

Delaware State Clearinghouse Committee
April Agenda
Meeting to be Held Virtually - Anchor Location 122 Martin Luther King Jr Blvd S, Haslet Armory, Dover, DE 19901
April 19, 2022 @ 10:00am

| <i>Item</i> | <i>SA#</i> | <i>Applicant</i> | <i>Project Title</i> | <i>Federal</i> | <i>Funding State</i> | <i>Other</i> | <i>Federal</i> | <i>Positions State</i> | <i>Other</i> |
|-------------------------|-------------------------|---|--|----------------|----------------------|--------------|----------------|------------------------|--------------|
| New Business* | | | | | | | | | |
| 1 | 5280 | Department of Health and Social Services, Public Health, Community Health | Harm Reduction | \$400,000 | \$0 | \$0 | 0.10 | 0.00 | 0.00 |
| 2 | 5317 | Department of Labor, Unemployment Insurance | Fraud Detection and Prevention - ARP COVID-19 | \$1,228,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| Continued | | | | | | | | | |
| 1 | 5222 | Department of Health and Social Services, Public Health, Community Health | Personal Responsibility Education Program | \$250,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 2 | 5235 | Department of Health and Social Services, Public Health, Community Health | Improving the Health of Americans through Prevention and Management of Diabetes and Heart Disease and Stroke | \$1,888,596 | \$0 | \$0 | 5.05 | 0.00 | 0.00 |
| 3 | 5237 | Department of Health and Social Services, Public Health, Community Health | Maternal, Infant & Early Childhood Home Visiting Supplement - ARP COVID-19 | \$695,572 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 4 | 5282 | Department of Health and Social Services, Social Services | Supplemental Nutrition Assistance Program Employment and Training - Operations | \$244,860 | \$244,860 | \$0 | 0.00 | 0.00 | 0.00 |
| 5 | 5283 | Department of Health and Social Services, Social Services | Supplemental Nutrition Assistance Program Employment and Training - Administration | \$207,005 | \$0 | \$0 | 0.67 | 0.00 | 0.00 |
| 6 | 5285 | Department of Health and Social Services, Public Health, Community Health | Public Health Crisis Response | \$5,000,000 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 7 | 5286 | Department of Health and Social Services, Public Health, Community Health | Strategic Prevention Framework for Prescription Drugs | \$384,000 | \$0 | \$0 | 0.20 | 0.00 | 0.00 |
| 8 | 5288 | Department of Health and Social Services, Public Health, Community Health | Milk and Shellfish Grant Program | \$4,492 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 9 | 5289 | Department of Health and Social Services, Public Health, Community Health | State Office of Rural Health | \$223,410 | \$1,127,972 | \$0 | 1.25 | 0.00 | 0.00 |
| 10 | 5291 | Department of Health and Social Services, State Service Centers | Foster Grandparent Program Grant | \$576,090 | \$576,090 | \$0 | 0.50 | 0.50 | 0.00 |
| 11 | 5302 | Department of Health and Social Services, Social Services | Supplemental Nutrition Assistance Program Employment and Training - Participation Reimbursement | \$58,515 | \$58,515 | \$0 | 0.00 | 0.00 | 0.00 |
| 12 | 5319 | Department of Health and Social Services, Social Services | Supplemental Nutrition Assistance Program - ARP COVID-19 | \$995,821 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 13 | 5287 | Department of Services for Children, Youth and Their Families, Division of Management and Support Services, Family Services, Intervention/Treatment | Title IV-E Kinship Navigator Program | \$208,756 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| 14 | 5278 | Department of Agriculture, Animal Health | Animal Disease Traceability | \$6,146 | \$0 | \$0 | 0.00 | 0.00 | 0.00 |
