

**Delaware State Clearinghouse Committee
Amended Agenda**

January 31, 2017

Item	SAI#	Applicant	Project Title	Federal	Funding State	Other	Positions		
							Federal	State	Other
New Business									
1	2016-12-08-01	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Virus Epidemiologic Profile	\$40,000	\$0	\$0	0.00	0.00	0.00
2	3011	Department of Health and Social Services, Public Health, Community Health	Epidemiology and Laboratory Capacity - Zika Supplement	\$936,934	\$0	\$0	0.00	0.00	0.00
3	2986	Department of Natural Resources and Environmental Control, Office of the Secretary, Coastal Programs	Hurricane Sandy Disaster Relief - Coastal Resiliency	\$608,359	\$0	\$304,177	0.10	0.00	0.00
4	3007	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Migratory Shorebird Beach Restoration	\$1,200,000	\$400,000	\$0	0.00	0.00	0.00
5	2997	Department of Safety and Homeland Security, State Police, Traffic	Fatality Analysis Reporting System	\$218,461	\$0	\$0	0.60	1.40	0.00
Deferred to future Clearinghouse meeting.									
6	2996	Department of Education	Migrant Student Exchange Data Quality	\$57,786	\$0	\$0	0.00	0.00	0.00
Continued									
7	2992	Executive, Criminal Justice, Criminal Justice Council	Title II - Formula Block Grant	\$393,873	\$39,387	\$0	0.54	0.49	0.00
8	2975	Executive, Criminal Justice, Criminal Justice Council	Children's Justice Act	\$88,978	\$0	\$0	0.00	0.00	0.00
9	2072 Amendment 2	Executive, Criminal Justice, Criminal Justice Council	Prison Rape Elimination Act Reallocation Funds	\$6,449	\$0	\$0	0.00	0.00	0.00
10	1992 Amendment 3	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients and Providers Act	\$78,665	\$0	\$0	0.00	0.00	0.00
11	2591 Amendment 2	Legal, Office of Attorney General	High Intensity Drug Trafficking Areas Program	\$140,000	\$0	\$0	0.00	0.00	0.00
12	2984	Department of State, Regulation and Licensing, Public Service Commission	Pipeline Safety One Call Grant	\$9,996	\$0	\$0	0.00	0.00	0.00
13	2969	Department of Health and Social Services, State Service Centers	AmeriCorps State Administrative Grant for Delaware Commission on Community and Volunteer Service	\$250,000	\$250,000	\$0	2.75	1.25	0.00
14	2982	Department of Health and Social Services, Substance Abuse and Mental Health, Administration	Permanent Housing for Adults with Psychiatric Disabilities	\$182,446	\$8,720	\$0	0.00	0.00	0.00
15	3004	Department of Health and Social Services, Administration, Office of the Secretary	State Innovation Model Testing	\$5,604,505	\$0	\$0	0.00	0.00	0.00
16	3005	Department of Health and Social Services, Public Health, Community Health	Universal Newborn Hearing Screening	\$750,000	\$0	\$0	1.00	0.00	0.00
17	3006	Department of Health and Social Services, Public Health, Community Health	Sexual Violence Prevention and Education	\$219,367	\$0	\$0	0.00	0.00	0.00

New Business requires the attendance of the Contact Person.

Available to the internet at: <http://budget.delaware.gov/clearinghouse/abm.shtml>

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18	3008	Department of Health and Social Services, Public Health, Emergency Medical Services	Emergency Medical Services for Children Partnership	\$130,000	\$11,942	\$0	0.00	0.10	0.00
19	3010	Department of Health and Social Services, Public Health, Community Health	Water System Supervision	\$549,000	\$417,115	\$0	7.40	7.35	0.00
20	2977	Department of Services for Children, Youth and Their Families, Family Services, Intervention/Treatment	Adoption Incentive Payments Program	\$15,000	\$0	\$0	0.00	0.00	0.00
21	2915	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Amphibian and Reptile Monitoring and Conservation	\$33,682	\$18,136	\$0	0.23	0.07	0.00
22	2987	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Coastal Finfish Assessment Survey	\$145,557	\$48,519	\$0	1.56	0.70	0.00
23	2988	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Survey of Sport Fish of Delaware Bay	\$104,655	\$34,885	\$0	0.00	0.20	0.00
24	3001	Department of Natural Resources and Environmental Control, Office of the Secretary, Information Technology	Environmental Information Exchange Network	\$299,438	\$252,942	\$0	0.00	1.20	0.00
25	2954	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$1,177,038	\$199,312	\$0	6.46	1.14	0.00
26	2989	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Homeland Security Grant Program	\$3,734,500	\$0	\$0	3.50	0.00	0.00
27	2998	Department of Safety and Homeland Security, State Police, Criminal Investigation	Delaware Information and Analysis Center Maritime Enhancements	\$25,000	\$0	\$0	0.00	0.00	0.00
28	3000	Department of Safety and Homeland Security, Office of the Secretary, Delaware Emergency Management Agency	Hazardous Materials Emergency Preparedness Training and Planning	\$325,571	\$81,392	\$0	0.20	0.80	0.00
29	3003	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 154 Sanction Grant	\$1,269,830	\$0	\$0	0.00	0.00	0.00
30	2016-11-10-01	Department of Safety and Homeland Security, State Police, Aviation	Marijuana Eradication	\$12,000	\$0	\$0	0.00	0.00	0.00
31	2850 Amendment	Department of Safety and Homeland Security, Office of the Secretary, Highway Safety	Section 405 (h) - Non-Motorized Safety Grant	\$183,189	\$45,797	\$0	0.00	0.00	0.00
32	2991	Department of Transportation, Planning	Statewide Continuous Aviation System Planning	\$55,332	\$6,148	\$0	0.00	0.00	0.00
33	2995	Department of Education	School Improvement	\$1,347,476	\$0	\$0	0.00	0.00	0.00
34	2016-12-09-01	Department of Education	New Skills for Youth	\$0	\$0	\$1,950,000	0.00	0.00	0.00
Higher Education									
1	2017-01-07-01	HE/University of Delaware	Dissecting synthetic syntrophy targeting CO2 capture via acetogenic mixotrophy	\$615,984	\$0	\$0			

