

**Delaware State Clearinghouse Committee  
Amended Agenda**

**November 29, 2016**

Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
<b>New Business</b>									
1	<a href="#">2970</a>	Executive, Criminal Justice, Criminal Justice Council	Adult Drug Court Program	\$300,000	\$100,000	\$0	0.00	0.00	0.00
2	<a href="#">2971</a>	Executive, Criminal Justice, Criminal Justice Council	Second Chance Act Juvenile Statewide Reentry Initiative	\$833,736	\$805,482	\$28,254	0.00	0.00	0.00
3	<a href="#">2972</a>	Executive, Criminal Justice, Criminal Justice Council	Implementation of Smart Juvenile Justice: Enhancing Youth Access to Justice State Reform	\$741,847	\$83,333	\$0	0.18	0.00	0.00
4	<a href="#">2973</a>	Executive, Criminal Justice, Criminal Justice Council	Juvenile Justice Statewide Reform Planning	\$255,118	\$0	\$0	0.15	0.00	0.00
5	<a href="#">2016-10-26-01</a>	Legal, Office of Attorney General	Organized Crime Drug Enforcement Task Forces	\$11,076	\$0	\$0	0.00	0.00	0.00
6	<a href="#">2918</a>	Department of Health and Social Services, State Service Centers	Foster Grandparent Program	\$521,472	\$791,378	\$0	0.50	5.50	0.00
7	<a href="#">2964</a>	Department of Health and Social Services, Public Health, Community Health	Hepatitis C Increased Testing and Diagnosis	\$94,500	\$88,658	\$0	0.00	1.00	0.00
8	<a href="#">2994</a>	<del>Department of Services for Children, Youth and Their Families, Prevention and Behavioral Health Services</del>	<del>Transformation Transfer Initiative</del>	<del>\$220,000</del>	<del>\$0</del>	<del>\$0</del>	<del>0.00</del>	<del>0.00</del>	<del>0.00</del>
9	<a href="#">2940</a>	Department of Education	Early Head Start Expansion	\$1,328,400	\$332,100	\$0	2.00	0.00	0.00
<b>Continued</b>									
10	<a href="#">2904</a>	Executive, Criminal Justice, Criminal Justice Council	Family Violence Prevention and Services Act	\$802,069	\$10,081	\$190,495	0.50	0.10	0.00
11	<a href="#">2905</a>	Executive, Criminal Justice, Criminal Justice Council	Victims of Crime Act - Victims Assistance	\$6,874,658	\$90,017	\$1,542,714	1.80	0.00	0.00
12	<a href="#">2946</a>	Executive, Criminal Justice, Criminal Justice Council	Services - Training - Officers - Prosecutors, Violence Against Women Formula Grant	\$943,114	\$96,559	\$103,609	0.50	0.30	0.00
13	<a href="#">2952</a>	Executive, Criminal Justice, Criminal Justice Council	Residential Substance Abuse Treatment	\$66,429	\$22,143	\$0	0.00	0.04	0.00
14	<a href="#">2956</a>	Executive, Criminal Justice, Criminal Justice Council	Edward Byrne Memorial Justice Assistance Grant	\$926,057	\$51,160	\$0	0.80	0.00	0.00
15	<a href="#">2957</a>	Executive, Criminal Justice, Criminal Justice Council	National Forensic Sciences Improvement Act - Coverdell	\$71,530	\$0	\$0	0.00	0.00	0.00
16	<a href="#">2974</a>	Executive, Criminal Justice, Criminal Justice Council	Children's Justice Act	\$88,789	\$0	\$0	0.00	0.00	0.00
17	<a href="#">2928</a>	Department of State, Human Relations/Commission for Women	Fair Housing Assistance Program	\$122,840	\$0	\$0	1.00	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	<a href="#">2948</a>	Department of State, Historical and Cultural Affairs, Office of the Director	Historic Preservation Grants-in-Aid	\$528,259	\$405,982	\$0	5.40	4.50	0.00
19	<a href="#">2949</a>	Department of State, Historical and Cultural Affairs, Office of the Director	Maritime Heritage Grant	\$254,415	\$0	\$0	0.00	0.00	0.00
20	<a href="#">2016-09-09-01</a>	Department of State, Regulation and Licensing, Public Service Commission	Natural Gas Pipeline Safety Base Grant	\$61,369	\$208,808	\$0	0.50	1.87	0.00
21	<a href="#">2740</a>	Department of Health and Social Services, Services for Aging and Adults with Physical Disabilities	Title III, Part B - Supportive Services	\$1,758,443	\$2,224,520	\$0	12.75	18.25	0.00
22	<a href="#">2795</a>	Department of Health and Social Services, Medicaid and Medical Assistance	Children's Health Insurance Program	\$32,078,376	\$8,609,317	\$0	0.83	0.84	0.00
23	<a href="#">2917</a>	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Vocational Rehabilitation - Blind (Basic Support)	\$1,455,127	\$393,827	\$0	17.00	3.00	0.00
24	<a href="#">2920</a>	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Supported Employment Services	\$42,000	\$2,333	\$0	0.00	0.00	0.00
25	<a href="#">2923</a>	Department of Health and Social Services, Visually Impaired, Visually Impaired Services	Independent Living Services for Older Individuals Who Are Blind	\$225,000	\$33,982	\$0	2.80	0.40	0.00
26	<a href="#">2958</a>	Department of Health and Social Services, Social Services	Supplemental Nutrition Assistance Program Process and Technology Improvement Grant	\$667,618	\$0	\$0	0.00	0.00	0.00
27	<a href="#">2959</a>	Department of Health and Social Services, Public Health, Community Health	Tuberculosis Elimination Program	\$172,636	\$0	\$0	2.05	0.00	0.00
28	<a href="#">2960</a>	Department of Health and Social Services, Public Health, Community Health	HIV Prevention	\$912,288	\$0	\$0	3.35	0.00	0.00
29	<a href="#">2962</a>	Department of Health and Social Services, Public Health, Community Health	HIV/AIDS Surveillance	\$286,479	\$0	\$0	3.50	0.00	0.00
30	<a href="#">2963</a>	Department of Health and Social Services, Public Health, Community Health	Improving Sexually Transmitted Disease Programs through Assessment, Assurance, Policy Development and Prevention Strategies	\$367,279	\$1,181,221	\$0	3.00	14.60	0.00
31	<a href="#">2967</a>	Department of Health and Social Services, Public Health, Community Health	Clinical Laboratory Improvement Amendments	\$42,026	\$0	\$0	0.60	0.00	0.00
32	<a href="#">2968</a>	Department of Health and Social Services, Public Health, Community Health	State Systems Development Initiative	\$100,000	\$0	\$0	0.00	0.00	0.00
33	<a href="#">2925</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Nonpoint Source Implementation Grant - Section 319	\$1,164,706	\$475,666	\$300,805	4.00	2.00	0.00
34	<a href="#">2931</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Recreational Boating Safety Financial Assistance	\$846,782	\$846,782	\$0	8.20	9.80	0.00
35	<a href="#">2932</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Anadromous Species Investigations	\$247,227	\$82,409	\$0	2.67	0.01	0.00
36	<a href="#">2935</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Raptor Monitoring and Management	\$63,000	\$21,000	\$0	0.00	0.07	0.00
37	<a href="#">2937</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Freshwater Fisheries Management Program	\$41,820	\$13,940	\$0	0.43	0.07	0.00