| Higher Education | | | | | | | | | |
| 1 | 2021-11-06-30 Amendment | Delaware State University | Strategies to Effectively Promote Vaccination for Universal Coverage Project (STEP-For-U Project): Social Capital, Health Literacy | \$203,698 | \$0 | -\$203,698 | | | |
| 2 | 2022-04-02-01 | Delaware State University | Joint-Program to Promote the State of Delaware to Attract International Students | \$1,700,000 | \$0 | \$0 | | | |
| 3 | 2022-04-02-02 | Delaware State University | H-1B Workforce Grant Program | \$9,193,902 | \$0 | \$0 | | | |
| 4 | 2022-04-02-03 | Delaware State University | Innovation Lab on Sustainable Intensification | \$241,250 | \$0 | \$0 | | | |
| 5 | 2022-04-02-04 | Delaware State University | Acetylcholinergic Neurotransmission During Aging | \$92,952 | \$0 | \$0 | | | |
| 6 | 2022-04-02-05 | Delaware State University | UCLA-DSU Summer Enrichment Neuroscience Experience | \$237,557 | \$0 | \$0 | | | |
| 7 | 2022-04-02-06 | Delaware State University | High-Efficiency, Zero Emissions MW-Assisted Catalysis for Hydrogen and Chemicals | \$74,761 | \$0 | \$0 | | | |

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| 8 | 2022-04-02-07 | Delaware State University | Developing Integrated Evaluation Capacity for DSU RISE Programs | \$96,210 | \$0 | \$0 |
| 9 | 2022-04-02-08 | Delaware State University | Broadening Participation in the Natural Sciences Through a Training Program in Field Ornithology | \$204,640 | \$0 | \$0 |
| 10 | 2022-04-02-09 | Delaware State University | "Building STEAM at DSU" STEM Experiential, Academic, and Mentoring Pilot Program at Delaware State University | \$826,876 | \$0 | \$0 |
| 11 | 2022-04-02-10 | Delaware State University | Champlain Hudson Power Express- Sturgeon Monitoring Study | \$581,888 | \$0 | \$581,888 |
| 12 | 2022-04-09-01 | University of Delaware | Collaborative Research: Stemflow and Solute Transport Across Spatial Scales: From Fine-Grained Representation to Stand Structure | \$185,911 | \$0 | \$0 |
| 13 | 2022-04-09-02 | University of Delaware | Collaborative Research: FW-HTF-P: Future of Geriatric Care: Immersive Virtual Patient Training for Nursing Assistants | \$18,750 | \$0 | \$0 |
| 14 | 2022-04-09-03 | University of Delaware | Collaborative Research: FW-HTF-P: Reducing Finished-Product Waste Through Augmented Design Intelligence | \$11,880 | \$0 | \$0 |
| 15 | 2022-04-09-04 | University of Delaware | Multiscale Tendon Damage and Aberrant Cellular Responses in an in Vivo Model of Tendinosis | \$1,783,209 | \$0 | \$0 |
| 16 | 2022-04-09-05 | University of Delaware | Pearls for the Crown: Art, Nature, and Empire in Early Modern Spain and Beyond, 1498-1728 | \$0 | \$0 | \$15,000 |
| 17 | 2022-04-09-06 | University of Delaware | Live and Continuous Monitoring of Metal Cylinders and Tanks Using Distributed Carbon Nanomaterial-Based Sensing Networks | \$0 | \$0 | \$42,533 |
| 18 | 2022-04-09-07 | University of Delaware | Monolithically Integrated CMOS-RRAM Neuromorphic System on a Chip for Real-Time Cognition | \$0 | \$0 | \$397,755 |
| 19 | 2022-04-09-08 | University of Delaware | NSF/MCB-BSF: Elucidating Cell-State Dynamics Driving Antiviral Responses in Single Cells | \$221,317 | \$0 | \$0 |
| 20 | 2022-04-09-09 | University of Delaware | 3D Printed Carbon Negative Wood-Plastics from Air | \$0 | \$0 | \$689,724 |