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2	2017-01-07-02	HE/University of Delaware	CMOS substrate defined graphene transducer	\$326,921	\$0	\$0			
3	2017-01-07-03	HE/University of Delaware	Process and Performance Modeling of UHMWPE Composites for Advanced Head Protection	\$96,154	\$0	\$0			
4	2017-01-07-04	HE/University of Delaware	The Role of Cell-Generated Forces and Force Propagation in Autocrine and Paracrine Signaling	\$1,250,000	\$0	\$0			
5	2017-01-07-05	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$12,238			
6	2017-01-07-06	HE/University of Delaware	Medulloblastoma drug discovery using high throughput screening in three-dimensional cell culture	\$0	\$0	\$524,297			
7	2017-01-07-07	HE/University of Delaware	Scope #7 Development of Chesapeake Bay Technology Assessment Protocol for Manufactured Stormwater Treatment Devices	\$0	\$0	\$40,000			
8	2017-01-07-08	HE/University of Delaware	Bridging information gaps in turbulent particle-laden flows by petascale computing on Blue Waters	\$27,600	\$0	\$0			
9	2017-01-07-09	HE/University of Delaware	Algorithms for optimization problems in nonlinear stochastic systems using moment closure schemes	\$226,027	\$0	\$0			
10	2017-01-07-10	HE/University of Delaware	UPITT/NIH/Delaware Partners in Emergency Preparedness and Response	\$0	\$0	\$11,657			
11	2017-01-07-11	HE/University of Delaware	The Center for Drug and Health Studies will conduct the 2017 Youth Risk Behavior Survey of Middle Schools in Delaware on behalf of Nemours Children's Health Systems Division of Health and Prevention Services.	\$0	\$0	\$46,296			
12	2017-01-07-12	HE/University of Delaware	Structure and Dynamics of Proteins and Protein Assemblies by Integrated NMR, Density Functional Theory, and MD Simulations	\$892,690	\$0	\$0			
13	2017-01-07-13	HE/University of Delaware	NSF GEOMETRIC ANALYSIS OF CONVEX MEASURES	\$258,155	\$0	\$0			
14	2017-01-07-14	HE/University of Delaware	Effectiveness of a Psychologically Based Physical Therapy Rehabilitation for Active Duty Service Members with Neuromusculoskeletal Injuries in US Navy Shore Based Rehabilitation Settings	\$0	\$0	\$977,136			
15	2017-01-07-15	HE/University of Delaware	Collaborative Research: Effects of cholesterol on A2AR	\$153,756	\$0	\$0			

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16	2017-01-07-16	HE/University of Delaware	The Interaction between Traumatic Brain Injury and Musculoskeletal Injury Diminishes Manpower and Resilience in US Marines	\$0	\$0	\$445,771			
17	2017-01-07-17	HE/University of Delaware	Unique optical excitations in topological insulators	\$500,089	\$0	\$0			
18	2017-01-07-18	HE/University of Delaware	Geologic Map of the Dover Quadrangle, Delaware	\$179,972	\$0	\$0			
19	2017-01-07-19	HE/University of Delaware	Dissecting syntrophic metabolism and co-evolution of synthetic microbial co-cultures	\$401,624	\$0	\$0			
20	2017-01-07-20	HE/University of Delaware	Collaborative Research: Controlling Cellular Metabolism via Toehold-Gated dCas9 Regulators	\$423,464	\$0	\$0			
21	2017-01-07-21	HE/University of Delaware	Collaborative Research: Dynamic assembly of Metabolons Using Synthetic CRISPR-Cas Endonucleases	\$398,802	\$0	\$0			
22	2017-01-07-22	HE/University of Delaware	Integration of Models and Experiments to Define the Heat Stress Response	\$442,849	\$0	\$0			
23	2017-01-07-23	HE/University of Delaware	CIF: Small: Tensor Valued Wavelets and Big Data Analysis	\$322,671	\$0	\$0			
24	2017-01-07-24	HE/University of Delaware	Analysis tools for Stochastic Hybrid Systems with Biological and Engineering Applications	\$155,244	\$0	\$0			
25	2017-01-07-25	HE/University of Delaware	Collaborative Research: Unravelling mechanisms of Fe oxidation using synthetic biology and biochemistry	\$354,414	\$0	\$0			
26	2017-01-07-26	HE/University of Delaware	CY2017 Ship Operations	\$420,998	\$0	\$0			
27	2017-01-07-27	HE/University of Delaware	EVALUATION OF CALF MUSCLE ADAPTATION IN INDIVIDUALS WITH ACHILLES TENDON INJURY	\$0	\$0	\$25,000			
28	2017-01-07-28	HE/University of Delaware	Tunable, self-assembling peptide hydrogels for selective transport and delivery	\$0	\$0	\$110,000			
29	2017-01-07-29	HE/University of Delaware	Comprehensive evidence-based program to enhance nursing workforce diversity	\$1,896,296	\$0	\$0			