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38	<a href="#">2966</a>	Department of Natural Resources and Environmental Control, Office of Natural Resources, Watershed Stewardship	Local Cooperation Agreement - Delaware Coast Protection Project	\$142,626	\$207,334	\$0	0.10	0.15	0.00
39	<a href="#">2866</a>	Department of Safety and Homeland Security, Office of the Secretary, Division of Forensic Science	DNA Backlog Reduction Program	\$325,585	\$0	\$0	0.00	0.00	0.00
40	<a href="#">2934</a>	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Instant Criminal Background Check System Act - Record Improvement Program	\$72,000	\$0	\$0	0.00	0.00	0.00
41	<a href="#">2947</a>	Department of Safety and Homeland Security, State Police, State Bureau of Identification	National Criminal History Improvement Program	\$83,000	\$9,222	\$0	0.00	0.00	0.00
42	<a href="#">2929</a>	Department of Labor, Administration, Office of Occupational and Labor Market Information	Labor Market Information	\$526,822	\$0	\$0	8.50	0.00	0.00
43	<a href="#">2942</a>	Department of Labor, Employment Training, Employment and Training Services	Work Opportunity Tax Credit	\$66,000	\$0	\$0	1.00	0.00	0.00
44	<a href="#">2943</a>	Department of Labor, Employment Training, Employment and Training Services	Labor Certification for Foreign Workers	\$104,573	\$0	\$0	1.00	0.00	0.00
45	<a href="#">2936</a>	Department of Education	Head Start Collaboration	\$125,000	\$25,000	\$0	0.75	0.00	0.00

**Higher Education**

1	2016-11-05-01	HE/University of Delaware	DNA-Linked ECM Gels For Enhanced Healing in Chronic Wounds	\$128,205	\$0	\$0			
2	2016-11-05-02	HE/University of Delaware	Effect of Treatment Duration on Recovery From Achilles Tendinopathy: Is Three Months Really Enough?	\$1,880,024	\$0	\$0			
3	2016-11-05-03	HE/University of Delaware	Dual Effect of Vitamin D3 Metabolites on Osteoblasts	\$1,250,000	\$0	\$0			
4	2016-11-05-04	HE/University of Delaware	Impact of Botulinum Toxin and Vibration on Muscle Quality and Physical Activity in Children with Cerebral Palsy	\$2,474,807	\$0	\$0			
5	2016-11-05-05	HE/University of Delaware	Lego Foundation Cross-cultural Pilot Project	\$0	\$0	\$1,500			
6	2016-11-05-06	HE/University of Delaware	Evaluating the Nesting Ecology of American Black Duck in Coastal North Carolina with Implications in Future Sea Level Rise Scenarios	\$0	\$0	\$32,420			
7	2016-11-05-07	HE/University of Delaware	Quantifying Wintering Mid-Atlantic Black Duck Occupancy Dynamics as a Function of Landscape Composition	\$0	\$0	\$32,107			
8	2016-11-05-08	HE/University of Delaware	Understanding Protease Expression and Activity in Mammalian Cell Culture	\$0	\$0	\$169,872			

