repair Mechanisms	01/12/2018	84,597
He, Jie	DHHS/NIH/National Institutes of Health/University of Maryland	Understanding the Role of Ligand Conformation in Nano-Bio Interactions	02/16/2018	151,058
He, Jie	Dreyfus (Camille and Henry) Foundation	Simple Polymer Mimics of Enzymes to Control Catalytic Activity of Metal Ions, Clusters and Nanoparticles	02/07/2018	75,000
Peczuh, Mark W	DHHS/NIH/National Institutes of Health	Ring Expanded Glycomimetic FimH Antagonists as Lead Compounds for anti-UTI Therapies	02/16/2018	396,412
Quardokus, Rebecca C	American Chemical Society	Hydrocarbon Micro-droplet Dynamics Determined through Surface Confinement of Trapped Kinetic States	03/15/2018	110,000
Quardokus, Rebecca C	Spectroscopy Society of Pittsburgh	Spatially-resolved Potential Energy Surface Maps of a Conducting Polymer by Potential Energy Surface Spectroscopy	03/05/2018	40,000
Rouge, Jessica	American Chemical Society/Petroleum Research Fund	Isolation of Ribonucleic Acid-Heme Conjugates Capable of Photocatalytic Oxidation of Sulfur-Containing Hydrocarbons in Co-Solvent Systems	03/15/2018	110,000
Rusling, James F	DHHS/NIH/National Institutes of Health	Highly Selective Nanoparticles for Antibody Binding and Purification	01/26/2018	2,443,950
Rusling, James F	DHHS/NIH/National Institutes of Health	Rapid Detection of Oral Cancer Metastatic Biomarker DSG3 in Lymph Nodes	03/05/2018	2,756,966
<b>Ecology and Evolutionary Biology</b>			<b>8 Proposals</b>	<b>\$9,042,323</b>
Chazdon, Robin L	NSF/National Science Foundation	CNH: RCN: Linking research and practice in the restoration of resilient forest landscapes	01/23/2018	499,820
Jockusch, Elizabeth L	NSF/National Science Foundation/Trinity College	IOS: EDGE: RUI: From non-model to near-model: developing a toolkit for bringing understudies arthropods online	01/23/2018	534,546
Knutie, Sarah A	DHHS/NIH/National Institutes of Health	Host Microbiota as a Mediator of Pesticides, Immune Responses, and Infectious Disease Risk	02/23/2018	2,126,470
Knutie, Sarah A	DHHS/NIH/National Institutes of Health/University of South Florida	Effects of Contaminants on Later-life Infectious Disease Risk Mediated by Early-life Disruption of the Developing Microbiome and Immune System	03/09/2018	582,424
Silander, John A	NASA/National Aeronautics and Space Administration	Detection of Biodiversity in the Greater Cape Floristic Region	02/01/2018	43,107

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Urban, Mark C	NSF/National Science Foundation	NRT-INFEWS: Building resilient landscapes for food, energy, water, and ecosystems in America's megalopolis	02/06/2018	2,999,989
Yuan, Yaowu	DHHS/NIH/National Institutes of Health	Genetic origin, developmental mechanism, and evolutionary process of a novel phenotype in Mimulus (monkeyflowers)	02/05/2018	1,771,801
Yuan, Yaowu	NSF/National Science Foundation/University of Georgia	IOS: EDGE: Enabling functional genomics in monkeyflowers (Mimulus)	01/23/2018	484,166
<b>Economics</b>			<b>2 Proposals</b>	<b>\$171,941</b>
Baggio, Michele	DHHS/NIH/National Institutes of Health/Georgia State University	Medical Marijuana Laws and Impact on Health Outcome	02/07/2018	161,941
Ross, Stephen L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	The University of Connecticut Study on Aging, Musculoskeletal Disorders and Work Capacity (UConn-SAM)	03/01/2018	10,000
<b>English</b>			<b>1 Proposals</b>	<b>\$11,617</b>
Deans, Tom	Burroughs Wellcome Fund/University of Connecticut Health Center	The UConn Health Writing program for Biomedical Science Trainees	03/02/2018	11,617
<b>Geography</b>			<b>2 Proposals</b>	<b>\$3,026,759</b>
Seth, Anji	NSF/National Science Foundation	NRT: Training Leaders in Translational Research at the Nexus of Weather, Water, and Well-Being	02/06/2018	2,999,832
Stephenson, Scott	NSF/National Science Foundation/Brown University	CNH-S: Modeling risk of transformative change in a coupled natural-human system at the Arctic ice edge	01/16/2018	26,927
<b>History</b>			<b>1 Proposals</b>	<b>\$64,374</b>
Baldwin, Peter C	NEH/National Endowment for the Humanities	The Impact of the Industrial Revolution on Hartford County	02/22/2018	64,374
<b>Human Development and Family Studies</b>			<b>3 Proposals</b>	<b>\$239,932</b>
Russell, Beth S	Connecticut Children's Medical Center	Center for Behavioral Health -- Research Assistant Position (Lincoln)	01/18/2018	54,684
Russell, Beth S	Connecticut Children's Medical Center	Center for Behavioral Health -- Research Assistant Position (Simpson)	01/18/2018	47,308
Super, Charles M	DHHS/ACF/Administration for Children and Families/CT Office of Early Childhood	Family Development Training: Effects on Agency Culture and Client Experience	01/16/2018	137,940
<b>Integrative Geoscience</b>			<b>2 Proposals</b>	<b>\$352,704</b>
Gillingham, Julie C	NSF/National Science Foundation	Collaborative Research: Climate-Lithospheric Interactions in Mountain Belts New Zealand (CLIMB NZ)	01/19/2018	262,533
Gillingham, Julie C	NSF/National Science Foundation/University of Iowa	Fingerprinting an Ancient Fluvial-to-Marine Transition Zone Using Facies Analysis, Chemostratigraphy, and Detrital Chronology	01/19/2018	90,171
<b>Marine Sciences</b>			<b>22 Proposals</b>	<b>\$6,170,802</b>
Auster, Peter J	National Marine Sanctuary Foundation	Virtual Reality Camera Technology: Sampling Interactions of Piscivores and Prey	02/01/2018	46,560
Baumann, Zofia A	Cape Cod Commercial Fishermen's Alliance	Mercury Analysis in Spiny Dogfish	02/14/2018	5,580
Baumann, Zofia A	Korean Federation for Environmental Movement (KFEM)/Citizens Institute for Environmental Studies (CIES)	Methylmercury and Total Mercury in Antarctic Seawater, Snow and Penguin Tissues	03/21/2018	19,994
Cabaniss, Joseph T	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Maine	Charter of R/V Connecticut for University of Maine - Wallinga Buoy Maintenance	03/22/2018	92,036
Cabaniss, Joseph T	DOC/NOAA/National Oceanic and Atmospheric Administration/University of Maine	Charter of the R/V Connecticut by UMaine for Buoy Maintenance	01/26/2018	92,036