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30	2017-01-07-30	HE/University of Delaware	Designing Innovative Solutions to the Grand Challenges: A Multidisciplinary Approach	\$0	\$0	\$30,000			
31	2017-01-07-31	HE/University of Delaware	Raising Awareness and Integrating IPM Solutions to Mushroom Farms and Surrounding Urban Communities	\$0	\$0	\$6,224			
32	2017-01-07-32	HE/University of Delaware	Precision Models of Concussion and Neurovascular Repair	\$0	\$0	\$1,200,000			
33	2017-01-07-33	HE/University of Delaware	Integrating Cover Crops for Weed Management in Plasticulture Systems	\$0	\$0	\$35,372			
34	2017-01-07-34	HE/University of Delaware	PFI:BIC: Building a smart system to support healthy dietary choices in communities by leveraging Cloud, Mobile and Big Data Analytics Technologies	\$710,786	\$0	\$0			
35	2017-01-07-35	HE/University of Delaware	THE CELLULAR DYNAMICS OF SMALL RNAs AND THEIR TARGETS IN PLANTS, FROM SINGLE MOLECULE TO WHOLE ORGANISM	\$1,039,273	\$0	\$0			
36	2017-01-07-36	HE/University of Delaware	Secure Mobile Cloud Sensing	\$337,002	\$0	\$0			
37	2017-01-07-37	HE/University of Delaware	Oceanographic Technical Services	\$44,850	\$0	\$0			
38	2017-01-07-38	HE/University of Delaware	The evaluation of Stathmin 1 inhibition in preclinical models of osteosarcoma using novel RNA interference strategies.	\$0	\$0	\$163,424			
39	2017-01-07-39	HE/University of Delaware	Meniscus damage and failure: the mechanical role of fascicle structure and tears	\$275,000	\$0	\$0			
40	2017-01-07-40	HE/University of Delaware	DARPA Extremely High Dynamic-range Sensor (EHD) for ReImagined, Kiamilev	\$2,830,212	\$0	\$0			
41	2017-01-07-41	HE/University of Delaware	2016 Ford Foundation Dissertation Fellowship Application for Asia Downtin, Doctoral Candidate in Geography	\$0	\$0	\$25,000			
42	2017-01-07-42	HE/University of Delaware	New Quadrupolar NMR Techniques for Emerging NMR Technologies: Atomic-Resolution Characterization of Challenging Metal Sites in Bioinorganic and Catalyst Materials	\$0	\$0	\$86,958			
43	2017-01-07-43	HE/University of Delaware	Fibronectin and TGF-β bioavailability	\$0	\$0	\$2,500			

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44	2017-01-07-44	HE/University of Delaware	CNH-L: Glyphosate in soil and water: Coupling economics and natural science to better understand and manage human exposure and environmental contamination	\$1,048,667	\$0	\$0			
45	2017-01-07-45	HE/University of Delaware	Bacillithiol N-methylation: probing the significance of modifying a thiol metabolite found in diverse microbes	\$516,319	\$0	\$0			
46	2017-01-07-46	HE/University of Delaware	Cell envelope physiology and sulfur metabolism in Chlorobaculum tepidum	\$420,823	\$0	\$0			
47	2017-01-07-47	HE/University of Delaware	Cross regulation of signaling pathways activate Arf6 to drive cell migration	\$267,085	\$0	\$0			
48	2017-01-07-48	HE/University of Delaware	NSF COLLAB RSCH: MODELING INTIMAL FIBROSIS USING MORPHOELASTICITY: APPLICATIONS TO ATHEROSCLEROSIS	\$84,416	\$0	\$0			
49	2017-01-07-49	HE/University of Delaware	NSF STOCHASTIC FRACTIONAL POROUS MEDIUM EQUATION GOVERNED BY A GENERALIZED FRACTIONAL BROWNIAN MOTION AND RELATED PROBLEMS	\$145,059	\$0	\$0			
50	2017-01-07-50	HE/University of Delaware	NSF COLLAB RSCH: PATH INTEGRATION AND MODEL-BASED REGULARIZATION IN UNCERTAINTY QUANTIFICATION; APPLICATIONS TO SOFT MATTER	\$68,134	\$0	\$0			
51	2017-01-07-51	HE/University of Delaware	SaTC: Core: Small: Collaborative: Towards Power and Thermal Safety in Future Data Centers	\$171,304	\$0	\$0			
52	2017-01-07-52	HE/University of Delaware	CIF:Small: Collaborative Research: Analog Joint Source-Channel Coding for Point-to-Point And Multiterminal Communications	\$181,335	\$0	\$0			
53	2017-01-07-53	HE/University of Delaware	NSF INVERSE PROBLEMS FOR POROELASTIC MATERIALS WITH APPLICATION TO BONE HEALTH QUANTIFICATION	\$233,003	\$0	\$0			
54	2017-01-07-54	HE/University of Delaware	Systems Biology Models for COPD	\$0	\$0	\$75,000			
55	2017-01-07-55	HE/University of Delaware	Targeted Antibody-Based Therapy Toward Prevention of Circulating Tumor Cell Docking, Extravasation and Metastasis	\$375,000	\$0	\$0			
56	2017-01-07-56	HE/University of Delaware	Toward the molecular unpacking of the PaaC domain, a novel Plasmodesmata-association & activation Cassette	\$531,444	\$0	\$0			
57	2017-01-07-57	HE/University of Delaware	NSF CIF:Small:Coded Aperture Spectral X-Ray Tomography Arce	\$362,311	\$0	\$0			