| 21 | 2022-04-09-10 | University of Delaware | Tuff Thermoplastic Composites for Navy Platforms Phase II | \$8,306,190 | \$0 | \$0 |
| 22 | 2022-04-09-11 | University of Delaware | Complex Network Analysis of Water Cycle and Extreme Events and Their Future Changes | \$0 | \$0 | \$138,558 |
| 23 | 2022-04-09-12 | University of Delaware | The Impact of Disease Progression on the Integrity of the Motor Brain Circuitry in Parkinson's Disease | \$0 | \$0 | \$74,181 |
| 24 | 2022-04-09-13 | University of Delaware | Dopaminergic Modulation of Motor Network Activity in Parkinson's Disease: A Multimodal MRI Study | \$0 | \$0 | \$74,843 |
| 25 | 2022-04-09-14 | University of Delaware | Biological Control of Invasive Insects Such as Brown Marmorated Stink Bug, Spotted Lanternfly and Spotted Wing Drosophila | \$9,091 | \$0 | \$0 |
| 26 | 2022-04-09-15 | University of Delaware | Text Mining and Information Retrieval and Extraction | \$0 | \$0 | \$236,753 |
| 27 | 2022-04-09-16 | University of Delaware | Appendix G, SMD Astrophysics: Enhanced Detection of Cosmic Rays by Radio Probes | \$65,725 | \$0 | \$0 |
| 28 | 2022-04-09-17 | University of Delaware | PFI:BIC - ASPIRE: Hierarchical Control of a Smart Ankle-Foot Prosthesis That Supports Increased Mobility for Real-Life Activities | \$16,000 | \$0 | \$0 |
| 29 | 2022-04-09-18 | University of Delaware | Building the Knowledge Base for Research Brokerage in Education | \$0 | \$0 | \$34,993 |
| 30 | 2022-04-09-19 | University of Delaware | Understanding and Promoting Cometabolic and Abiotic Oxidation of 1,4-Dioxane and Chlorinated VOCs in Contaminated Groundwater | \$0 | \$0 | \$183,752 |
| 31 | 2022-04-09-20 | University of Delaware | Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands. | \$0 | \$0 | \$171,678 |
| 32 | 2022-04-09-21 | University of Delaware | Electro-Optic Photonic Integrated Circuits in Thin Lithium Niobate | \$0 | \$0 | \$39,063 |
| 33 | 2022-04-09-22 | University of Delaware | Intact Fiber: An Application Programming Interface for the Design, Simulation, and Optimization of Tow-Steered Composites | \$0 | \$0 | \$31,248 |
| 34 | 2022-04-09-23 | University of Delaware | Developing Integrated Evaluation Capacity for DSU RISE Programs | \$0 | \$0 | \$7,124 |
| 35 | 2022-04-09-24 | University of Delaware | EFRI ELIS Preliminary Proposal: Self Cleaning Infrastructure: Engineered Concrete Ecosystems for Hydrocarbon and Oil Remediation Across Years (SCIENCE HOORAY) | \$1,320,888 | \$0 | \$0 |
| 36 | 2022-04-09-25 | University of Delaware | Pulse Electricity: A Non-Chemical Approach for the Management of Nematodes, Pathogens, and Weeds in Nurseries | \$0 | \$0 | \$73,862 |
| 37 | 2022-04-09-26 | University of Delaware | Uniprot Protein Sequence and Function Embeddings for AI/Machine Learning Readiness - Supplement Request 2022 | \$0 | \$0 | \$68,000 |
| 38 | 2022-04-09-27 | University of Delaware | PPARG as a Key Regulator of Sex-Based Differences in Bronchopulmonary Dysplasia | \$5,000 | \$0 | \$0 |
| 39 | 2022-04-09-28 | University of Delaware | Appendix E, Marshall Space Flight Center (MSFC): Designing 3D-Printable Multicrystalline Ceramic Architected Nuclear Fuels | \$59,896 | \$0 | \$0 |
| 40 | 2022-04-09-29 | University of Delaware | Appendix H, NASA SMD Planetary Science Division: Maneuverable Venus Aerobot for Long-Duration Middle Atmosphere Exploration | \$93,000 | \$0 | \$0 |
| 41 | 2022-04-09-30 | University of Delaware | Appendix I, Commercial Space Capabilities (CSC) Research: Small Reentry System for Commercial Payload Return | \$93,000 | \$0 | \$0 |