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Cabaniss, Joseph T	EOM Offshore	Charter of the R/V Connecticut by EOM Offshore for Buoy Maintenance	01/26/2018	9,856
Cabaniss, Joseph T	NASA/National Aeronautics and Space Administration/Bigelow Laboratory for Ocean Sciences	Charter of the R/V Connecticut by Bigelow for Gulf of Maine Survey	01/26/2018	30,800
Cabaniss, Joseph T	NY State Department of Environmental Conservation (DEC)/Cornell University	Charter of the R/V Connecticut by Cornell for Buoy Maintenance	01/26/2018	26,400
Dam Guerrero, Hans G	EPA/Environmental Protection Agency/CT Department of Energy and Environmental Protection	LIS Mesozooplankton and Microzooplankton Identification and Analyses, 2018	01/26/2018	218,084
Dick O Donnell, Jennifer	DOC/NOAA/National Marine Fisheries Service	Beneficial Use of Dredged Material for Salt Marsh Restoration	03/06/2018	
Dierssen, Heidi M	NASA/National Aeronautics and Space Administration/NASA/Jet Propulsion Laboratory	Snow and Water Imaging Spectrometer	03/22/2018	26,905
Joy, Kevin P	Barnes Foundation/American School for the Deaf	UConn Support for ASD STEM Initiative ROV & Engineering Design Program	03/02/2018	4,999
Lin, Senjie	DOD/Navy/Department of the Navy	Development of phytoplankton metabolism and proliferation RNA sensors for early warning of harmful algal blooms	02/16/2018	1,146,797
Lin, Senjie	EPA/Environmental Protection Agency/CT Department of Energy and Environmental Protection	Identification of Phytoplankton Collected from Long Island Sound, 2018	01/22/2018	111,234
Lin, Senjie	NSF/National Science Foundation	EDGE: Transformation and CRISPR/Cas9 tools for studying gene function in dinoflagellates	01/26/2018	899,711
Mason, Robert	Hudson River Foundation	Evaluating the effect of ribbed mussels ( <i>Geukensia demissa</i> ) on the fate of inorganic and methylmercury in the Hackensack sub-estuarine system	03/19/2018	16,000
McManus, George B	NSF/National Science Foundation	Collaborative Research: Combining Single-Cell and Community 'Omics' to Assess Diversity and Function of Planktonic Ciliates	02/15/2018	493,685
Randolph, Kaylan L	NSF/National Science Foundation	Collaborative Research: Investigating the Contribution of Breaking Surface Gravity Waves to the Mixed Layer Under Open Ocean Conditions	02/15/2018	178,962
Siedlecki, Samantha A	DOC/NOAA/National Ocean Service	Forecasting Effects of Ocean Acidification on the Dungeness Crab Fishery: The Role of Thresholds Linked to Toxic Algal Blooms in Mediating Fishery Access	02/12/2018	946,239
Tobias, Craig R	DOD/Department of Defense	NTO and DNAN Transformations Quantified Using Enriched Stable Isotope Tracers	03/05/2018	842,011
Vaudrey, Jamie M	DOC/NOAA/National Oceanic and Atmospheric Administration/CT Department of Energy and Environmental Protection	UConn Department of Marine Sciences Technical Support Services in Support of the Designation of a CT NERR	02/06/2018	43,636
Vlahos, Epanante P	DOC/NOAA/National Ocean Service	Assessing the Resilience of Two Representative Coastal Systems Against Natural and Anthropogenic Thresholds	02/13/2018	919,277
<b>Mathematics</b>			<b>10 Proposals</b>	<b>\$446,762</b>
Baudoin, Fabrice	Simons Foundation	Topics in Smooth and non Smooth Analysis	01/31/2018	42,000
Ben Ari, Iddo	NSF/National Science Foundation	Research Workshops, UConn Special Semester in Probability	01/10/2018	68,762
Ben Ari, Iddo	Simons Foundation	Topics in Ergodicity of Markov Processes	01/31/2018	42,000
Fulger, Aurel-Mihai	Simons Foundation	Problems on Positivity in Algebraic Geometry	01/26/2018	42,000
Leykekhman, Dmitriy	Simons Foundation	Discrete Maximal Parabolic Regularity and Applications	01/26/2018	42,000
Lierl, Janna	Simons Foundation	Parabolic Equations on Metric Spaces	01/26/2018	42,000
Lozano-Robledo, Alvaro	Simons Foundation	Mordell-Weil Groups of Elliptic Curves	01/30/2018	42,000
Roby, Thomas	Simons Foundation	Dynamical Algebraic Combinatorics: Homomesy and Birational Liftings	01/31/2018	42,000



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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Sengupta, Ambar N	Simons Foundation	Geometric Structure from Gauge Theories and Infinite-dimensional Geometry	01/26/2018	42,000
Yan, Xiaodong	Simmons (Harold) Foundation	Turbulent Convection, Dislocation and Grain Boundaries	01/23/2018	42,000
<b>Molecular and Cell Biology</b>			<b>11 Proposals</b>	<b>\$5,513,778</b>
Alder, Nathan N	DHHS/NIH/National Institutes of Health	Development of multifunctionalized lipid nanoparticles for targeting chemotherapeutic drugs to brain tumors	02/27/2018	159,908
Alexandrescu, Andrei T	American Heart Association	Structures of critical nuclei and intermediates in IAPP amyloid misfolding	01/23/2018	300,000
Cole, James L	DHHS/NIH/National Institutes of Health	Regulation of PKR by Dimerization	02/16/2018	440,500
Goldhamer, David J	DHHS/NIH/National Institutes of Health	A new therapeutic approach for fibrodysplasia ossificans progressive based on ACVR1 over-expression	02/14/2018	440,500
Laufer, Hans	DOC/NOAA/National Oceanic and Atmospheric Administration	Enhanced Macroalgae Cultivation and Harvesting Should Reduce Severe Effects of Alkylphenolic Endocrine Disrupting Pollutants (including BPA) in Marine Vertebrates, Invertebrates and Algae of Long Island Sound	03/06/2018	
Lynes, Michael A	DHHS/NIH/National Institutes of Health	Extracellular Metallothionein as an Agent of Mammary Tumorigenesis	02/09/2018	421,240
Malone, John H	NSF/National Science Foundation	Dimensions US-South Africa: Sex Chromosomes, Sexual Dimorphism, and Species Diversification	02/28/2018	1,941,982
O'Neill, Michael J	DHHS/NIH/National Institutes of Health	Investigating Meiotic Breakdown in a Transgenic Mouse Targeting the Xlr3 Gene Family	02/16/2018	440,875
O'Neill, Rachel J	DHHS/NIH/National Institutes of Health/University of South Carolina	Identifying Genetic Loci Associated with Neurocristopathies using the Deer Mouse, <i>Peromyscus maniculatus</i>	02/07/2018	54,712
O'Neill, Rachel J	NSF/National Science Foundation	Collaborative Research: Impact of a Novel Retrotransposon Expansion on Centromere Function	02/27/2018	38,020
Zweifach, Adam	DHHS/NIH/National Institutes of Health	Screening for glycolysis inhibitors to use as chemical probes	02/05/2018	1,276,041
<b>Physics</b>			<b>12 Proposals</b>	<b>\$2,815,759</b>
Battersby, Cara	NASA/National Aeronautics and Space Administration	Observation and Simulation of High Mass Star Formation in Extreme Environments: A High-Redshift Analog Within the Milky Way	02/01/2018	43,107
Dutta, Niloy K	II-VI Foundation	VCSELS for Optical Communication	02/05/2018	87,012
Gibson, George N	NSF/National Science Foundation	Excitation of Molecules by Strong Laser Fields	03/26/2018	24,000
Joo, Kyungseon	DOE/Department of Energy/UChicago Argonne	Electroproduction with Nucleon and Nuclear Targets Using CLAS and CLAS12	01/19/2018	48,980
Roychoudhuri, Chandra S	NASA/National Aeronautics and Space Administration	Experimental validation for space as a stationary Complex Tension Field	03/19/2018	210,613
Sinkovic, Boris	DOE/Department of Energy/Los Alamos National Laboratory	Magnetic Topological Matter	01/26/2018	5,000
Tease, Katherine E	NASA/National Aeronautics and Space Administration	The Lensed Perspective: Searching for signatures of inside-out quenching	02/01/2018	45,000
Tease, Katherine E	NSF/National Science Foundation	IRES Track 1: Exploring New Horizons in the Observable Universe at the Cosmic Dawn C	01/30/2018	353,099
Trallero, Carlos	DOE/Department of Energy	Complete Photoionization Spectroscopy in the Attosecond Regime	02/07/2018	510,357
Trallero, Carlos	Los Alamos National Laboratory	Driven Quantum Matter	03/23/2018	798,831
Trump, Jonathan R	NASA/National Aeronautics and Space Administration	Light Echoes of Black Hole Growth	02/01/2018	45,000
Wuosmaa, Alan H	DOE/Department of Energy	Studies of Exotic Nuclei with Few-Nucleon Transfer Reactions	01/31/2018	644,760
<b>Physiology and Neurobiology</b>			<b>10 Proposals</b>	<b>\$13,227,505</b>