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58	2017-01-07-58	HE/University of Delaware	Temperature Profile Refinement and Centrifugal Spit Separation for Commercial-scale Evaporation Sources	\$0	\$0	\$114,410			
59	2017-01-07-59	HE/University of Delaware	Procedural Justice and Police Legitimacy: Untangling the Effects of Situational and Organizational Factors	\$31,915	\$0	\$0			
60	2017-01-07-60	HE/University of Delaware	NSF CIF:Small:Collaborative:Blue Noise Graph Spectrum and Graph Sampling Arce	\$165,055	\$0	\$0			
61	2017-01-07-61	HE/University of Delaware	SHF:Small:Coordinating Non-volatile Memory and Solid-stage Storage for Efficient Multi-level Checkpoint and Restart	\$339,997	\$0	\$0			
62	2017-01-07-62	HE/University of Delaware	SHF:Small:Exploiting Input-Characteristics Derived Parallelism In Signal Processing	\$246,255	\$0	\$0			
63	2017-01-07-63	HE/University of Delaware	SHF:Small:Regularity-Oriented Program Optimization for Bulk Synchronous Parallel Processors	\$246,255	\$0	\$0			
64	2017-01-07-64	HE/University of Delaware	Development of Wavemakers in NHWAVE for Rogue Wave Modeling Study	\$22,435	\$0	\$0			
65	2017-01-07-65	HE/University of Delaware	Studies of the Global Radiation Environment of the Earth	\$74,371	\$0	\$0			
66	2017-01-07-66	HE/University of Delaware	Cross scale regulation of energy transport - from large scale dynamics to dissipation, a grand challenge problem in heliophysics	\$1,000,577	\$0	\$0			
67	2017-01-07-67	HE/University of Delaware	Integrated Management of Scab and Foliar Diseases of Wheat	\$0	\$0	\$1,650			
68	2017-01-07-68	HE/University of Delaware	NSF/GMU RIPS TYPE 2: QUANTIFYING DISASTER RESILIENCE OF CRITICAL INFRASTRUCTURE-BASED SOCIETAL SYSTEMS WITH EMERGENT BEHAVIOR AND DYNAMIC INTERDEPENDENCIES	\$0	\$0	\$200,016			
69	2017-01-07-69	HE/University of Delaware	Theoretical study of highly charged 3dn ions	\$19,231	\$0	\$0			
70	2017-01-07-70	HE/University of Delaware	Chemosensitiation of Inflammatory Breast Cancer and Triple Negative Breast Cancer Tumors	\$0	\$0	\$47,952			
71	2017-01-07-71	HE/University of Delaware	Solar Modulation of Cosmic Rays at Rigidity above 1 GV	\$219,478	\$0	\$0			

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72	2017-01-07-72	HE/University of Delaware	NSF FINITE ELEMENT METHOD FOR THE EINSTEIN EQUATION	\$98,943	\$0	\$0			
73	2017-01-07-73	HE/University of Delaware	NSF SIMULATION AND NUMERICAL ANALYSIS IN ELASTODYNAMICS AND WAVE-STRUCTURE INTERACTION	\$253,042	\$0	\$0			
74	2017-01-07-74	HE/University of Delaware	University of Delaware Upward Bound Program	\$287,852	\$0	\$0			
75	2017-01-07-75	HE/University of Delaware	Metabolic carbohydrate cell wall probes for bacterial structure and immune recognition studies	\$1,198,370	\$0	\$0			
76	2017-01-07-76	HE/University of Delaware	PADE Year Up 16/17 Partner Organization	\$0	\$0	\$13,800			
77	2017-01-07-77	HE/University of Delaware	In-field Detection of Plant Diseases on Fruit and Vegetable Crops Using Hand-Held Spectrometers	\$0	\$0	\$24,822			
78	2017-01-07-78	HE/University of Delaware	NSF/RAPID: HURRICANE MATTHEW AND EVACUATION DECISION-MAKING UNDER UNCERTAINTY	\$57,520	\$0	\$0			
79	2017-01-07-79	HE/University of Delaware	Collaborative Research: Using Surface Information for Quantitative Modeling of the Subsurface	\$208,990	\$0	\$0			
80	2017-01-07-80	HE/University of Delaware	Advanced Undersea Signal Processing Methods	\$3,846	\$0	\$0			
81	2017-01-07-81	HE/University of Delaware	CY2017 ONR Ship Support	\$1,309,314	\$0	\$0			
82	2017-01-07-82	HE/University of Delaware	Engaging At Risk Female High School Students in Life Planning Through a Power for Life Program	\$0	\$0	\$4,000			
83	2017-01-07-83	HE/University of Delaware	Determining the Ideal Irrigation Strategy for High Intensity Corn Production	\$0	\$0	\$22,720			
84	2017-01-07-84	HE/University of Delaware	Roles for DDX3 in cranial neural crest induction and craniofacial development	\$72,000	\$0	\$0			
85	2017-01-07-85	HE/University of Delaware	Beyond the cervical length: comprehensive assessment of short cervix and progesterone treatment effect using novel magnetic resonance imaging techniques	\$0	\$0	\$59,269			