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9	2016-11-05-09	HE/University of Delaware	High Throughput Manufacturing of Biodegradable Polymer Nanofibers Using an AFM Tip Array and a Roll-to-Roll Collection System	\$133,158	\$0	\$0			
10	2016-11-05-10	HE/University of Delaware	Treatment of Stress-Related Psychopathology: Targeting Maladaptive and Adaptive Event Processing	\$0	\$0	\$676,392			
11	2016-11-05-11	HE/University of Delaware	Consequences and Control of Randomness in Timing of Intracellular Events	\$1,081,875	\$0	\$0			
12	2016-11-05-12	HE/University of Delaware	Next Generation PhD Training in African American Public Humanities at the University of Delaware	\$0	\$0	\$300,000			
13	2016-11-05-13	HE/University of Delaware	NSF Collaborative Research: Multi-Perspective Evacuation Performance Measurement REU	\$8,000	\$0	\$0			
14	2016-11-05-14	HE/University of Delaware	A Novel Physical Therapist Delivered Physical Activity Intervention After TKR: A Pilot Study	\$275,000	\$0	\$0			
15	2016-11-05-15	HE/University of Delaware	Multicenter Career Development Program for Physical and Occupational Therapy	\$0	\$0	\$200,761			
16	2016-11-05-16	HE/University of Delaware	2017 Proposal for Special Initiative on Offshore Wind	\$0	\$0	\$454,546			
17	2016-11-05-17	HE/University of Delaware	Translational Research in Novel Carbon Nanotube-Based Sensors for Process and Structural Health Monitoring	\$128,205	\$0	\$0			
18	2016-11-05-18	HE/University of Delaware	Collaborative Research: Synthesis, Structural Characterization and Electrochemical Studies of Framework Substituted Silicon, Germanium and Tin Clathrates	\$200,969	\$0	\$0			
19	2016-11-05-19	HE/University of Delaware	Role of Anti-Androgenic EDCs in Fetal Gubernaculum Morphogenesis	\$0	\$0	\$52,824			
20	2016-11-05-20	HE/University of Delaware	Propose and Plan SCASS for the Year, Including Meetings and Policy Papers Following Each Meeting	\$0	\$0	\$31,496			
21	2016-11-05-21	HE/University of Delaware	A Study to Assess the Effect of Tow Duration and Estimate Dredge Efficiency for the Virginia Institute of Marine Science's Sea Scallop Dredge Survey	\$0	\$0	\$130,428			
22	2016-11-05-22	HE/University of Delaware	A Study of Incidental Mortality in Sea Scallops Investigating Predator Response and Size Selective Rates Of Mortality From BACI Image Surveys	\$380,047	\$0	\$0			

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23	2016-11-05-23	HE/University of Delaware	Next Generation High Resolution mm-Wave SAR Imaging for Automotive Application	\$0	\$0	\$100,161			
24	2016-11-05-24	HE/University of Delaware	Studies on Biology and Natural Enemies of Spotted Lantern Fly	\$77,638	\$0	\$0			
25	2016-11-05-25	HE/University of Delaware	Effects of Coastal Pollution on Chemically-Mediated Recruitment and Resilience	\$0	\$0	\$9,147			
26	2016-11-05-26	HE/University of Delaware	Proposal for Special Initiative on Offshore Wind	\$0	\$0	\$29,734			
27	2016-11-05-27	HE/University of Delaware	Impact of the Philadelphia Soda Tax on Prices, Purchase and Consumption of Sugar Sweetened Beverages	\$0	\$0	\$195,541			
28	2016-11-05-28	HE/University of Delaware	Profiles and Progress in Spanish English Bilinguals with Language Impairment: Development of a Criterion Reference Measure	\$0	\$0	\$387,350			
29	2016-11-05-29	HE/University of Delaware	Early Career: Transforming Earth Science Research Through Acquisition of a Laser Ablation-ICP-MS and Integration with Existing ICP-MS Capabilities at the University of Delaware	\$669,877	\$0	\$0			
30	2016-11-05-30	HE/University of Delaware	NeTS: Medium: Collaborative Research: In-Band Full-Duplex Underwater Acoustic Networks	\$499,925	\$0	\$0			
31	2016-11-05-31	HE/University of Delaware	Modular Manufacturing Workshop	\$34,990	\$0	\$0			
32	2016-11-05-32	HE/University of Delaware	Hippocampal-Prefrontal Synchrony in Working Memory	\$87,623	\$0	\$0			
33	2016-11-05-33	HE/University of Delaware	Optically Fed Phased Array Technology for Next Generation 60 GHz Wireless Networks	\$0	\$0	\$98,427			
34	2016-11-05-34	HE/University of Delaware	NeuroNex Technology Hub: Brain MechaNex -- Enabling High-Resolution MR Elastography in Neuroscience	\$0	\$0	\$1,231,912			
35	2016-11-05-35	HE/University of Delaware	Shelf-Basin Exchange near 79N Glacier and Zachariae Isström, North-East Greenland	\$315,996	\$0	\$0			
36	2016-11-05-36	HE/University of Delaware	Mobile-Based Reinforcement for Indicated FASD Prevention in South Africa	\$467,641	\$0	\$0			