| 42 | 2022-04-09-31 | University of Delaware | C-H Functionalization of Aromatic Polymers by Thianthreneation | \$0 | \$0 | \$110,000 |
| 43 | 2022-04-09-32 | University of Delaware | Tunable Colloidal Clusters Using Active Colloids | \$0 | \$0 | \$110,000 |
| 44 | 2022-04-09-33 | University of Delaware | Multi-Year, Multi-Partner, Multi-Objective Underwater Innovation Study Croatian Supplement | \$0 | \$0 | \$116,225 |

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| 45 | 2022-04-09-34 | University of Delaware | Appendix C, Ochmo and Human Research Program/Space Radiation Element: Parastronaut Space Suit & Vehicle Interface Performance Studies | \$85,906 | \$0 | \$0 |
| 46 | 2022-04-09-35 | University of Delaware | LTER: Ecological Response and Resilience to Press-Pulse Disturbances and a Recent Decadal Reversal in Sea Ice Trends Along the West Antarctic Peninsula | \$0 | \$0 | \$388,224 |
| 47 | 2022-04-09-36 | University of Delaware | Effects of Embodied Rhythm Interventions on Motor Function, Social Communication, Behavioral-Affective, and Cognitive Skills of Children with ASD | \$3,215,330 | \$0 | \$0 |
| 48 | 2022-04-09-37 | University of Delaware | Delaware Center for Musculoskeletal Research, Administrative Supplement for Equipment | \$249,183 | \$0 | \$0 |
| 49 | 2022-04-09-38 | University of Delaware | Flowsheet Model Development for Isolate Plasma Components | \$0 | \$0 | \$65,175 |
| 50 | 2022-04-09-39 | University of Delaware | Californium Highly Charged Ion Clocks for New Physics | \$0 | \$0 | \$169,719 |
| 51 | 2022-04-09-40 | University of Delaware | Supplement: Collaborative Research: Understanding Relationships Between Synthesis, Structure, Solid-State Electrochemistry, and Phase Stability in Clathrates and Related Materials. | \$4,000 | \$0 | \$0 |
| 52 | 2022-04-09-41 | University of Delaware | Investigating Interaction Partners of the MDV Oncoprotein, Meq with Host DNA-Repair Machinery | \$0 | \$0 | \$1,000 |
| 53 | 2022-04-09-42 | University of Delaware | Transgelin as a Regulator of Epithelial to Mesenchymal Transition in Secondary Cataracts | \$0 | \$0 | \$2,464 |
| 54 | 2022-04-09-43 | University of Delaware | Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives | \$0 | \$0 | \$83,120 |
| 55 | 2022-04-09-44 | University of Delaware | Genomic Surveillance of SARS-CoV-2 in the State of Delaware | \$500,000 | \$0 | \$0 |
| 56 | 2022-04-09-45 | University of Delaware | Study of Regolith Composites for Three-Dimensional Printing of Electronics | \$65,181 | \$0 | \$0 |
| 57 | 2022-04-09-46 | University of Delaware | Search for and Area Documentation for a WWII Loss Near Kennebunkport, ME | \$0 | \$0 | \$152,641 |
| 58 | 2022-04-09-47 | University of Delaware | Development of High-Speed Energy Storage Device Technology Using Doped Graphene for Sodium-Ion Batteries (SIBS) | \$0 | \$0 | \$16,363 |
| 59 | 2022-04-09-48 | University of Delaware | High Performance Temperature Compensated Voltage Regulators Using Gan-On-Si High Electron Mobility Transistors for Space Power and RF Communications | \$375,447 | \$0 | \$0 |
| 60 | 2022-04-09-49 | University of Delaware | Collaborative Research: Scalable Manufacturing Platform for Area-Selective Atomic Layer Deposition | \$282,012 | \$0 | \$0 |
| 61 | 2022-04-09-50 | University of Delaware | Collaborative Research: ISS: Gravitational Effects in VDW Epitaxy of Crystalline Polymer on Graphene | \$78,017 | \$0 | \$0 |
| 62 | 2022-04-09-51 | University of Delaware | 2022-2023 4H Health Habits-Regional Coach | \$0 | \$0 | \$5,400 |