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86	2017-01-07-86	HE/University of Delaware	Analysis of the Ribonucleases of Arabidopsis thaliana	\$463,357	\$0	\$0			
87	2017-01-07-87	HE/University of Delaware	Offshore survey of the Tasmanian Gas Pipeline	\$0	\$0	\$70,318			
88	2017-01-07-88	HE/University of Delaware	Metabolic carbohydrate cell wall probes for the characterization of microbiome-host interactions	\$0	\$0	\$349,418			
89	2017-01-07-89	HE/University of Delaware	Integrating Cover Crops to Improve Management of Herbicide Resistant Weeds in No-Till Soybean Production Systems	\$0	\$0	\$7,996			
90	2017-01-07-90	HE/University of Delaware	SCH: INT: Collaborative Research: Smart Wearable Systems to Support and Measure Movement in Children With and Without Mobility Impairments	\$448,688	\$0	\$0			
91	2017-01-07-91	HE/University of Delaware	STUDENT LEADERS PROGRAM IN THE MIDDLE EAST AND NORTH AFRICA	\$0	\$0	\$245,839			
92	2017-01-07-92	HE/University of Delaware	Evaluation of the use of poultry litter on soils with high phosphorus concentration	\$0	\$0	\$10,040			
93	2017-01-07-93	HE/University of Delaware	Trends in Soil Test Phosphorus and Sorption Capacity following Long-term Application of Poultry Litter and Commercial Fertilizers	\$0	\$0	\$5,000			
94	2017-01-07-94	HE/University of Delaware	Western States Leadership Institute on Developmental Disabilities	\$0	\$0	\$112,832			
95	2017-01-07-95	HE/University of Delaware	FY 18 Kent County Levy Court Community Service Grant Program	\$0	\$0	\$30,000			
96	2017-01-07-96	HE/University of Delaware	Microbial Community Composition and Metabolism Along a Hydrocarbon Seep Gradient	\$0	\$0	\$68,432			
97	2017-01-07-97	HE/University of Delaware	DBT-SE -A Deep Biosphere Toolkit and Spatiotemporal Environment for Research and the Advancement of Scientific and Creative Literacy	\$0	\$0	\$32,051			
98	2017-01-07-98	HE/University of Delaware	Testing of a novel nanofertilizer for efficient supply of phosphorus to corn	\$0	\$0	\$49,069			
99	2017-01-07-99	HE/University of Delaware	Pittsburgh Center for HIV Protein Interactions (PCHPI)	\$0	\$0	\$1,200,000			

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100	2017-01-08-01	HE/University of Delaware	INFORMATION RETRIEVAL IN CLOUDS	\$414,555	\$0	\$0			
101	2017-01-08-02	HE/University of Delaware	MULTICENTER CAREER DEVELOPMENT PROGRAM FOR PHYSICAL AND OCCUPATIONAL THERAPY	\$0	\$0	\$155,000			
102	2017-01-08-03	HE/University of Delaware	Computational Electromagnetomechanics: A Very Moving Problem	\$182,296	\$0	\$0			
103	2017-01-08-04	HE/University of Delaware	Maryland State Department of Education Systemic Improvement Plan State Systemic Improvement Plan (SSIP) Evaluator	\$0	\$0	\$9,484			
104	2017-01-08-05	HE/University of Delaware	Novel Stigma/Structural Interventions for Increasing HIV/STI Testing Among BMSM	\$0	\$0	\$62,210			
105	2017-01-08-06	HE/University of Delaware	Numerical Simulation of Electromagnetomechanical Systems	\$182,296	\$0	\$0			
106	2017-01-08-07	HE/University of Delaware	Biomolecular Interaction Technologies Fiscal Year 2017	\$0	\$0	\$42,501			
107	2017-01-08-08	HE/University of Delaware	Investigating the impact of wind turbines on surface fluxes using computational fluid dynamics	\$0	\$0	\$32,663			
108	2017-01-08-09	HE/University of Delaware	Metatranscriptomic insight into the physiology of the Fe-oxidizing Zetaproteobacteria in oxygen-limited and anoxic environments	\$0	\$0	\$33,000			
109	2017-01-08-18	HE/University of Delaware	COLLAB RSCH: Core Parlo-A Formative-Assessment-Based Approach to Implementing Common Core Math Standards in Urban High Schools	\$596,995	\$0	\$0			
110	2017-01-08-19	HE/University of Delaware	Organization for the Study of Sex Differences Annual Meeting	\$74,925	\$0	\$0			
111	2017-01-08-20	HE/University of Delaware	Hand Transplantation: Qualitative Approach to Enhance Patient Reported Outcome Metrics and the Candidate Screening Process	\$758,731	\$0	\$0			
112	2017-01-08-21	HE/University of Delaware	An fNIRS-Based Functional Connectivity in Cortical Networks of Infants Below 18 Months of Age	\$0	\$0	\$93,537			
113	2017-01-08-22	HE/University of Delaware	There is a Popular Notion That Social Identity Differences are Transcended by the Larger Sports Goals of Athletic Teams	\$0	\$0	\$25,000			