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37	2016-11-05-37	HE/University of Delaware	Measuring fNIRS-Based Functional Connectivity in Cortical Networks of Infants Below Two Years of Age	\$275,000	\$0	\$0			
38	2016-11-05-38	HE/University of Delaware	Visual-Inertial Navigation and Mapping	\$0	\$0	\$98,418			
39	2016-11-05-39	HE/University of Delaware	UNC-Greensboro & NC Division of Child Development and Early Education	\$0	\$0	\$6,824			
40	2016-11-05-40	HE/University of Delaware	BBN/ARL NS CTA #13765 PY 8 and 9 Cotton	\$0	\$0	\$37,832			
41	2016-11-05-41	HE/University of Delaware	Collaborative Research: Rapid Label-Free Screening of Thermostabilized GPC	\$152,095	\$0	\$0			
42	2016-11-05-42	HE/University of Delaware	Understanding Molecular Driving Forces to Tailor Macromolecular Materials with Dual-Thermoresponsive Behavior	\$266,244	\$0	\$0			
43	2016-11-05-43	HE/University of Delaware	Collaborative Research: MSB-FRA: Integrating Major North American Forest Cover Types with MacroSystem-scale Canopy Ecohydrological Processes	\$514,754	\$0	\$0			
44	2016-11-05-44	HE/University of Delaware	Hybrid Bio-Nanoparticles for Targeted Cargo Delivery to Stem Cells	\$398,297	\$0	\$0			
45	2016-11-05-45	HE/University of Delaware	Longitudinal Study on the Interactions of Nutrition and the Microbiome in Infants: Functional Effects on the Guanylyl Cyclase C Satiety Pathway	\$0	\$0	\$16,780			
46	2016-11-05-46	HE/University of Delaware	Integrating Mobile and Wearable Technology to Promote Physical Activity and Sleep among Midlife Adults: The Be SMART for Heart Health Trial	\$285,050	\$0	\$0			
47	2016-11-05-47	HE/University of Delaware	Therapeutic Intervention and Prefrontal Cortex Plasticity in FASD Animal Model	\$1,550,134	\$0	\$0			
48	2016-11-05-48	HE/University of Delaware	CUAHSI Pathfinder Graduate Student Fellowships 2016-2017	\$0	\$0	\$5,000			
49	2016-11-05-49	HE/University of Delaware	NOAA NWS National Mesonet	\$0	\$0	\$12,238			
50	2016-11-05-50	HE/University of Delaware	A Novel Process for Electrochemical Reduction of CO2 to C2/C3 Products	\$202,589	\$0	\$0			

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51	2016-11-05-51	HE/University of Delaware	Cell-Culture Engineering: From Stem Cells to Functional Extracellular Vesicles	\$396,903	\$0	\$0			
52	2016-11-05-52	HE/University of Delaware	Collaborative Research: Injectable Solid Beta-Hairpin Hydrogels for 3-D in Vitro Mimic of the Outer Cerebellum	\$306,619	\$0	\$0			
53	2016-11-05-53	HE/University of Delaware	Collaborative Research: GEM: The Condition, Stability & Interaction of Solitary Reconnection X-Lines in Earth's Magnetotail	\$26,133	\$0	\$0			
54	2016-11-05-54	HE/University of Delaware	SHF: Large: Collaborative Research: High Performance Computing Meets Data Analytics: Next Generation Molecular Dynamics Workflows	\$526,473	\$0	\$0			
55	2016-11-05-55	HE/University of Delaware	Chip Design/Air Force HDILED Service Agreement Phase 3, \$20k Increment-KIAMILEV	\$0	\$0	\$20,000			
56	2016-11-05-56	HE/University of Delaware	Perform Ammonia Mass Flow Measurement for Matching Broiler Poultry Grow Houses, Located Near Frankford, Delaware	\$0	\$0	\$5,453			
57	2016-11-05-57	HE/University of Delaware	Sony Focused Research Award in Next Generation Novel Display Systems Topic Area, Arce	\$0	\$0	\$115,897			
58	2016-11-05-58	HE/University of Delaware	Malware Analysis for the Generation of Important Characteristics (MAGIC)	\$0	\$0	\$121,830			
59	2016-11-05-59	HE/University of Delaware	Targeted Neuromuscular Training to Improve Function After Hip Arthroscopy: An Exploratory Trial	\$0	\$0	\$19,104			
60	2016-11-05-60	HE/University of Delaware	Microbial Community Structure and Function of Hydrocarbon Reservoirs and Associated Seeps through Metagenomics	\$0	\$0	\$96,154			
61	2016-11-05-61	HE/University of Delaware	Engineering the Methanol Homologation Reaction for Chemicals and Fuel Production	\$215,250	\$0	\$0			
62	2016-11-05-62	HE/University of Delaware	MSB-FRA: Near Real-Time Ecological Risk Modeling (NRTERM): Predicting Emergent Macro-Scale Responses of Ecosystems To Global Change Using Interactive Bird-Environment Dynamics	\$240,840	\$0	\$0			
63	2016-11-05-63	HE/University of Delaware	Collaborative Research: The Relationship of Cascade, Reconnection, & Heating in Heliospheric Plasma Turbulence	\$321,165	\$0	\$0			
64	2016-11-05-64	HE/University of Delaware	Fate of Cadmium Under Engineered Physico-Chemical Gradients in the Soil-Water-Rice Nexus	\$173,496	\$0	\$0			