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Chen, Xinnian	Helmsley (Leona M. and Harry B.) Charitable Trust/Yale University	National Academies Summer Institute on Undergraduate Education	02/27/2018	33,786
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Understanding the Role on Minor Spliceosome in Regulation of Alternative Splicing	02/05/2018	3,396,401
Kanadia, Rahul N	DHHS/NIH/National Institutes of Health	Understanding the role of minor spliceosome in hypothalamic development and feeding behavior	02/05/2018	3,403,832
Sun, Jianjun	DHHS/NIH/National Institutes of Health	Physiological functions of female reproductive tract secretions	02/02/2018	2,008,750
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health	UConn Postbaccalaureate Research Education Program (PREP)	01/24/2018	1,808,592
Tzingounis, Anastasios	DHHS/NIH/National Institutes of Health/Northwestern University	Channelopathy-Associated Epilepsy Research Center	01/11/2018	538,345
Tzingounis, Anastasios	Simons Foundation/University of Illinois, Urbana-Champaign	De novo KCNQ2 mutations associated with autism and epileptic	02/21/2018	16,719
Wang, Li	American Heart Association	Novel miRNA-mediated regulation of hepatic lipid metabolism	02/01/2018	5,000
Wang, Li	VA/Connecticut Healthcare System	IPA VA Connecticut Healthcare System	02/01/2018	7,330
Wu, Jianguo	DHHS/NIH/National Institutes of Health	New microRNA-mediated bile acid metabolism and biliary liver fibrosis	02/05/2018	2,008,750
<b>Political Science</b>			<b>1 Proposals</b>	<b>\$49,947</b>
Perkoski, Evan J	Stanton Foundation	Stanton Foundation Course Development Proposal	02/07/2018	49,947
<b>Psychological Sciences</b>			<b>17 Proposals</b>	<b>\$12,788,193</b>
Barnes-Farrell, Janet L	DHHS/CDC/National Institute for Occupational Safety and Health/University of Connecticut Health Center	Aging, Musculoskeletal Disorder, and Work Capacity	02/27/2018	15,617
Dixon, James A	Templeton (John) Foundation	End-Directedness and the Origins of Life	01/31/2018	2,000,002
Green, James A	Haskins Laboratories	Administrative Supplement for Kenneth Pugh, PhD.	01/19/2018	25,406
Green, James A	Yale University	Release Time for Kenneth Pugh, Ph.D	01/19/2018	127,024
Hancock, Roeland	DHHS/NIH/National Institutes of Health/University of California, San Francisco	Intergenerational Neuroimaging of Language and Reading Networks Using a Natural Cross-Fostering Design	02/19/2018	1,915,461
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	Outreach CORE	03/29/2018	59,648
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	P&E Core	03/29/2018	28,385
Henning, Robert A	DHHS/CDC/National Institute for Occupational Safety and Health/University of Massachusetts, Lowell	Project B	03/29/2018	36,700
Naigles, Letitia	DHHS/NIH/National Institutes of Health	Early Predictors to School-Age Language: Individual and Interactional Child and Parent Factors	03/05/2018	2,019,562
Paxton, Alexandra E	NSF/National Science Foundation	Collaborative research: Capturing individual differences in learning in a massive video game data set	01/17/2018	348,059
Quinn, Diane M	Fahs-Beck Fund for Research and Experimentation	Food as Both Stress and Salve: Stress appraisals and coping strategies in response to palatable food cues among women with a spectrum of weight concern	03/23/2018	4,165
Salamone, John D	BlackThorn Therapeutics	Assesment of the Role of Kappa Opiod Receptor Function in Animal Models of Effort-Related Choice Behavior: Significance for Treating Motivational Dysfunctions	03/16/2018	96,255

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Salamone, John D	DHHS/NIH/National Institutes of Health	Atypical Dopamine Transport Inhibitors as Treatments for Motivational Dysfunction	02/16/2018	161,000
Salamone, John D	Neurocrine Biosciences/NeuroDetective International (NDI)	Characterization of a Novel Treatment for Parkinsonian Tremor	03/27/2018	40,845
Swadlow, Harvey A	DHHS/NIH/National Institutes of Health	Thalamocortical Processing of Visual Information During Alert and Non-Alert Brain States	03/02/2018	2,008,750
Volgushev, Maksim A	DHHS/NIH/National Institutes of Health	The role of heterosynaptic plasticity in regulating regimes of learning	02/05/2018	2,859,927
Volgushev, Maksim A	DHHS/NIH/National Institutes of Health/St. Joseph's Hospital and Medical Center	Active Vision During Natural Locomotion	03/01/2018	1,041,387
<b>Public Policy</b>			<b>1 Proposals</b>	<b>\$50,000</b>
Raissan, Kerri M	Peterson (Peter G) Foundation	Family, Maternal Work, and 2050	01/22/2018	50,000
<b>Speech, Language and Hearing Sciences</b>			<b>4 Proposals</b>	<b>\$409,197</b>
Myers, Emily	NSF/National Science Foundation	LOI Title: Individual differences in neural precision for speech processing	02/20/2018	
Theodore, Rachel	Massachusetts Institute of Technology	Collaborative Research: An Integrated Model of Phonetic Analysis and Lexical Access Based	02/01/2018	350,182
Theodore, Rachel	University of Louisville	Linking Natural Signal Statistics and Context Effects in Speech Perception	01/22/2018	25,183
Tufts, Jennifer	DHHS/NIH/National Institutes of Health/Creare	A Wireless Audiometric Headset that Integrates Hearing Testing, Education, and Personalized Hearing Protection Fitting	01/05/2018	33,832
<b>Statistics</b>			<b>9 Proposals</b>	<b>\$653,074</b>
Bar, Haim	DHHS/NIH/National Institutes of Health/Cornell University	RCT of maternal choline supplementation: offspring cognition, affect, and epigenome	01/25/2018	29,820
Chen, Ming-Hui	Merck/University of North Carolina, Chapel Hill	Methods for Interim Analysis with Incomplete Adjudication of Events	03/16/2018	60,738
Chen, Ming-Hui	United Technologies-Pratt & Whitney	V2500 & NEO Combustor Life Modeling	01/26/2018	100,000
Dey, Dipak K	DOD/Department of Defense/University of Florida	Retrieval of Edge and Plow Information in Power Grid Network following Massive Spatially Correlated Failure	02/27/2018	166,875
Harel, Ofer	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model/Round Two of Funding for Design and Test Assistance	03/05/2018	52,514
Wang, Xiaojing	Simons Foundation	Advances in Latent Traits Analysis for Large-Scale Complex Data	01/31/2018	42,000
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model - Round Two of Funding	03/01/2018	55,164
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	03/01/2018	75,038
Yan, Jun	DHHS/CMS/Centers for Medicare and Medicaid Services/University of Connecticut Health Center	State Innovation Model Quality Scorecard	03/01/2018	70,925
<b>NEAG School of Education</b>			<b>6 Proposals</b>	<b>\$1,733,748</b>
<b>Curriculum and Instruction</b>			<b>1 Proposals</b>	<b>\$1,800</b>
Campbell, David	ED/Department of Education/Central Connecticut State University	Connecticut Network of Science Educators and Preservice Teachers (CoNSEPT)	02/08/2018	1,800
<b>Education Dean</b>			<b>1 Proposals</b>	<b>\$416,699</b>
Cobb, Casey D	NSF/National Science Foundation/University of Maine	Research on Underrepresented Students in STEM	03/27/2018	416,699

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Educational Leadership</b>			<b>3 Proposals</b>	<b>\$1,115,255</b>
Castillo-Montoya, Milagros	Spencer Foundation/Columbia University	Reclaiming Teaching and Learning as the Core of Higher Education in Diverse Contexts	02/14/2018	244,843
Dougherty, Shaun M	ED/Institute of Education Sciences/American Institutes for Research	Expanding the Evidence Base for Career and Technical Education Network	03/30/2018	750,718
McGarry, Jennifer E	USDA/Food and Nutrition Service/CT Department of Social Services	Husky Sport	02/01/2018	119,694
<b>Educational Psychology</b>			<b>1 Proposals</b>	<b>\$199,994</b>
Hines, Erik M	NSF/National Science Foundation	Collaborative Research: Windows of Opportunity-Understanding Black Male Engineers in the Pursuit of Advanced Degrees	02/05/2018	199,994
<b>School of Business</b>			<b>1 Proposals</b>	<b>\$143,635</b>
<b>Operations &amp; Info Management</b>			<b>1 Proposals</b>	<b>\$143,635</b>
Shankar, Ramesh	NSF/National Science Foundation	Identifying and Quantifying Gamification Mechanisms that can motivate Experts to Share Technical Knowledge Through Online Electronic Communities	01/31/2018	143,635
<b>School of Engineering</b>			<b>129 Proposals</b>	<b>\$60,323,719</b>
<b>Biomedical Engineering</b>			<b>22 Proposals</b>	<b>\$4,643,312</b>
Chon, Ki H	DHHS/NIH/National Institute of General Medical Sciences/Jackson Laboratory	Graduate Research in Genomics	01/16/2018	38,383
Chon, Ki H	DOD/Navy/Naval Sea Systems Command (NAVSEA)/Duke University	Does Heart Rate Variability Predict Impairment of Operational Performance in Divers?	02/28/2018	59,468
Chon, Ki H	National Health Service/St. Bartholomew's Hospital	Treatment of New Onset Atrial Fibrillation in the ICU	03/09/2018	18,000
Hoshino, Kazunori	DHHS/NIH/National Institutes of Health	Multiwell plate-compatible, label-free morphological phenotyping of 3D micro tumors	02/28/2018	575,493
Hoshino, Kazunori	NSF/National Science Foundation	Promoting bone-implant integration with multiscale porous composite created by bioactive coating an inert metal	01/24/2018	399,963
Kaputa, David F	Baystate Medical Center	2018-2019 Clinical Engineering Internship Program at Baystate Medical Center	03/23/2018	93,053
Kaputa, David F	Boston Children's Hospital	2018-2019 Clinical Engineering Internship Program at Boston Children's Hospital	03/22/2018	47,266
Kaputa, David F	Brigham and Women's Hospital	2018-2019 Clinical Engineering Internship Program at Brigham & Women's Hospital	03/22/2018	47,266
Kaputa, David F	Crothall Healthcare	2018-2019 Clinical Engineering Internship Program at Crothall Healthcare	03/22/2018	72,630
Kaputa, David F	Hartford Hospital	2018-2019 Clinical Engineering Internship Program at Hartford Hospital	03/22/2018	108,562
Kaputa, David F	International Shared Services (ISS) Solutions	2017-2019 Clinical Engineering Internship at Geisinger Medical Center	03/23/2018	65,076
Kaputa, David F	International Shared Services (ISS) Solutions	2018-2020 Clinical Engineering Internship Program at Geisinger Medical Center	03/22/2018	52,183
Kaputa, David F	Kaiser (Henry J.) Family Foundation	2018-2020 Clinical Engineering Internship Program at Kaiser Foundation Hospitals	01/18/2018	128,593
Kaputa, David F	Massachusetts General Hospital	2018-2019 Clinical Engineering Internship Program at Massachusetts General Hospital	03/22/2018	72,630
Kaputa, David F	Middlesex Hospital	2018-2020 Clinical Engineering Internship Program at Middlesex Memorial Hospital	03/22/2018	95,669