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114	2017-01-08-23	HE/University of Delaware	FY 2017 Study of the U.S. Institute on Women's Leadership	\$209,488	\$0	\$0			
115	2017-01-08-24	HE/University of Delaware	New TOI Material for PWG-Based High Energy Lasers	\$0	\$0	\$16,026			
116	2017-01-08-25	HE/University of Delaware	CDS&E: Development of a Novel Mesoscopic Algorithm for Rigorous Simulation of Compressible Multiphase Flows	\$199,383	\$0	\$0			
117	2017-01-08-26	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$18,357			
118	2017-01-08-27	HE/University of Delaware	Submerged Cultural Resource Survey of the Kiska Island National Historic Landmark Maritime Battlefield	\$0	\$0	\$21,884			
119	2017-01-08-28	HE/University of Delaware	COLLAB RSCH: Information-Theoretic Foundations of Data-Driven Model Reduction	\$95,822	\$0	\$0			
120	2017-01-08-29	HE/University of Delaware	Assessing Coastal Resiliency And Adaptive Management Alternatives Through A Multi-year Study of Habitat Mapping And Sediment Transport Dynamics	\$0	\$0	\$443,627			
121	2017-01-08-30	HE/University of Delaware	Innovative Approaches in Forced Air Cooling to Enhance Produce Safety and Quality	\$73,624	\$0	\$0			
122	2017-01-08-31	HE/University of Delaware	Smart Nano-Curators for Metadata Curation Throughout the Research Lifecycle	\$0	\$0	\$340,000			
123	2017-01-08-32	HE/University of Delaware	NSF Oceanographic Instrumentation CY17	\$88,500	\$0	\$0			
124	2017-01-08-33	HE/University of Delaware	Elution Strategies For Protein Ion-Exchange Chromatography Collaboration Project Proposal	\$0	\$0	\$64,103			
125	2017-01-08-34	HE/University of Delaware	Incentive-Based Intervention to Increase Breastfeeding Duration Among Low-Income Puerto Rican Mothers	\$2,432,286	\$0	\$0			
126	2017-01-08-35	HE/University of Delaware	CO2 Fuel Effort	\$0	\$0	\$136,912			
127	2017-01-08-36	HE/University of Delaware	Improving the Conservation Value of Shade Coffee for Resident Neotropical Birds	\$0	\$0	\$24,040			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
128	2017-01-08-37	HE/University of Delaware	Supplement to Award #1564565 - Improved Understanding of Vertical Mixing in the Lower Atmospheric Boundary Layer in the Presence of Wind Turbines via Numerical Simulations and Measurements	\$32,663	\$0	\$0			
129	2017-01-08-38	HE/University of Delaware	Predictive Coarse-Grained Modeling of Morphologies in Polymer Nanocomposites With Specific and Directional Intermolecular Interactions	\$520,231	\$0	\$0			
130	2017-01-08-39	HE/University of Delaware	Field Robotics Opportunities for the Next Generation of Naval/Marine Corps Officers	\$310,000	\$0	\$0			
131	2017-01-08-40	HE/University of Delaware	Chichester duPont Foundation to Provide Financial Aid	\$0	\$0	\$35,000			
132	2017-01-08-41	HE/University of Delaware	Cybersecurity Education with Storytelling on Social Robots	\$122,898	\$0	\$0			
133	2017-01-08-42	HE/University of Delaware	SHINE: Space Time Structure of Turbulence in Solar Wind and Simulations: Implications for Magnetic Connectivity and Charged Particle Propagation	\$231,006	\$0	\$0			
134	2017-01-08-43	HE/University of Delaware	Nanomaterial Construction through Peptide Computational Design and Hierarchical Solution Assembly	\$513,511	\$0	\$0			
135	2017-01-08-44	HE/University of Delaware	Testing for Novel Nanofertilizer for Soybean Crop	\$0	\$0	\$45,729			
136	2017-01-08-45	HE/University of Delaware	Role of Legacy Phosphorus in Downstream Water Quality in East Creek, Crisfield, MD	\$0	\$0	\$50,069			
137	2017-01-08-46	HE/University of Delaware	Effect of Fertigation on Irrigated Full Season Soybeans	\$0	\$0	\$8,963			
138	2017-01-08-47	HE/University of Delaware	Evaluating the Response of Full Season Soybeans to Various Soil Moisture Levels.	\$0	\$0	\$9,496			
139	2017-01-08-48	HE/University of Delaware	Can Plant Population Play a Role in Reducing Lodging Losses in Soybeans from Dectes Stem Borer?	\$0	\$0	\$2,409			
140	2017-01-08-49	HE/University of Delaware	Testing of Novel Nanofertilizer for Soybean Crop	\$0	\$0	\$46,069			
141	2017-01-08-50	HE/University of Delaware	RWJF/C3 Adaptation Project: Community Culture Context in Adapting to Environmental Change	\$0	\$0	\$1,299,322			