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65	2016-11-05-65	HE/University of Delaware	Promoting Small Business Support of Youth Physical Activity in Low-Income, Minority Neighborhoods	\$275,000	\$0	\$0			
66	2016-11-05-66	HE/University of Delaware	Persistent Endothelial Dysfunction in Women with Pre-Eclampsia	\$0	\$0	\$30,000			
67	2016-11-05-67	HE/University of Delaware	Estimating Spring Atlantic Sturgeon Spawning Runs in the Delaware and Hudson Rivers	\$140,978	\$0	\$0			
68	2016-11-05-68	HE/University of Delaware	DASL will Provide Cornerstone Christian Academy (Through Elwyn and the School District of Philadelphia) with 8 days of In-Classroom Coaching on Responsive Classroom	\$0	\$0	\$4,512			
69	2016-11-05-69	HE/University of Delaware	Predicting Heterogeneous Neurodevelopmental Outcomes in School-aged Children with Early Caregiving Adversities	\$0	\$0	\$53,065			
70	2016-11-05-70	HE/University of Delaware	SHF: Medium: Collaborative Research: Modular Verification of Scientific Programs	\$336,416	\$0	\$0			
71	2016-11-05-71	HE/University of Delaware	Collaborative Research: Effects of Finite-Size Solid Particles on Flow Transition and Turbulence in a Circular Pipe	\$152,366	\$0	\$0			
72	2016-11-05-72	HE/University of Delaware	Biomimic Electrocatalysts for Dinitrogen Reduction Under Near Ambient Conditions	\$199,359	\$0	\$0			
73	2016-11-05-73	HE/University of Delaware	Collaborative Research: GOALI: Mechanistic Design Strategies to Mediate Aggregation of Therapeutic Proteins	\$227,461	\$0	\$0			
74	2016-11-05-74	HE/University of Delaware	Understanding Chemical Cues in Settlement Site Selection on Coral Reefs Could Lead to More Effective Marine Management	\$0	\$0	\$1,009,906			
75	2016-11-05-75	HE/University of Delaware	Development, Validation, and Implementation of a Tissue Engineered, In Vitro Microstroke Model	\$402,523	\$0	\$0			
76	2016-11-05-76	HE/University of Delaware	Measuring the Impact of Healthy Food Marketing Strategies in Low Income Supermarkets to Examine the Ultimate Impact on Unhealthy Food Choices and Overeating	\$0	\$0	\$20,878			
77	2016-11-05-77	HE/University of Delaware	Exploiting Heterogeneity to Develop Multisize Alloy Quantum Dot Photovoltaics	\$205,369	\$0	\$0			
78	2016-11-05-78	HE/University of Delaware	Multiscale and Thermodynamically Consistent Modeling of Thixotropic Suspensions	\$197,713	\$0	\$0			

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79	2016-11-05-79	HE/University of Delaware	Self-healing Composite Membranes with Time-Controlled Release of Free Radical Scavengers for Fuel Cell Applications	\$293,839	\$0	\$0			
80	2016-11-05-80	HE/University of Delaware	NSF Entropy Inequalities for Structured Functions CCF Medium	\$620,129	\$0	\$0			
81	2016-11-05-81	HE/University of Delaware	Responsive and Tunable Immunotherapies for Patient-Specific Treatment Regimens	\$280,202	\$0	\$0			
82	2016-11-05-82	HE/University of Delaware	Multiscale Plenoptic Imaging and Direct Computation of Turbulent Channel Flows Laden with Finite Size Solid Particles	\$203,835	\$0	\$0			
83	2016-11-05-83	HE/University of Delaware	SHF:Medium:Collaborative Research:Hardware-Assisted Fine-Grain Multithreading	\$307,551	\$0	\$0			
84	2016-11-05-84	HE/University of Delaware	Activating Methane by Combining Dehydroaromatization with Chemical Looping	\$213,376	\$0	\$0			
85	2016-11-05-85	HE/University of Delaware	Technology Testbed for Finding and Characterizing Long-Term Underwater Aircraft Wreckage	\$0	\$0	\$327,812			
86	2016-11-05-86	HE/University of Delaware	Development of Fluorine NMR as a Versatile Probe of Structure and Chemical Environments in Proteins	\$359,812	\$0	\$0			
87	2016-11-05-87	HE/University of Delaware	Methane Storage and Activation with Porous Liquids	\$0	\$0	\$110,000			
88	2016-11-05-88	HE/University of Delaware	Experimental and Computational Investigation of Photooxidation and Reactive Oxygen Species Production of Polycyclic Aromatic Hydrocarbons	\$0	\$0	\$110,000			
89	2016-11-05-89	HE/University of Delaware	Nanocomposite Scalable Processing and Computational Engineering (N-SPACE) Institute	\$11,624,915	\$0	\$0			
90	2016-11-05-90	HE/University of Delaware	Modification to AASHTO Cross-Frame Analysis and Design	\$0	\$0	\$135,298			
91	2016-11-05-91	HE/University of Delaware	Controlled Flow to Produce New Materials for Fused Deposition Modeling	\$210,682	\$0	\$0			
92	2016-11-05-92	HE/University of Delaware	Astroparticle Physics with the VERITAS & CTA Gamma-Ray Observatories	\$486,122	\$0	\$0			