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Kaputa, David F	Rhode Island Hospital	2018-2019 Clinical Engineering Internship Program at Rhode Island Hospital-Lifespan #2	03/23/2018	35,681
Kaputa, David F	Rhode Island Hospital	2018-2019 Clinical Engineering Internship Program at Rhode Island hospital-Lifespan #1	03/23/2018	72,882
Kaputa, David F	Stanford Children's Health	2018-2019 Clinical Engineering Internship Program at Standford Children's Health	03/29/2018	51,046
Kaputa, David F	UMass Memorial Medical Center	2018-2019 Clinical Engineering Internship Program at UMass Memorial Medical Center	03/29/2018	119,130
Shahbazmohamadi, Sina	NSF/National Science Foundation	Development of a High Throughput 3D Mapping System: Integrating Ultrafast Laser, Helium Ion Imaging and Machine Learning	02/05/2018	1,991,236
Shin, Yong Jun	DHHS/NIH/National Institutes of Health	A microservices-enabled event-driven statechart approach for clinical decision support	02/15/2018	440,875
Vanden Berg-Foels, Wendy	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	FGF2 regulation Joint Aging and Degenerative Disorders	01/25/2018	58,227
<b>Center for Clean Energy Engineering</b>			<b>17 Proposals</b>	<b>\$3,029,209</b>
Bazzi, Ali	IMCORP	Noise-free Inverter	01/26/2018	44,636
Bazzi, Ali	Toyota Research Institute/Toyota Motor Engineering and Manufacturing North America	Machine Learning Approaches for IGBT Fault Prognosis and Diagnosis in Vehicular Inverters	01/02/2018	150,000
Kim, Jeongho	United Technologies-Pratt & Whitney	UConn - Compression Systems: Composites Manufacturing, Analysis and Test	01/09/2018	68,736
Kozma, Laura B	DOD/Air Force Research Laboratory	Powering the Air and Space Platforms of the Future Force: An Exploration of the Requirements and Challenges for Energy Generation, Conversion, and Delivery in the Air and Space	02/20/2018	238,005
Lei, Yu	NSF/National Science Foundation	Collaborative Research: Nanomanufacturing from Chaotic State to Ordered Nano-assembly to Integrated Functional System	01/24/2018	251,276
Matheou, Georgios	NSF/National Science Foundation	Low Cloud-Circulation Feedbacks	03/19/2018	358,067
Park, Sung Yeul	NSF/ENG/Directorate for Engineering	CAREER: Enabling High Charging Efficiency and Long Life Cycle of High Power Battery Systems: Dynamic Battery Impedance Based Adaptive and Optimal Battery Charging Algorithms	03/29/2018	8,000
Pasaogullari, Ugur	DOE/Department of Energy/Sustainable Innovations	Materials for High Pressure Hydrogen Flow Meter	02/23/2018	49,920
Singh, Prabhakar	DOE/Department of Energy	Phase II: Development of Chromium and Sulfur Getter for SOFC Systems: Demonstration at TRL-5	01/30/2018	1,000,000
Singh, Prabhakar	DOE/Department of Energy/Giner	Development of Advanced Materials for Alkaline Electrochemical Systems	03/12/2018	40,000
Srivastava, Ranjan	DOE/Department of Energy/Sustainable Energy Development Authority (SEDA)	Integrated Electrochemical-BioProcess for Production of High-Value Hydrocarbons from Waste CO2	02/26/2018	40,000
Valla, Ioulia	DOE/Department of Energy/Physical Sciences	Structurally Precise Nanoparticle Catalysts for Selective Oxidation Prepared in Supercritical Carbon Dioxide	02/16/2018	23,178
Valla, Ioulia	Doosan Fuel Cell America	HDS Catalyst Testing	02/12/2018	107,787
Valla, Ioulia	NSF/National Science Foundation	Collaborative Research: Manufacturing Nanoreactors: A Scalable, Facile, Chemistry within a Droplet Method for the Development of Hollow Structures with Encapsulated Active Sites	01/24/2018	226,974
Willis, Brian G	NSF/ENG/Directorate for Engineering	Tunable Plasmic Nanostructures by Atomic Layer Deposition	03/23/2018	6,000
Willis, Brian G	NSF/National Science Foundation	Fast Spatial ALD for Complex Optical Film Stacks	01/23/2018	377,540

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Zhang, Dianyun	GKN Structures	A Multi-Physics and Multi-Scale Processing Model for Triaxially Braided Textile Composites	03/19/2018	39,090
<b>Chemical and Biomolecular Engineering</b>			<b>8 Proposals</b>	<b>\$3,702,397</b>
Bollas, Georgios	DOE/Department of Energy/Precision Combustion	Material Development for Thermal-Based Carbon Capture	02/23/2018	30,000
Burke, Kelly A	American Chemical Society/Petroleum Research Fund	Designing Polymer Morphology to Enhance Reversible Adhesion in Supramolecular Assemblies	03/16/2018	110,000
Cho, Yongku P	DHHS/NIH/National Institutes of Health	Design and standardization of antibodies targeting protein post-translational modifications	02/16/2018	440,500
Escobar Ivirico, Jorge L	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Precision Breast Cancer Therapy Utilizing Genomics-Driven Immunoproteomics	01/15/2018	399,996
Pascal, Jennifer A	NSF/National Science Foundation	Research Initiation: Development of a Game-Based Engineering Ethics Activity - A Playful Approach to Ethical Reasoning Development	02/22/2018	199,943
Srivastava, Ranjan	DHHS/NIH/National Institutes of Health/Health E-sense	Breath Sensor Technology to Screen for Nonalcoholic Fatty Liver Disease (NAFLD)	01/05/2018	46,000
Srivastava, Ranjan	DOE/Department of Energy/University of Maryland, Baltimore County	Multi-omic data driven modeling of Y. lipolytica gene regulation to increase lipid production	03/15/2018	244,679
Wagstrom, Kristina	DHHS/NIH/National Institutes of Health	Mitigating Exposures During Outdoor Activities and Active Commuting	02/27/2018	2,231,279
<b>Civil and Environmental Engineering</b>			<b>14 Proposals</b>	<b>\$6,254,782</b>
Chrysochoou, Maria	Environmental Professionals' Organization of Connecticut (EPOC)	GIS Development for Connecticut Brownfields	03/15/2018	3,594
Chrysochoou, Maria	L'Oreal USA	Fate and transport of perfluorinated organic compounds in the environment: an innovative modeling approach	02/02/2018	60,000
Chrysochoou, Maria	NSF/National Science Foundation	A Bottom-up Approach to Design of Chemical Soil Stabilization Using Thermodynamic Modeling	03/02/2018	16,000
Jackson, Eric D	/CT Department of Transportation	2018 Northeast Connected and Autonomous Vehicle Summit	02/09/2018	37,571
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	2018 Northeast Connected and Autonomous Vehicle Summit	02/09/2018	37,571
Kirchhoff, Christine	NSF/National Science Foundation/Wright State University	CNH-L: Collaborative Research: From farm management to toxic blooms: A modern approach to assessing the role of nitrogen in Lake Erie's coupled ecological and human systems	01/22/2018	260,584
Li, Baikun	Infiltrator Water Technologies	Validation of Milli-electrode Array (MEA) as Real-time In Situ Nitrogen Sensor Package for On-Site Wastewater Treatment Systems (OWTS)	01/15/2018	128,790
Li, Baikun	USAID/US Agency for International Development/National Academy of Sciences	New Generation of Microbial Cultures to Improve Food Quality and Safety	01/16/2018	190,000
Wang, Guiling	NSF/National Science Foundation	CNH-L: Understanding the Dynamics of the Coupled Climate-Agriculture Systems in West Africa	01/23/2018	1,596,533
Zhang, Wei	NSF/ENG/Directorate for Engineering	Collaborative Research: Probabilistic Hierarchical Multi-Scale Damage Prognosis of Slender Coastal Bridges	03/06/2018	16,000
Zhang, Wei	NSF/National Science Foundation	CRISP2.0 Type 2: Collaborative Research: An Integrated Agent Based Modeling and Machine Learning System for Interdependent Critical Infrastructures of Nuclear Reactors and Water System	03/07/2018	1,550,000
Zhang, Wei	NSF/National Science Foundation	Hybrid Physics-Based and Data-Informed Modeling and Machine Learning Systems for Critical Chemical Infrastructures	02/20/2018	2,000,001