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Item	SAI#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
142	2017-01-08-51	HE/University of Delaware	High Throughput Multi-attribute Analysis for Prediction of Physical Stability of Protein Formulations	\$0	\$0	\$32,293			
143	2017-01-08-52	HE/University of Delaware	Assessing the Impacts of Row Spacing and Fungicide Timing on Disease Control and Profitability in Double Crop Soybean Production Systems	\$0	\$0	\$6,007			
144	2017-01-08-53	HE/University of Delaware	Impact of Fortification Among Socioeconomically and Racially Diverse Urban Adults	\$0	\$0	\$17,852			
145	2017-01-08-54	HE/University of Delaware	Probing Novel Syntrophic Microbial Interactions	\$32,050	\$0	\$0			
146	2017-01-08-55	HE/University of Delaware	Evaluating and Measuring Educational Quality and Improvement in Dialogic Pedagogy	\$0	\$0	\$50,000			
147	2017-01-08-56	HE/University of Delaware	Assessing the Impacts of Row Spacing and Fungicide Timing on Disease Control and Profitability in Double Crop Soybean Production Systems	\$0	\$0	\$5,407			
148	2017-01-08-57	HE/University of Delaware	Increasing Yield and Profitability of Double-Crop Soybean	\$0	\$0	\$10,513			
149	2017-01-08-58	HE/University of Delaware	Interdisciplinary Engineering Career Development Center in Movement and Rehabilitation Sciences	\$0	\$0	\$56,034			
150	2017-01-08-59	HE/University of Delaware	S&AS: INT: COLLAB: Achieving Long-term Autonomy Despite Incomplete, Partial and Conflicting Information	\$577,216	\$0	\$0			
151	2017-01-08-60	HE/University of Delaware	Shipboard Scientific Support Equipment CY17	\$199,747	\$0	\$0			
152	2017-01-08-61	HE/University of Delaware	Evaluating the Availability of Rumen-Protected Amino Acid Products	\$0	\$0	\$68,625			
153	2017-01-08-62	HE/University of Delaware	Mineral-Fluid Interactions: Synchrotron Radiation Studies at the Advanced Photon Source	\$0	\$0	\$37,305			
154	2017-01-08-63	HE/University of Delaware	S&AS: FND: COLLAB: From Abandoned Mine Reconnaissance to Situation-Adaptive Multirobot Collaboration in Underground Environments	\$154,513	\$0	\$0			
155	2017-01-08-64	HE/University of Delaware	SaTC:EDU: Integrating Cybersecurity Education with Clouds	\$203,154	\$0	\$0			

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				Federal	State	Other	Federal	State	Other
156	2017-01-08-65	HE/University of Delaware	NSA K-Space RF Receiver, Phase II	\$160,347	\$0	\$0			
157	2017-01-08-66	HE/University of Delaware	Develop a Protocol for Preparing and Sequencing Reduced Representation Genomic Libraries Using Next-Generation Sequencing Technology to Discover and Genotype Large Numbers of Sequence Polymorphisms Distributed Across Genomes	\$31,199	\$0	\$0			
158	2017-01-08-67	HE/University of Delaware	"Kick Start" Business Development Training Program for Delaware's Rural Downtown Development Districts	\$18,535	\$0	\$0			
159	2017-01-08-68	HE/University of Delaware	Delaware Community, Outreach, Referral, and Early Intervention: Needed Attention to Young Adolescents' Risk of Psychosis	\$0	\$0	\$13,500			
160	2017-01-08-69	HE/University of Delaware	Weed Management for No-Till Rye Seeded Soybeans and Double-Cropped Soybeans	\$0	\$0	\$13,412			
161	2017-01-08-70	HE/University of Delaware	Use of Vibration to Mitigate Gait Disorders of Parkinsons Disease	\$0	\$0	\$57,692			
162	2017-01-08-71	HE/University of Delaware	Electronic and Spin Correlations in Novel Magnetic Compounds	\$175,367	\$0	\$0			
163	2017-01-08-72	HE/University of Delaware	Ultimately Transformed and Optimized Powertrain Integrated With Automated and Novel Vehicular and Highway Connectivity Leveraged for Efficiency (Utopian Vehicle)	\$2,956,720	\$0	\$0			
164	2017-01-08-73	HE/University of Delaware	In Situ Spectroscopic Probing of Metal Oxide Interfaces to Elucidate the Effects of Surface Hydroxylation on Chemical and Photochemical Heterogeneous Reactivity	\$361,941	\$0	\$0			
165	2017-01-08-74	HE/University of Delaware	CIF21 DIBBs: PD: Cyberinfrastructure Tools for Precision Agriculture in the 21st Century	\$342,247	\$0	\$0			
166	2017-01-08-75	HE/University of Delaware	Improving Phosphorus Risk Assessment in the Lower Chesapeake Bay Watershed	\$0	\$0	\$63,561			
167	2017-01-08-76	HE/University of Delaware	Identifying Important Stopover Areas for Migrating Landbirds in Central Indiana Using NEXRAD Data and Ground Surveys	\$0	\$0	\$5,445			
168	2017-01-08-77	HE/University of Delaware	This Research will Provide Production Data for the Study of the Acoustic Properties of Stress and Focus, and will Constitute the First Large Scale, Cross-Linguistic, Investigation of the Acoustic Properties of Lexical and Sentential Prominence	\$390,962	\$0	\$0			
169	2017-01-08-78	HE/University of Delaware	The Center for Drug and Health Studies will conduct the 2017 Youth Risk Behavior Survey of Middle Schools in Delaware on behalf of Nemours Children's Health Systems Division of Health and Prevention Services	\$0	\$0	\$46,296			