| 63 | 2022-04-09-52 | University of Delaware | Modulation of Propulsive Force Generation During Walking Practice After Stroke | \$275,001 | \$0 | \$0 |
| 64 | 2022-04-09-53 | University of Delaware | Educational Affiliation and Biomedical Services | \$0 | \$0 | \$17,280 |
| 65 | 2022-04-09-54 | University of Delaware | Acquisition of Goods and Services | \$5,000 | \$0 | \$0 |
| 66 | 2022-04-09-55 | University of Delaware | BCSER: Investigating Relations Among Elementary Teachers' Mathematics Emotions and Beliefs, Mathematics Instructional Practices and Students' Mathematics Achievement | \$225,864 | \$0 | \$0 |
| 67 | 2022-04-09-56 | University of Delaware | Multi Quantum Well Avalanche Photodiodes for 2.04 um Detection | \$0 | \$0 | \$51,250 |
| 68 | 2022-04-09-57 | University of Delaware | Duckweed and Sorghum Development and Abiotic Stress Responses: From Single Cell to Whole Organism | \$0 | \$0 | \$299,322 |
| 69 | 2022-04-09-58 | University of Delaware | Threatened Resource Documentation, and Resource Digitization FY 2021 | \$0 | \$0 | \$13,346 |
| 70 | 2022-04-09-59 | University of Delaware | Bio-Recycling of Polystyrene with Parallel Carbon Dioxide Sequestration (BRICS) | \$0 | \$0 | \$646,599 |
| 71 | 2022-04-09-60 | University of Delaware | Collagen-Mediated Approaches to Improve the Local Delivery and Hypothermic Release of Osteoarthritis Therapeutics | \$2,293,515 | \$0 | \$0 |
| 72 | 2022-04-09-61 | University of Delaware | The Delaware Stuttering Project: Implementing an Avoidance-Reduction Treatment Approach | \$0 | \$0 | \$25,000 |
| 73 | 2022-04-09-62 | University of Delaware | Design and Synthesis of Metal Chalcogenide Carrier-Selective Transport Layers for Si Solar Cells | \$190,065 | \$0 | \$0 |
| 74 | 2022-04-09-63 | University of Delaware | The Relationship Between Child Language Proficiency and Language of Treatment on the Outcomes of Bilingual Children with Developmental Language Disorder | \$0 | \$0 | \$700,665 |
| 75 | 2022-04-09-64 | University of Delaware | Risk Reduction and Pollution Mitigation of the Bikini Atoll World Heritage Site Sunken Fleet | \$0 | \$0 | \$80,453 |
| 76 | 2022-04-09-65 | University of Delaware | Next Generation Hybrid Heterojunction Solar Cells Enabling TW Scale Deployment | \$194,007 | \$0 | \$0 |
| 77 | 2022-04-09-66 | University of Delaware | Studying Host-Pathogen Interaction of Poultry Bacteria Infectious Disease and the Mechanism of Action of Antibiotics and Antibiotic Alternatives | \$0 | \$0 | \$91,450 |
| 78 | 2022-04-09-67 | University of Delaware | Collaborative Research: Bccp-Implementation: Assessing the Influence of Traits, Environment, and Anthropogenic Context on the Ability of Trees to Support Arthropod Biodiversity | \$739,376 | \$0 | \$0 |

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| 79 | 2022-04-09-68 | University of Delaware | Examining the Role of Central Sensitization with Aging: An Investigation of Older Adults with and Without Chronic Low Back Pain | \$133,655 | \$0 | \$0 |
| 80 | 2022-04-09-69 | University of Delaware | Collaborative Research: NSF/MCB: Repurposing Metabolite-Responsive Aptamers for Dynamic Control of Cas6-Mediated Metabolon Assembly | \$391,053 | \$0 | \$0 |
| 81 | 2022-04-09-70 | University of Delaware | NSF Ipa Liaw | \$178,381 | \$0 | \$0 |
| 82 | 2022-04-09-71 | University of Delaware | Assessment of Biochar Amended to Soils in Howard County, MD | \$0 | \$0 | \$16,186 |
| 83 | 2022-04-09-72 | University of Delaware | Surveying Tidal Marsh Bird and Vegetation Communities in the Northeast | \$0 | \$0 | \$27,344 |