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Zhang, Wei	National Academies	Gulf Research Program Fellowship	03/06/2018	76,000
Zhu, Jin	NSF/National Science Foundation/Florida International University	Smart Resilience - The Case of Miami	02/27/2018	282,138
<b>Computer Science and Engineering</b>			<b>14 Proposals</b>	<b>\$19,137,717</b>
Han, Song	NSF/National Science Foundation	CC* Integration: Enabling Micro-Level Local Area Network Monitoring and Analysis for Data Intensive Sciences	01/30/2018	836,383
Han, Song	NSF/National Science Foundation	CRI: II-New: A Hybrid Software-defined Industrial Internet-of-Things Tesbed	01/11/2018	749,635
Hong, Seung-Hyun S	DHHS/NIH/National Institutes of Health	Assessing the Bioactivity of Mineralizing Tissues of the Joint	02/16/2018	439,823
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Chemo-Neopeptides as Novel Tumor Antigens	02/09/2018	49,554
Mandoiu, Ion I	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Targeting Shared Chemo-Neopitopes for Cancer Immunotherapy	01/11/2018	374,045
Michel, Laurent D	DOD/DARPA/Defense Advanced Research Projects Agency	HADOV: A Hierarchical Attack-Driven Optimization and Verification Synthesis of Secure Configurations for Distributed Systems	02/08/2018	5,068,714
Rajasekaran, Sanguthevar	DHHS/NIH/National Institutes of Health	Efficient Techniques for Healthcare Data Integration and Privacy	02/05/2018	2,934,665
Rajasekaran, Sanguthevar	DOD/Defense Threat Reduction Agency	Novel Algorithms and Wearable Technologies for Early Warning of Health Changes	01/29/2018	1,984,749
Russell, Alexander	IOHK	IOHK Project	03/26/2018	23,312
Shin, Dong	DHHS/NIH/National Institutes of Health	Framework for Developing a Machine Learning System for Gene Expression Data Analysis	02/02/2018	1,777,133
Shin, Dong	DHHS/NIH/National Institutes of Health	Identification of osteoprogenitor cell populations competent for in vivo bone formation by their transcriptomic profile	02/20/2018	3,421,908
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Role of activin/myostatin signaling in the pathogenesis of osteogenesis imperfect	01/30/2018	425,894
Shin, Dong	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Skeletal Phenotyping of Komp Mice	03/15/2018	1,039,422
Wu, Yufeng	NSF/CISE/Directorate for Computer and Information Science and Engineering	III: Small: Computational Methods for Analyzing Complex Genomes with Sequence Data	03/21/2018	12,480
<b>Connecticut Transportation Institute</b>			<b>9 Proposals</b>	<b>\$4,929,080</b>
Christenson, Richard	NSF/National Science Foundation	IRES Track II/Collaborative Research: PREEMPTIVE Multidisciplinary Natural Hazards Engineering Institute Series for Advanced Graduate Students	02/06/2018	323,642
Cohen, Jeffrey	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Impacts of the CTrail Hartford Line on Real Estate and Urban Economic Development: Phase 1	02/15/2018	262,381
Ivan, John N	National Academies	NCHRP 17-85: Development and Application of Crash Severity Models for the Highway Safety Manual	01/18/2018	600,000
Jackson, Eric D	DOT/Department of Transportation/CT Department of Transportation	Hardware and Software Support for the CT DRE Program	02/15/2018	58,617
Jackson, Eric D	DOT/Department of Transportation/New England Transportation Consortium	NETC QR17-1: "Quick Response: New England Connect Automated Vehicles"	02/01/2018	49,932
Jackson, Eric D	NSF/National Science Foundation	SCC: Using Virtual Reality and Simulations to Evaluate the Technological and Social Dimensions of Smart and Connected Communities	02/28/2018	2,994,282
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Connecticut Advanced Pavement Lab FY16, FY17, FY18	02/21/2018	25,592

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Establishment of the Connecticut Advanced Pavement Lab FY19 and 20	03/29/2018	573,542
Mahoney, James M	DOT/Federal Highway Administration (FHA)/CT Department of Transportation	Preparation of a Quality Management Plan for Pavement Condition Data in Connecticut	03/05/2018	41,092
<b>Electrical and Computer Engineering</b>			<b>6 Proposals</b>	<b>\$4,929,124</b>
Bar-Shalom, Yaakov M	DOD/Missile Defense Agency	Radar and EO Systems Track Detection Algorithms for BDM	02/14/2018	
Dani, Ashwin	NSF/National Science Foundation	NRI: FND: COLLAB: Towards Multi-Robot and FES Integration for Personal Assistive Robotics	02/20/2018	483,723
Gokirmak, Ali	Semiconductor Research Corporation	Unified Electro-thermal and Dynamics Materials Modeling of Phase Change Memory Devices and Materials	03/21/2018	300,000
Luh, Peter B	Clean Energy Smart Manufacturing Innovation Institute (CESMII)/Texas A&M University	Smart Production Management for Clean Energy Discrete Manufacturing	01/29/2018	154,165
Pattipati, Krishna R	DOD/Navy/Department of the Navy	Atmospheric Effects Analysis and Prediction	03/23/2018	1,043,816
Zhang, Peng	NSF/National Science Foundation	Empowering Smart and Connected Communities through Programmable Community Microgrids	02/28/2018	2,947,420
<b>Engineering Dean</b>			<b>2 Proposals</b>	<b>\$70,467</b>
Accorsi, Michael L	DOC/Economic Development Administration	Connecticut Undersea Supply Chain Consortium: AN Innovative Strategic Alliance to Enhance Competitiveness and Resiliency of Connecticut's Undersea Supplier Base	02/16/2018	65,467
Luciani, Joseph M	McCooe, Matthew	Product Design and Development for the Toothpaste Dispensing Experience	03/05/2018	5,000
<b>Eversource Energy Center</b>			<b>6 Proposals</b>	<b>\$903,975</b>
Anagnostou, Emmanouil N	NASA/National Aeronautics and Space Administration	Using Earth Observation Datasets to Predict the Severity of Extreme Weather Impacts on an Electrical Infrastructure	03/20/2018	1
Anagnostou, Emmanouil N	NASA/National Aeronautics and Space Administration	Using satellite data and climate models to investigate the impact of climate change on extreme precipitation events - demonstration over the Northeast US	02/01/2018	45,000
Parent, Jason R	Eversource	Substation Physical Security - Detection of UAVs (Phase I)	01/11/2018	150,000
Pena Mendez, Malaquias	DOC/NOAA/National Oceanic and Atmospheric Administration	A scalable weather-health preparedness system: optimization and evaluation for heat and cold waves	03/16/2018	284,237
Shen, Xinyi	Housatonic Valley Association	Planning for Climate Resilient and Fish-Friendly Road/Stream Crossings	01/03/2018	25,000
Zhang, Peng	DOE/Brookhaven National Laboratory	Formal Analysis for Dynamic Stability Assessment of Large Interconnected Grids under Uncertainties	01/08/2018	399,737
<b>Materials Science and Engineering</b>			<b>5 Proposals</b>	<b>\$1,374,264</b>
Gao, Puxian	DOE/Department of Energy/3D Array Technology	Microwave Irradiation Intensified Process for Scalable Functional Device Assembly	02/26/2018	49,500
Gao, Puxian	DOE/Department of Energy/State University of New York, Buffalo	Development of Zeolite-Based Catalysts for Improved Low Temperature CH4 Conversion	01/18/2018	250,000
Gao, Puxian	NASA/National Aeronautics and Space Administration/3D Array Technology	Oxygen Recovery using Nano-array integrated Catalytic Reactors	03/09/2018	40,000
Gao, Puxian	NSF/National Science Foundation	Metal Oxide Nano-array based Catalytic Converters for Low Temperature Emission Control	02/01/2018	734,765
Gao, Puxian	NSF/National Science Foundation	Template-guided Integration of Large-scale Arrays of Heterogeneous Nanoarchitectures	01/24/2018	299,999