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<i>Item</i>	<i>SA#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Funding</i>			<i>Positions</i>		
				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
93	2016-11-05-93	HE/University of Delaware	First-Passage Time Approach for Modeling Stochastic Timing Phenomenon Inside Single Cells	\$142,630	\$0	\$0			
94	2016-11-05-94	HE/University of Delaware	Impact of Diet Composition During Infancy on Energy Balance, Satiety and Growth	\$0	\$0	\$399,190			
95	2016-11-05-95	HE/University of Delaware	Perceptual Learning and Memory Consolidation in Adults With and Without Language Impairment	\$311,395	\$0	\$0			
96	2016-11-05-96	HE/University of Delaware	Thermophysical Property Characterization of Decomposing Aerospace Materials	\$0	\$0	\$25,710			
97	2016-11-05-97	HE/University of Delaware	Arctic Ocean Ecosystems - Applied Technology, Biological Interactions and Consequences in an Era of Abrupt Climate Change	\$0	\$0	\$36,835			
98	2016-11-05-98	HE/University of Delaware	Responses of Forest Breeding Bird to Hemlock Woolly Adelgid Outbreaks at Shenandoah National Park	\$12,000	\$0	\$0			
99	2016-11-05-99	HE/University of Delaware	Mapping the Materialome of Biomaterial Hydrogels	\$221,423	\$0	\$0			
100	2016-11-06-01	HE/University of Delaware	Dance Interventions for Children with Autism	\$48,071	\$0	\$0			
101	2016-11-06-02	HE/University of Delaware	Air Force/4-H Military Partnership and Outreach Support	\$0	\$0	\$18,182			
102	2016-11-06-03	HE/University of Delaware	Richenthal Foundation Support for Tartuffe Robbins 16-17	\$0	\$0	\$10,000			
103	2016-11-06-04	HE/University of Delaware	Stochastic Inference and Control of Complex Biological Networks	\$168,273	\$0	\$0			
104	2016-11-06-05	HE/University of Delaware	InP-Based Bismuth-Containing Semiconductors for Mid-Infrared Lasers	\$304,214	\$0	\$0			
105	2016-11-06-06	HE/University of Delaware	Anisotropic Spin Relaxation in Mesoscopic Metallic Channels	\$250,448	\$0	\$0			
106	2016-11-06-07	HE/University of Delaware	MURI: Unraveling the Biology, Chemistry and Nanoscience of Natural and Synthetic Melanins	\$0	\$0	\$753,292			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
107	2016-11-06-08	HE/University of Delaware	Development of Chemical Approaches for Decoding the Non-Canonical Polyubiquitin Chains	\$365,288	\$0	\$0			
108	2016-11-06-09	HE/University of Delaware	A Novel Physical Therapy Administered Physical Activity Intervention After TKR	\$421,708	\$0	\$0			
109	2016-11-06-10	HE/University of Delaware	Development of Image Analysis Algorithms for 3D Ice	\$0	\$0	\$66,499			
110	2016-11-06-11	HE/University of Delaware	Understanding the Predator Recognition Process Through Gut Microbial Community in Coral Reef Fishes	\$0	\$0	\$9,091			
111	2016-11-06-12	HE/University of Delaware	Application of Molecular Probes for Early Identification of ASR Damage in Concrete	\$0	\$0	\$48,331			
112	2016-11-06-13	HE/University of Delaware	Predicting Stress Effects on Quantum Confinement in Hybrid Van der Waals Heterostructures	\$205,369	\$0	\$0			
113	2016-11-06-14	HE/University of Delaware	Collaborative Research: Compact Sources and Detectors for Terahertz Pulses via 1.55µm Photoconductive Switches	\$283,533	\$0	\$0			
114	2016-11-06-15	HE/University of Delaware	Reversible Modification of Hydrogels With Functional Peptides via Light-Activated Sortase A ligation	\$313,366	\$0	\$0			
115	2016-11-06-16	HE/University of Delaware	Ultra-Efficient Computation of Electromagnetic Scattering with Entire Domain Basis Functions & Computational Conformal Geometry	\$296,037	\$0	\$0			
116	2016-11-06-17	HE/University of Delaware	Synthesis of Multimeric Proteins using Bioorthogonal Linker Chemistry	\$395,685	\$0	\$0			
117	2016-11-06-18	HE/University of Delaware	Collaborative Research: Supramolecular Assembly and Covalent Stabilization of Nonbiological Peptidic Structures	\$261,956	\$0	\$0			
118	2016-11-06-19	HE/University of Delaware	Biomimetic Acyltransferases: Intracellular Acyl Transfer Catalysts	\$374,856	\$0	\$0			
119	2016-11-06-20	HE/University of Delaware	Hydroxylation Dependent (Photo) Chemical Reactivity at Metal Oxide Interfaces	\$272,285	\$0	\$0			
120	2016-11-06-21	HE/University of Delaware	Connecting Particle Phase Chemistry With Airborne Nanoparticle Growth	\$355,839	\$0	\$0			