| 84 | 2022-04-09-73 | University of Delaware | Enabling Transformational Genome Engineering of Clostridium Organisms | \$17,331,383 | \$0 | \$0 |
| 85 | 2022-04-09-74 | University of Delaware | A Comprehensive Deep Learning System for Multimodal Hidden Targets Detection | \$993,255 | \$0 | \$0 |
| 86 | 2022-04-09-75 | University of Delaware | The Role of Potassium Supplementation on Endothelial Function, BP Regulation, and Oxidative Stress Under High Sodium Conditions | \$205,410 | \$0 | \$0 |
| 87 | 2022-04-09-76 | University of Delaware | Phase III Biochar Amendment of Highway Greenspace Study MOU | \$0 | \$0 | \$50,973 |
| 88 | 2022-04-09-77 | University of Delaware | Can Leaf Area Index Measurement Improve Sensor-Based Nitrogen Recommendations and Plant Biomass Predictions for Corn? | \$0 | \$0 | \$13,235 |
| 89 | 2022-04-09-78 | University of Delaware | University Centers for Excellence in Developmental Disabilities Education, Research and Service | \$2,783,846 | \$0 | \$0 |
| 90 | 2022-04-09-79 | University of Delaware | Grant Voirol DE Sea Grant Knauss Fellowship 2023 | \$89,000 | \$0 | \$0 |
| 91 | 2022-04-09-80 | University of Delaware | Energy and Waste Assessments for Metal Fabrication and Manufacturing | \$155,053 | \$0 | \$0 |
| 92 | 2022-04-09-81 | University of Delaware | Preparing Researchers at the Intersection of Special Education and Mathematics (PRISM) | \$0 | \$0 | \$846,723 |
| 93 | 2022-04-09-82 | University of Delaware | Mechanistic Insight of Cell Lifespan Regulation Following Phagocytosis | \$459,079 | \$0 | \$0 |
| 94 | 2022-04-09-83 | University of Delaware | CY2022 NSF Ship Ops Support | \$567,834 | \$0 | \$0 |
| 95 | 2022-04-09-84 | University of Delaware | (ATPH) Expanding the Public Health Workforce W/N the Disability Network | \$72,001 | \$0 | \$0 |
| 96 | 2022-04-09-85 | University of Delaware | Enhancing the Treatment of Pediatric Acute Myeloid Leukemia Through Biomimetic Nanocarrier Delivery of Calicheamicin | \$0 | \$0 | \$250,000 |
| 97 | 2022-04-09-86 | University of Delaware | PRECARE - Platform to Recognize and Evaluate Children for Age-Appropriate Response and Early Detection of Delays | \$0 | \$0 | \$31,088 |
| 98 | 2022-04-09-87 | University of Delaware | 2022 DOS ECA Excellence in Chinese Language and Culture NSLI-Y | \$0 | \$0 | \$100,000 |
| 99 | 2022-04-09-88 | University of Delaware | Superlattice Light Emitting Diode Array-Multi Spectral ("SAMS") | \$0 | \$0 | \$31,250 |
| 100 | 2022-04-09-89 | University of Delaware | HEALTH (Health Engagement Access Learning Teaching Humanity) for All (Formerly Mobile Health) | \$0 | \$0 | \$45,455 |
| 101 | 2022-04-09-90 | University of Delaware | Project PROFESSOR (Preparing Researchers for Future Examination and Study of the Science of Reading) | \$3,648,620 | \$0 | \$0 |
| 102 | 2022-04-09-91 | University of Delaware | Investigating Classroom Quality in a Head Start Context: A Mixed Methods Approach | \$50,000 | \$0 | \$0 |
| 103 | 2022-04-09-92 | University of Delaware | Early Head Start Home Visitor Perceptions of Program Environment and Leadership | \$50,000 | \$0 | \$0 |
| 104 | 2022-04-09-93 | University of Delaware | Energy and Waste Assessments for Automotive Manufacturing and Maintenance | \$102,796 | \$0 | \$0 |
| 105 | 2022-04-09-94 | University of Delaware | ODA/USDA EAB Cooperative Agreement: Develop Proactive Biocontrol Strategy Against Emerald Ash Borer in Oregon | \$0 | \$0 | \$28,719 |