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							<i>Federal</i>	<i>State</i>	<i>Other</i>
170	2017-01-08-79	HE/University of Delaware	Emissions Model	\$0	\$0	\$107,570			
171	2017-01-08-80	HE/University of Delaware	Coca Cola Foundation 2017 UD Mandela Washington Fellowship Civic Leadership Institute	\$0	\$0	\$40,000			
172	2017-01-08-81	HE/University of Delaware	Evaluation of Nitrogen Rate and Fungicide Use on Wheat Yield and Quality	\$0	\$0	\$2,322			
173	2017-01-08-82	HE/University of Delaware	Collaborative Research: Scalable Manufacturing of Soft, Nanostructured, Biomimetic Actuators Through Controlled Alignment of Self-Assembled Polymer Hybrid Films	\$140,029	\$0	\$0			
174	2017-01-08-83	HE/University of Delaware	Boehringer Ingelheim Fremont Lee	\$0	\$0	\$100,000			
175	2017-01-08-84	HE/University of Delaware	Materials in Extreme Dynamic Environments 2017	\$0	\$0	\$714,422			
176	2017-01-08-10	HE/Delaware State University	Inventory of barriers in the Northeast that limit the Aquaculture Industry	\$42,635	\$0	\$0			
177	2017-01-08-11	HE/Delaware State University	III: Small: An Active Approach to Multiresolution Ensembles for Clinical Streams	\$463,030	\$0	\$0			
178	2017-01-08-12	HE/Delaware State University	Adoption of anaerobic soil disinfestation for controlling soil-borne pathogens in greenhouse and high tunnel production	\$49,987	\$0	\$0			
179	2017-01-08-13	HE/Delaware State University	Workforce Training	\$90,500	\$0	\$0			
180	2017-01-08-14	HE/Delaware State University	Firefly Inventory and a geospatial database for the preservation of peatlands and their insects of conservation concern at Acadia National Park, Maine	\$20,000	\$0	\$0			
181	2017-01-08-15	HE/Delaware State University	Targeted Infusion Project: Materials Science MakerLab at Delaware State University	\$399,672	\$0	\$0			
182	2017-01-08-16	HE/Delaware State University	2016 NESARE DE & MD Eastern Shore Joint Outreach Program	\$83,332	\$0	\$0			
183	2017-01-08-17	HE/Delaware State University	Compositional Gradients in Nanostructured Semiconductor Materials toward Programming their Optoelectronic Properties	\$459,760	\$0	\$0			

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<i>Item</i>	<i>SAI#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding</i>			<i>Positions</i>		
					<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>	
184	2017-01-08-85	HE/Delaware State University	A Multifaceted Approach to Estimate and Mitigate the Discard Mortality of Smooth Dogfish, <i>Mustelus Canis</i> , in the Mid-Atlantic Recreational Rod-and-Reel Fishery.	\$22,769	\$0	\$0				
185	2017-01-08-86	HE/Delaware State University	DOE - Kent County Learning Resources Center	\$10,000	\$0	\$0				
186	2017-01-08-87	HE/Delaware State University	Impacts of Metal Oxide Particles on the Permeability of Protocells - An Essential Step Toward the Origin of Life	\$21,639	\$0	\$0				
187	2017-01-08-88	HE/Delaware State University	Delaware INBRE III/DSU	\$200,000	\$0	\$0				
188	2017-01-08-89	HE/Delaware State University	HBCU UP Implementation Project - Transforming Education through Active Learning (TEAL)	\$1,828,749	\$0	\$0				
189	2017-01-08-90	HE/Delaware State University	Novel Water Treatment Technologies for Use in Land-Based Aquaculture	\$199,996	\$0	\$0				
190	2911	HE/Delaware Technical and Community College	America's Promise Job Driven Program	\$3,500,000	\$0	\$0				