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121	2016-11-06-22	HE/University of Delaware	Collaborative Research: Chain-based Nanomaterials Based on Computationally Designed, Chemically Modified Biopolymers	\$263,456	\$0	\$0			
122	2016-11-06-23	HE/University of Delaware	Collaborative Proposal: Infews N/P/H2O: Supramolecular Recognition in the Biocatalytic Transformation of Organic Phosphorus-Containing Environmental Matrices	\$111,756	\$0	\$0			
123	2016-11-06-24	HE/University of Delaware	Collaborative Research: Thermal Transport in Organic-Inorganic Hybrid Perovskites	\$160,973	\$0	\$0			
124	2016-11-06-25	HE/University of Delaware	Total Knee Arthroplasty Outcomes in Older and Younger Patients	\$450,000	\$0	\$0			
125	2016-11-06-26	HE/University of Delaware	Measuring Expectations in Patients Awaiting Total Knee Replacement	\$0	\$0	\$12,000			
126	2016-11-06-27	HE/University of Delaware	Sunscreen Negatively Effects the Development and Survival of the Atlantic Horseshoe Crab, Limulus Polyphemus	\$0	\$0	\$5,000			
127	2016-11-06-28	HE/University of Delaware	Integration of Resonant Tunneling Diodes/High Electron Mobility Transistors and Resonant Tunneling Diodes/Heterojunction Bipolar Transistors for Circuit Applications	\$229,849	\$0	\$0			
128	2016-11-06-29	HE/University of Delaware	NSF Secure IoT Devices against Hardware Trojans Yang	\$298,005	\$0	\$0			
129	2016-11-06-30	HE/University of Delaware	Collaborative Research: Underwater Acoustic Communications Using Analog Joint Source-Channel Coding	\$255,650	\$0	\$0			
130	2016-11-06-31	HE/University of Delaware	100 GHz per Channel Silicon Photonic Network-on-Chip	\$214,752	\$0	\$0			
131	2016-11-06-32	HE/University of Delaware	Giant Surface Response Nanostructure with Large Wave Vector Plasmonic Resonances & Electrophoretic Capture Methods Based Sensing Platform for Proteins in Complex Media	\$604,744	\$0	\$0			
132	2016-11-06-33	HE/University of Delaware	Collaborative research: Tunable and Dynamic Peptide-Based Biomaterials Inspired by Nucleoporin Proteins	\$190,438	\$0	\$0			
133	2016-11-06-34	HE/University of Delaware	An Uncooled, High-Performance, Graphene Enables Optical Rectenna	\$0	\$0	\$45,654			
134	2016-11-06-35	HE/University of Delaware	PADE Communities in Schools 6/17 Partner Organization	\$0	\$0	\$10,000			

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Item	SA#	Applicant	Project Title	Funding			Positions		
				Federal	State	Other	Federal	State	Other
135	2016-11-06-36	HE/University of Delaware	Support for Unexploded Ordnance Survey Methodology Investigation for Clearing Renewable Energy Sites on the Atlantic Outer Continental Shelf	\$0	\$0	\$44,264			
136	2016-11-06-37	HE/University of Delaware	Biasing Degradation and Source Tracking of Glyphosate in the Environment	\$0	\$0	\$248,081			
137	2016-11-06-38	HE/University of Delaware	An Equity Analysis of the Bikeshare Program in Baltimore	\$0	\$0	\$39,230			
138	2016-11-06-39	HE/University of Delaware	Planning Methodologies for Transportation System Preparedness and Resilience to Combined Storm Surge	\$0	\$0	\$68,487			
139	2016-11-06-40	HE/University of Delaware	Planning for Coastal Resilience: Planning to Fail or Failing to Plan	\$0	\$0	\$40,171			
140	2016-11-06-41	HE/University of Delaware	Removing Nitrate from Stormwater with Biochar Amendment to Roadway Soils	\$0	\$0	\$73,259			
141	2016-11-06-42	HE/University of Delaware	Deep Computing and Modeling of Turbulent Particle-Laden Flows on Scalable Heterogeneous Computers	\$199,388	\$0	\$0			
142	2016-11-06-43	HE/University of Delaware	Unlocking the Black Box of Microbial Epigenetics	\$0	\$0	\$1,000,000			
143	2016-11-06-44	HE/University of Delaware	PEW Charitable Trusts Gleghorn 16	\$0	\$0	\$222,224			
144	2016-11-06-45	HE/University of Delaware	ECOHAB 2017: The Role of Nitric Oxide in Promoting Heterosigma Blooms	\$558,394	\$0	\$0			
145	2016-11-06-46	HE/University of Delaware	ECOHAB 2017: Expanding New Technologies to Determine the Life Cycle and Impact of Dinophysis Acuminata in Maryland's Coastal Bays	\$633,967	\$0	\$0			
146	2016-11-06-47	HE/University of Delaware	Characterization of Atlantic Sturgeon Spawning and Early Life History Requirements in the Hudson River Hyde Park Reach	\$0	\$0	\$47,957			
147	2016-11-06-48	HE/University of Delaware	Collaborative Research: New Developments in High-Dimensional Sufficient Dimension Reduction	\$110,798	\$0	\$0			
148	2016-11-06-49	HE/University of Delaware	Random Combinatorial Structures and Their Diffusive Limits	\$179,354	\$0	\$0			