| 106 | 2022-04-09-95 | University of Delaware | To Increase Academic Enrichment and Increase School Connectedness of Participants, Including Families, Caregivers, and School Teachers | \$0 | \$0 | \$210,260 |
| 107 | 2022-04-09-96 | University of Delaware | Conformable, Light Weight, High Efficiency Photovoltaic Solar Module for Emerging Terrestrial Applications | \$0 | \$0 | \$118,194 |
| 108 | 2022-04-09-97 | University of Delaware | Dimensionally Stable Thermoset Composites Structures Enabled by Multiscale Computational Design and Additive Manufacturing | \$391,735 | \$0 | \$0 |
| 109 | 2022-04-09-98 | University of Delaware | Identifying Diadromous Fish Abundance, Habitat Utilization, and Fish Passage Feasibility in the Red Clay, White Clay, and Christina Watersheds in New Castle County, Delaware | \$0 | \$0 | \$139,083 |
| 110 | 2022-04-09-99 | University of Delaware | Joy Deep Chakrabarty DE Sea Grant Knauss Fellowship 2023 | \$89,000 | \$0 | \$0 |
| 111 | 2022-04-10-01 | University of Delaware | Stephanie Zmina DE Sea Grant Knauss Fellowship 2023 | \$89,000 | \$0 | \$0 |
| 112 | 2022-04-10-02 | University of Delaware | Colleen Sullivan DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |
| 113 | 2022-04-10-03 | University of Delaware | Deborah Halla DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |
| 114 | 2022-04-10-04 | University of Delaware | Jack Polentes DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |
| 115 | 2022-04-10-05 | University of Delaware | Jewel Tomsaula DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |

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| 116 | 2022-04-10-06 | University of Delaware | Richard Peel DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |
| 117 | 2022-04-10-07 | University of Delaware | Thalia Beatriz Eigen DE Sea Grant Knauss Fellowship 2023 (DC Applicant) | \$89,000 | \$0 | \$0 |
| 118 | 2022-04-10-08 | University of Delaware | Small Business Administration Cooperative Agreement CY22 | \$10,194 | \$7,400 | \$0 |
| 119 | 2022-04-10-09 | University of Delaware | Black Teachers Matter: Co-Constructing a Black Preservice Teacher Network to Improve the Experiences and Retention of Black Preservice Teachers in Teacher Education Programs | \$0 | \$0 | \$73,596 |
| 120 | 2022-04-10-10 | University of Delaware | Quantum Molecular Dynamics with Recurrent Neural Networks | \$0 | \$0 | \$149,830 |
| 121 | 2022-04-10-11 | University of Delaware | Advancing Continuous Biomanufacturing of Monoclonal Antibodies Using an Experimentally Validated Modeling Platform | \$3,078,622 | \$0 | \$0 |
| 122 | 2022-04-10-12 | University of Delaware | Collaborative Research: Derisking Process Development by Understanding the Genetic and Metabolic Drivers of Yarrowia lipolytica Cell Line Instability | \$351,202 | \$0 | \$0 |
| 123 | 2022-04-10-13 | University of Delaware | RII-BEC: Training Diverse Scholars in Data Science to Understand the Brain and Behavior | \$652,439 | \$0 | \$0 |
| 124 | 2022-04-10-14 | University of Delaware | SCH: Model-Informed Patient-Specific Rehabilitation Using Robotics and Neuromuscular Modeling | \$784,176 | \$0 | \$0 |
| 125 | 2022-04-10-15 | University of Delaware | Infusing Earth Observation and Geographic Analysis in the 6th Grade World Regional Geography Lesson Project | \$0 | \$0 | \$20,432 |
| 126 | 2022-04-10-16 | University of Delaware | Spintronics Based on Novel Antiferromagnetic Materials with Spin-Momentum Locking | \$0 | \$0 | \$167,857 |

Revised 4/14/22

Join Zoom Meeting

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