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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>Mechanical Engineering</b>			<b>22 Proposals</b>	<b>\$11,018,414</b>
Cao, Chengyu	NSF/National Science Foundation	Control of Temperature Field Using Filtered High-gain Output Controller	01/24/2018	330,067
Cao, Chengyu	NSF/National Science Foundation	Cooperative Adaptation Enabled Intelligent Collaborative Robotic Networks	02/20/2018	281,085
Cetegen, Baki	United Technologies-Pratt & Whitney	Studies on Premixed reacting Jets in Vitiated Crossflow: Study of Effects of Flame Attachment with Emphasis on Combustor Durability	01/24/2018	69,978
Fan, Tai-Hsi	NSF/National Science Foundation	Mesoscale Thermal-Fluid-Structural Analysis on Selective Laser Melting of Metallic Powders	01/24/2018	321,454
Giblin, David	Advanced Robotics for Manufacturing (ARM) Institute	Connecticut Apprenticeship Program in Robotics and Automation (CAPRA)	02/15/2018	347,500
Jordan, Eric H	United Technologies-Pratt & Whitney	CMAS Gradient Rig	01/26/2018	150,000
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux	03/15/2018	25,950
Jordan, Eric H	United Technologies-Pratt & Whitney	Direct Heat Flux measurement of TBC with MW & LW IR cameras	01/26/2018	75,336
Li, Ying	NSF/National Science Foundation	Collaborative Research: Cyber Training: CIU: On-Demand, Scalable Training and Education in Computational Design and Manufacturing of Advanced Composite materials Through cdmHUB	02/14/2018	300,087
Li, Ying	NSF/National Science Foundation	Unveiling Mechanistic Description of High Strength and Low Stiffness in Nanoscale Metal-Oxide Dispersed Polymeric Composite Through Integrated Multiscale modeling and Nanomechanical Experiments	01/24/2018	453,152
Matheou, Georgios	NASA/National Aeronautics and Space Administration/NASA/Jet Propulsion Laboratory	Enhanced Levels of Emissions in Volcanically Active Tropical Ecosystems (ELEVATE)	02/15/2018	423,552
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	3D Manufacturing of Novel Transdermal Microneedles for Single-Administered Vaccines	02/05/2018	2,436,224
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	A novel injectable piezoelectric hydrogel for osteoarthritis treatment	02/16/2018	441,828
Nguyen, Thanh D	DHHS/NIH/National Institutes of Health	Biodegradable and Biocompatible Piezoelectric Nanofiber Mat for Wound Dressing	02/16/2018	442,750
Nguyen, Thanh D	Moore (Gordon and Betty) Foundation	Advanced 3D Manufacturing of Transdermal Microneedles for Single-Administered Vaccines	03/05/2018	675,000
Pierce, David M	DHHS/NIH/National Institutes of Health	Accumulation of Microdamage and Loss of Function in Cartilage and Chondrocytes	02/05/2018	2,456,246
Sung, Chih-Jen	Beihang University	Smoke Point and Threshold Scot Index Study of Conventional and Alternative Jet Fuel Blends	03/26/2018	10,003
Sung, Chih-Jen	University of Hartford	AIAA Rocketry	01/22/2018	1,000
Tang, Jiong	NSF/National Science Foundation	Structural fault diagnosis and prognosis utilizing adaptive sensor-structure interaction: a physics-guided data analytics approach	01/24/2018	250,758
Tasoglu, Savas	DHHS/NIH/National Institutes of Health/University of Chicago	Modeling human cortical motor neuron disease using 3D tissue co-cultures	03/02/2018	1,004,000
Zhang, Dianyun	Ford Motor Company	An Experimentally Validated Constitutive Model for Fiber-Reinforced Rubber Hoses	02/01/2018	44,000
Zhang, Dianyun	NSF/National Science Foundation	Mechanics-Guided Design of Multi-Functional and Multi-Stimuli Responsive Stretchable Composites Via a Controlled Self-Folding Process	01/24/2018	478,444
<b>UTC Institute for Advanced Systems Engineering</b>			<b>4 Proposals</b>	<b>\$330,978</b>
Bollas, Georgios	DOE/Department of Energy/Physical Sciences	A Novel Process for Low-Cost Production of Carbon Black from Coal	02/13/2018	50,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Bollas, Georgios	Doosan Fuel Cell America	Model-Based Control Design Platform for Doosan Thermal Management Systems	01/16/2018	103,410
Bollas, Georgios	Doosan Fuel Cell America	Sulfur Slip Detection in Doosan Power Systems	01/16/2018	87,570
Bollas, Georgios	United Technologies-Research Center	Development and Demonstration of Tools and Methods for Linked Data Infrastructure for Smart Manufacturing	03/29/2018	89,998
<b>School of Fine Arts</b>			<b>3 Proposals</b>	<b>\$802,613</b>
<b>School of Fine Arts</b>			<b>3 Proposals</b>	<b>\$802,613</b>
Scheinfeldt, Joseph T	Institute of Museum and Library Services	Greenhouse Studios/UConn Library "building Digital Scholarship" Post-MLIS Fellowship Program	02/01/2018	479,885
Stephens, Robert W	NEH/National Endowment for the Humanities	Gullah Voices: Traditions and Transformations	02/22/2018	169,833
Worwood, Matthew	CT Department of Economic and Community Development	Making Connections: Establishing a CT Digital Media Pipeline	03/23/2018	152,895
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$100,000</b>
<b>School of Law</b>			<b>1 Proposals</b>	<b>\$100,000</b>
Perkins, Lisa E	DOTR/Internal Revenue Service	Low Income Tax Payer Clinic	02/06/2018	100,000
<b>School of Nursing</b>			<b>15 Proposals</b>	<b>\$4,270,128</b>
<b>School of Nursing</b>			<b>15 Proposals</b>	<b>\$4,270,128</b>
Alexander, Ivy M	DHHS/HRSA/Bureau of Health Workforce/Community Health Center	RN Path to PC: Creating the Primary Care Registered Nurse (RN) Workforce: Implementing a Learning and Practice Pathway for Students and Transitioning RNs to Primary Care	01/26/2018	290,000
Delaney, Colleen	DHHS/NIH/National Institutes of Health	Randomized Trial Analysis of Self-Management Education and Coaching Impact on Quality of Life in Older Home Care Patients with Heart Failure	02/16/2018	460,732
Delaney, Colleen	National League for Nursing	Pilot Randomized Trials Analysis of Self-Management Education and Coaching Impact on Quality of Life in Older Home Care Patients with Heart Failure	02/07/2018	25,000
Eaton, Carrie L	Society for Simulation in Healthcare	Experiences of Eating Disordered Thoughts and Actions	01/03/2018	10,000
Fontes, Alan	DHHS/Department of Health and Human Services/CT Department of Social Services	HIT EHR Incentive Program	02/20/2018	1,599,999
Judge, Michelle P	DHHS/NIH/National Institutes of Health	Microblota-Gut-Brain Axis Interactions in Head and Neck Cancer Patients: Gut Microblota Diversity, Oral Mucositis Severity and Pain During Neoadjuvant TPF Chemotherapy	02/12/2018	246,236
Lucas, Ruth F	Moore (Gordon and Betty) Foundation	Additional Functionality to the Breastfeeding Diagnostic Device to Infant Outcomes	03/05/2018	675,000
Manister, Nancy N	DHHS/HRSA/Bureau of Health Workforce/Norwalk Community Health Center	Norwalk CHC - Norwalk Health Department - UConn Partnership to Improve Nurse Education, Practice, Quality and Retention for Registered Nurses in Primary Care	01/26/2018	663,472
Newlin, Kelley H	AstraZeneca	Family-Based, Combined Diabetes Prevention and Self-Management Program for Ethnic Ethnic Minorities	02/28/2018	150,000
Polifroni, Elizabeth C	American Association of Colleges of Nursing	2018-2020 UConn Jonas Scholars	03/23/2018	30,000
Polifroni, Elizabeth C	American Association of Colleges of Nursing	2018-2020 UConn Jonas Veteran Scholar	03/23/2018	10,000
Starkweather, Angela	Rockefeller University - Heilbrunn Family Center for Research Nursing	Assessing the Management of Pediatric Postsurgical Pain with Genetics	01/24/2018	20,050