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Item	SA#	Applicant	Project Title	Funding			Positions		
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149	2016-11-06-50	HE/University of Delaware	Study of Chloroplast Stromules During PCD and Inter-Organellar Communication	\$0	\$0	\$784,837			
150	2016-11-06-51	HE/University of Delaware	Simons Investigator Award-Mokshay Madiman	\$0	\$0	\$550,000			
151	2016-11-06-52	HE/University of Delaware	Vascular Effects of Dietary Salt in Humans With Salt-Resistant BP	\$1,981,900	\$0	\$0			
152	2016-11-06-53	HE/University of Delaware	Modeling and Designing Optimal Electric Vehicle Charging Station Locations - The Four-Step Approach Towards Theory in Praxis	\$0	\$0	\$31,649			
153	2016-11-06-54	HE/Delaware State University	Delaware Center for Neuroscience Research- COBRE Phase II	\$11,034,838	\$0	\$680,045			
154	2016-11-06-55	HE/Delaware State University	A Multi Scale Differential Approach to Detection of Indoor-Outdoor Transitions for Autonomous Wheelchairs	\$287,473	\$0	\$0			
155	2016-11-06-56	HE/Delaware State University	Developing Baseline Population Statistics and Genetic Diversity Analysis to Assess Restoration Efforts of the Eastern Oyster Crassostrea Virginia in Delaware Inland Bays	\$10,000	\$0	\$0			
156	2016-11-06-57	HE/Delaware State University	GEOPATHS-IMPACT: Collaborative Links to Ocean Science and Earth Science Graduate Academic Programs (CLOSES-GAP)	\$14,880	\$0	\$0			
157	2016-11-06-58	HE/Delaware State University	Study of Cardiovascular Risk Factors in Ghana: Does Formal Education Play A Role In Risk Reduction	\$141,699	\$0	\$0			
158	2016-11-06-59	HE/Delaware State University	Regulation of Gene Expression by the CD-44-ICD Signaling Pathway	\$299,993	\$0	\$0			
159	2016-11-06-60	HE/Delaware State University	Synergistic Toxicities of Pesticide Combinations in Parkinson's disease models	\$146,000	\$0	\$0			
160	2016-11-06-61	HE/Delaware State University	RUI: Rapid Detection of Salmonella Typhimurium by Microfluidic Based Devices with Surface Enhanced Raman Spectroscopy	\$299,456	\$0	\$0			
161	2016-11-06-62	HE/Delaware State University	Estimation of Atlantic Sturgeon Spring Spawning Runs in the Delaware and Hudson Rivers	\$1,441,562	\$0	\$0			
162	2016-11-06-63	HE/Delaware State University	Small Business Development Center -Year 3	\$19,985	\$0	\$0			

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				<i>Federal</i>	<i>State</i>	<i>Other</i>	<i>Federal</i>	<i>State</i>	<i>Other</i>
163	2016-11-06-64	HE/Delaware State University	Investigations of the mechanism of the novel microtubule-targeting agent eribulin by opticle methods	\$414,343	\$0	\$0			
164	2016-11-06-65	HE/Delaware State University	Transgenic Accumulation & in Sita Activation of Lignolytic Peroxidases	\$306,740	\$0	\$0			
165	2016-11-06-66	HE/Delaware State University	Delaware State University-Promoting Engagement and Access in Science (DSU-PEAS)	\$1,000,000	\$0	\$0			
166	2016-11-06-67	HE/Delaware State University	Tuning Naturally-Occurring Pyrite Compositions toward a Paradigm Shift in Pyrite Optoelectronic Properties	\$299,587	\$0	\$0			
167	2016-11-06-68	HE/Delaware State University	EXTRA - Delaware State University Geoscience Apprentices Program	\$391,741	\$0	\$0			
168	2708	HE/Delaware Technical and Community College	Rural Business Development Grant	\$20,400	\$0	\$0			
169	2912	HE/Delaware Technical and Community College	DEMAP National Institute of Standards and Technology	\$500,000	\$0	\$0			
170	2999	HE/Delaware Technical and Community College	Upward Bound Classic Program	\$257,500	\$0	\$0			