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Starkweather, Angela	University of Florida	Further Elucidating the Omic Signature of Psychoneurologic Symptoms in Breast Cancer	03/05/2018	73,309
Xu, Wanli	National Association of Neonatal Nurses	The impact of stress and gut inflammation on neurodevelopmental outcomes in preterm infants	02/27/2018	5,000
Young, Erin	University of Wisconsin, Madison	The Lifelong Impact of Stress & Allostatic Load in Adolescents with Food Allergy & Celiac Disease: A Pilot & Feasibility Study	02/26/2018	11,330
<b>School of Pharmacy</b>			<b>25 Proposals</b>	<b>\$16,177,894</b>
<b>Pharmaceutical Sciences</b>			<b>21 Proposals</b>	<b>\$13,265,290</b>
Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Elucidating the Consequences of Structural Fluidity in the Function of the Anti-Inflammatory Protein TNIP1	01/08/2018	10,000
Aneskievich, Brian J	American Foundation for Pharmaceutical Education	Soluble Epidermal Growth Factor Receptor Isoforms: Functional Roles and Potential Therapeutic Application in Rheumatoid Arthritis	02/26/2018	5,000
Bahal, Raman	American Cancer Society	Next Generation Targeting of OncomiRs for Cancer Gene Therapy	03/30/2018	787,400
Bahal, Raman	American Foundation for Pharmaceutical Education	Targeted delivery of anti-miR gamma PNAs for lymphoma therapy	02/26/2018	5,000
Bahal, Raman	Bayer	Site specific genome editing of Hematopoietic stem cells for Hemophilia B gene therapy	02/16/2018	63,617
Bahal, Raman	Cooley's Anemia Foundation	New Generation Site Specific Genome Editing of Hematopoietic Stem Cells for Beta Thalassemia Gene Therapy	02/05/2018	32,500
Bahal, Raman	DHHS/NIH/National Cancer Institute	Next Generation Targeted Delivery of Anti-miR Probes for Cancer Therapy	02/20/2018	440,875
Bahal, Raman	Melanoma Research Foundation	Next Generation Targeting of OncomiRs for Melanoma Therapy	03/01/2018	100,000
Bogner, Robin H	American Foundation for Pharmaceutical Education	Development of a Raman Spectroscopic Method to Detect Protein Conformation in Amorphous Solids: Application to Protein Formulation and Stability	01/08/2018	10,000
Bogner, Robin H	National Institute for Innovation in Manufacturing Biopharmaceuticals/National Institute of Pharmaceutical Technology and Education	Hardware and Software Tools for Pharmaceutical Process Scale-up	01/25/2018	73,933
Chaudhuri, Bodhisattwa	Pharmaceutical Research & Manufacturers of America (PhRMA) Foundation	Experimentally Validated Computational Modeling of Pharmaceutical Manufacturing Processes of Solid Dosage Forms	03/05/2018	35,000
Grant, David F	DHHS/NIH/National Institutes of Health	Exploring the feasibility of using femtosecond strong laser fields for metabolite structure identification	02/13/2018	440,875
Hadden, Matthew K	DHHS/NIH/National Institutes of Health	Identification of Small Molecule Scaffolds that Modulate ATRX Function	02/02/2018	1,445,625
Hadden, Matthew K	DHHS/NIH/National Institutes of Health	Inhibition of Translesion Synthesis as a Novel Strategy for Cancer Chemotherapy	02/05/2018	3,130,875
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Cellular and Computational Rationale for CB1 Sequence Variation in Humans	02/16/2018	440,875
Kendall, Debra A	DHHS/NIH/National Institutes of Health	Discovering the cellular response to novel CB2 selective agonists for therapeutics	03/16/2018	440,875
Lu, Xiuling	DHHS/NIH/National Institutes of Health	Dual Delivery of Oxygen and Chemotherapy with Nanocapsules for Enhanced Chemoradiotherapy	02/05/2018	2,289,015
Rasmussen, Theodore	DHHS/NIH/National Heart, Lung, and Blood Institute	Regulation of Lipid and Cholesterol Homeostasis by Long Noncoding RNA	03/30/2018	1,597,325
Wilderman, Paul Ross	DHHS/NIH/National Institutes of Health	Structure-Guided Compound Re-Design to Re-Direct Cytochrome P450 Metabolism	02/05/2018	1,606,250
Wright, Dennis	DHHS/NIH/National Institutes of Health/Quercus Molecular Design	Developing Multi-targeting Agents Against Herpes Simplex 1	03/29/2018	150,000

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Wright, Dennis	DHHS/NIH/National Institutes of Health/University of Connecticut Health Center	Targeting viral alkaline nucleases for the development of broad spectrum anti-herpesvirus therapeutics	03/27/2018	160,250
<b>Pharmacy Practice</b>			<b>4 Proposals</b>	<b>\$2,912,604</b>
Rickles, Nathaniel M	Patient-Centered Outcomes Research Institute (PCORI)	Face-to-Face vs Telephone Medication Therapy Management for Older Adults with Major Depression	02/06/2018	2,812,136
Rickles, Nathaniel M	Patient-Centered Outcomes Research Institute (PCORI)/University of Connecticut Health Center	3D Team Care for Cognitively Vulnerable Older Adults	03/06/2018	4,652
Smith, Marie A	Community Pharmacy Foundation	A Needs Assessment to Characterize Community Pharmacist-Primary Care Medication Reconciliation Workflows and Communications	01/22/2018	30,651
Smith, Marie A	Community Pharmacy Foundation	Consumer Advocacy Partnerships to Expand and Sustain Community Pharmacist Patient Care Services	01/23/2018	65,165
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$2,440,258</b>
<b>School of Social Work</b>			<b>5 Proposals</b>	<b>\$2,440,258</b>
Fendrich, Michael	DHHS/NIH/National Institutes of Health	Understanding PDMP Impact on Opioid and Benzodiazepine Use, Mortality, and Treatment	02/05/2018	1,166,515
Rodis, Eleni T	DHHS/NIH/National Institutes of Health/RTI International	Advancing the Quality of Alcohol Treatment by Leveraging Public Substance Use Disorder System Electronic Health Records	02/09/2018	383,743
Rodis, Eleni T	DHHS/SAMHSA/Center for Mental Health Services/CT Department of Mental Health and Addiction Services	Treatment for Individuals Experiencing Homelessness	03/02/2018	750,000
Smith, Tanya	New York Community Trust/Council on Social Work Education	National Social Worker Voter Mobilization Campaign Tripartite Collaboration	02/16/2018	20,000
Wilson, Cristina	Johnson (Robert Wood) Foundation	Health Policy Research Scholars Program	03/12/2018	120,000
<b>Academic and Service Programs</b>			<b>6 Proposals</b>	<b>\$6,766,049</b>
<b>Global Affairs</b>			<b>2 Proposals</b>	<b>\$1,234,998</b>
Mitoma, Glenn T	Braitmayer Foundation	Upstander Academy	03/15/2018	34,998
Pietro, Roy E	DOS/Bureau of Educational and Cultural Affairs	FY 2018 Young Southeast Asian Leaders Initiative (YSEALI) Academic Fellowship - Academic Exchange Program for Young Leaders from Southeast Asia	03/12/2018	1,200,000
<b>Provost &amp; Exec VP Academic Affairs</b>			<b>1 Proposals</b>	<b>\$5,400,000</b>
Alpay, Pamir	DOD/Air Force Research Laboratory	Simulation-Based Uncertainty Quantification of Manufacturing Technologies	03/23/2018	5,400,000
<b>Student Activities</b>			<b>1 Proposals</b>	
DeVivo Brassaw, Gina	Jumpstart	Jumpstart Program at the University of Connecticut	03/19/2018	
<b>Unassigned Department</b>			<b>1 Proposals</b>	<b>\$31,051</b>
Laurencin, Cato	National Academies/University of Connecticut Health Center	Fortified novel Silk/Graphene/Zeoliate-silver shape memory constructs for anticancer/bactericidal applications	03/02/2018	31,051
<b>Undergraduate Education</b>			<b>1 Proposals</b>	<b>\$100,000</b>
Ulloa, Susana	CT Department of Education	UConn College Access & Preparation Program	02/23/2018	100,000
<b>Vice President for Research</b>			<b>44 Proposals</b>	<b>\$31,233,385</b>
<b>Center for Environmental Sciences and Engineering</b>			<b>2 Proposals</b>	<b>\$1,380,000</b>

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Shor, Leslie M	DOE/Department of Energy	Multimodal Imaging of Carbon Dynamics under Water Stress in the Rhizosphere	03/16/2018	1,125,000
Willig, Michael R	NSF/National Science Foundation/University of Puerto Rico, San Juan	ILTER: Luquillo LTER VI: Understanding Ecosystem Change in Northeastern Puerto Rico	02/28/2018	255,000
<b>Connecticut Institute for Resilience and Climate Adaptation</b>			<b>1 Proposals</b>	<b>\$8,203,323</b>
O'Donnell, James	HUD/Department of Housing and Urban Development/CT Department of Housing	The Development of the Connecticut Connections Coastal Resilience Plan	01/26/2018	8,203,323
<b>Institute for Collaboration on Health, Intervention and Policy</b>			<b>21 Proposals</b>	<b>\$15,961,936</b>
Andreyeva, Tatiana	American Heart Association	Tiered Tax Revenue Estimation	03/26/2018	14,892
Andreyeva, Tatiana	World Health Organization	Fiscal policies and a diet: a scoping review of the literature	02/12/2018	18,641
Bellizzi, Keith M	Connecticut Breast Health Initiative	Genetic Counseling for BRCA 1/2 Mutations: Preferences and Outcomes of Counseling	03/28/2018	49,999
Butler, Lisa M	DHHS/NIH/National Institute of Mental Health/University of California, San Francisco	Cognitive Behavioral and Structural HIV Prevention Intervention for Young Ugandan Women Engaging in High Risk Sexual Behavior	02/13/2018	36,102
Copenhaver, Michael M	DHHS/NIH/National Institute on Drug Abuse	HIV Prevention and Adherence Among Priority Drug Using Populations	01/05/2018	859,661
DiStefano, Lindsay	National Athletic Trainers Association	Comprehensive High School Sport Safety: A personalized Approach for the Local Implementation of Best Practice Initiatives	02/15/2018	54,524
Gans-DeLuca, Kim M	DHHS/NIH/National Institutes of Health/Miriam Hospital	Establishing Multi-site Fidelity of an Enhanced Yoga and Novel Nutrition Intervention for Adults with Type 2 Diabetes	01/16/2018	140,405
Gorin, Amy	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	Pain and Weight Treatment: Development and Trial of PAW	03/02/2018	133,479
Hernandez, Dominica B	DHHS/NIH/National Institutes of Health	Stigma Mechanisms of Disparities for HIV-Cardiometabolic Comorbidities among African Americans	02/19/2018	2,762,624
Holle, Lisa M	International Society of Oncology Pharmacy Practitioners (ISOPP)	Can Spinners Improve Understanding of Adverse Events in Patients with Cancer?	02/01/2018	8,037
Kalichman, Seth C	DHHS/NIH/National Institutes of Health	Sequential Adaptive mHealth Interventions for Youth to Achieve HIV Suppression	01/08/2018	3,738,081
McCaffery, Jeanne	DHHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases/Massachusetts General Hospital	Genomic and Metabolomic Predictors of Weight Changes in Response to Intensive Lifestyle Intervention	02/09/2018	162,818
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	RELAX: A Mobile Application Suite Targeting Obesity and Stress	01/10/2018	255,606
Pagoto, Sherry	DHHS/NIH/National Institutes of Health	Using a Narrative-Based Approach to Reducing Indoor Tanning	01/30/2018	440,875
Pagoto, Sherry	DHHS/NIH/National Institutes of Health/University of Massachusetts Medical School	Healthy Weight, The Latino Mother's Way	02/23/2018	181,079
Park, Crystal	DHHS/NIH/National Cancer Institute	Development of a Theory-Based Model and Practical Clinical Tool for Providers to Predict Adherence to Oral Anticancer Medications among Older Adults	03/20/2018	3,652,889
Park, Crystal	Templeton (John) Foundation	Systematic Investigation of US Federal Investments in Research on Religion and Health	01/31/2018	234,206
Pescatello, Linda S	DHHS/NIH/National Institutes of Health	The Effectiveness of Yoga Versus Aerobic Exercise as Antihypertensive Therapy	02/12/2018	2,972,424
Puhl, Rebecca M	Australian Research Council/Monash University	How Will Food Addiction Explanations of Obesity Affect Stigma, Weight Control Beliefs and Public Health Policy Support?	03/02/2018	9,418
Rickles, Nathaniel M	DHHS/CDC/Centers for Disease Control and Prevention/CT Department of Public Health	Asthma Friendly Community Pharmacy Intervention Model	03/30/2018	6,500

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
Russell, Beth S	DHHS/NIH/National Institutes of Health/Connecticut Children's Medical Center	Parents as Coping Coaches - 2 (PaCC-2)	03/02/2018	229,676
<b>Institute of Materials Science</b>			<b>14 Proposals</b>	<b>\$3,143,509</b>
Asandei, Alexandru	American Chemical Society	Transition Metal Catalyzed Interconversion of Perfluoroalkyl Halides	03/16/2018	110,000
Burke, Kelly A	DHHS/NIH/National Institutes of Health/Bio maize Materials	Development of Shape Memory Materials for Wound Protection Sleeves	01/03/2018	120,000
Cao, Yang	General Electric	Computation of Gas Dynamics in Low Voltage Circuit Breakers	01/31/2018	100,000
Cao, Yang	NASA/National Aeronautics and Space Administration/United Technologies-Research Center	Partial Discharge Investigation for High Voltage DC (HVDC) Aerospace Electrical Systems	02/14/2018	100,000
Chiu, Wilson K	DOE/Department of Energy	in situ Measurement and Validation of Uranium Molten Salt Properties at Operationally Relevant Temperatures	01/23/2018	799,979
Gao, Puxian	DOD/Department of Defense/3D Array Technology	Low-Cost and Sustainable Flame-Resistant Nanostructured Coatings on Utility Fabrics	02/07/2018	75,000
Gao, Puxian	DOE/Department of Energy/Advanced Manufacturing	Fabrication of High Performance Stannate Nanostructured Photodetector Arrays with Tunable UV Responses	02/26/2018	89,001
Gao, Puxian	NASA/National Aeronautics and Space Administration/Advanced Manufacturing	Stannate Nanostructured Films for Space Deep UV Photodetection	03/09/2018	40,000
Hebert, Rainer J	DOE/National Nuclear Security Administration	Mechanical Behavior and Microstructures of Additively Manufactured 17-4PH Stainless Steel and Tantalum Under Extreme Conditions	03/26/2018	776,583
Hebert, Rainer J	United Technologies-Pratt & Whitney	Computational and Experimental Studies of Laser-powder Interactions for Additive Manufacturing	01/29/2018	65,000
Nakhmanson, Serge M	NSF/National Science Foundation	Unraveling the Effects of Size and Geometry on Electromechanical Response in Engineered Core-Shell Nanowires	01/24/2018	402,210
Parnas, Richard S	REA Resource Recovery Systems	Critical Infrastructure: A National Security and Environmental Quality Double Play	02/23/2018	63,207
Shahbazmohamadi, Sina	NSF/National Science Foundation	Oxygen-Free Nanocrystalline Materials: Advanced Synthesis and Processing to Enhance Mechanical Properties of Iron-Based Alloys at Elevated Temperatures	01/24/2018	386,529
Sun, Luyi	NSF/ENG/Directorate for Engineering	Controlling Microstructure of Hybrid Thin Films through Flow-Induced Orientation	03/30/2018	16,000
<b>Sea Grant College Program</b>			<b>4 Proposals</b>	<b>\$2,244,618</b>
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	An Observational Network for Shellfish Aquaculture Resilience and Seafood Safety	03/29/2018	582,340
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Business Planning for Kelp Aquaculture in New England	03/28/2018	329,414
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Development of a domesticated strain of the copepod Apocyclops panamensis for larval marine finfish nutrition in aquaculture	03/29/2018	585,746
Deguisse, Sylvain	DOC/NOAA/National Oceanic and Atmospheric Administration	Enhancing Production and Economics of Land Based Coral Aquaculture	03/30/2018	747,118
<b>Technology Partnerships</b>			<b>1 Proposals</b>	<b>\$299,999</b>
Analoui, Mostafa	NSF/National Science Foundation	Type II: NSF I-Corps Site: Accelerate UConn	02/07/2018	299,999
<b>Vice President for Research</b>			<b>1 Proposals</b>	
Maric, Radenka	DOE/Advanced Research Projects Agency	Development of Improved Non-PBM Electrode Performance and Durability Through Catalyst Layer Design and Application	02/09/2018	

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
<b>University of Connecticut - Storrs &amp; Regional</b>			<b>408 Proposals</b>	<b>\$197,983,678</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>
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

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
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
<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



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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
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
<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

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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
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>
Bezonova, Irina	DHHS/NIH/National Institutes of Health	Ubiquitin -Proteasome pathway in Cancer	10/03/2017	1,582,505
Bezonova, 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

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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 Maturation	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
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 Engineering	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

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PI Name	Sponsor	Project Title	Submit Date	Total Requested Amount
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
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

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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>544 Proposals</b>	<b>\$329,352,685</b>