

SPONSORED PROGRAM AWARDS FISCAL YEAR 2018

ARTS AND SCIENCES

Allison, Lizabeth	Gift from Columbia Therapeutic Corporation for Student Research	Columbia Therapeutic Corporation	\$30,000
Anderson, Lisa	Student Research Funding: Econ 409, Research Methods in Experimental Economics	Charles G. Koch Charitable Foundation	\$7,000
Armstrong, David Deconinck, Wouter	Precision Studies of the Standard Model using Parity-Violating Electron Scattering	National Science Foundation	\$220,000
Balascio, Nicolas	Paleoenvironmental perspectives on prehistoric human settlement of Arctic Norway: Implications for climate, sea-level, and land-use changes during the Iron Age	National Science Foundation	\$144,525
Balascio, Nicolas	Characterizing organic matter accumulation in freshwater coastal plain wetlands: Implications for understanding hydrocarbon systems	American Chemical Society/Petroleum Research Fund	\$55,000
BenYishay, Ariel	Innovations for Poverty Action; Evaluation Philippines-KALAHI-CIDSS Project (Kapit-Bisig Laban sa Kahirapan-Comprehensive and Integrated Delivery of Social Services)	Millennium Challenge Corporation (MCC)	\$60,000
BenYishay, Ariel Dolan, Carrie	Center for Policy Impact in Global Health	Bill and Melinda Gates Foundation	\$49,233
BenYishay, Ariel Parks, Bradley	Monitoring, Evaluation, and Learning Innovations (MERLIN)	United States Agency for International Development	\$69,986
BenYishay, Ariel Parks, Bradley	Proposed Impact Evaluation of a SIDA-Sponsored Public Infrastructure and Local Governance Program in Cambodia	Expert Group for Aid Studies	\$65,000
Berquist, Carl Jr. Bailey, Christopher	Assistance with Geologic Mapping in the Petersburg National Battlefield Park and Adjoining Areas	US/Geologic Survey Virginia Department of Mines, Minerals and Energy	\$10,459
Bolotnikov, Vladimir	Topics in Multivariate Operator Theory	Simons Foundation	\$42,000
Burk, Joshua	Hypocretin/orexin modulation of cognitive correlates of brain aging	National Institutes of Health	\$63,403
Carlson, Carl	Research in Theoretical Hadronic Physics and Related Topics	National Science Foundation	\$175,000

Carone, Christopher Erlich, Josh	Topics in Physics Beyond the Standard Model	National Science Foundation	\$280,000
Chambers, Randolph	Greenhouse Gas Flux From Stormwater Retention Ponds	Virginia Environmental Endowment	\$9,612
Coleman, Randolph	The role of differentially expressed mitochondrial energy production genes as regulators of amyloid precursor protein processing in Alzheimer's Disease	Eastern Virginia Medical School	\$19,908
Cotten, Myriam	Collaborative Research: Leveraging Biophysical Methods to Investigate the Interplay of Host Defense Mechanisms at Biological Membranes	National Science Foundation	\$404,672
Dalgleish, Harmony Puzey, Joshua	Greenhouse outreach fund	The Max and Victoria Dreyfus Foundation	\$15,000
Dallaire, Danielle	March of Dimes Chapter Grant 2017 Healthy Beginnings	March of Dimes	\$10,500
Day, Sarah	A Combinatorial and Topological Framework for Deriving Dynamics from Data	Army Research Office	\$84,101
DeBerry, Douglas	Invasive Species Research in Compensatory Mitigation	Wetland Studies and Solutions, Inc (WSSI)	\$58,277
Delos, John	Dynamics and Control of Atomic, and Molecular and Systems	National Science Foundation	\$35,999
Delos, John	Strategies to reduce apnea and optimize oxygenation in preterm infants	National Institutes of Health	\$41,500
Dudek, Jozef	Hadron Spectroscopy from lattice quantum chromodynamics (QCD)	Department of Energy	\$280,000
Emerson, Norlene/ MacDonald, R. Heather	Faculty as Change Agents: Transforming Geoscience Education in Two-year Colleges	National Science Foundation	\$233,122
Erlich, Josh	QuarkNet	National Science Foundation	\$5,500
Evtyushkin, Dmitry	Architectural support for security, side and covert channels and isolated execution	Qualcomm	\$10,000
Galano, Joseph Huntington, Lee	Healthy Families Virginia Evaluation 2018	Prevent Child Abuse, Virginia	\$53,332
Gavaler, Joan	Commission of New Work by Aura CuriAtlas Physical Theatre	Virginia Commission for the Arts	\$1,350
Griffioen, Keith Averett, Todd	Nucleon Structure Studies (continuation of 733081)	Department of Energy	\$440,000
Heideman, Paul Macdonald, R. Heather Mason, Marguerite Kier, Meredith	Recruitment, Preparation, and Retention of Mathematics and Science Teachers: Noyce Scholars III Program at the College of William & Mary	National Science Foundation	\$1,146,725
Hinders, Mark	Wave Characterization Modules (WCMs) for Oil Recovery Operations	Midstream Technology, LLC	\$42,503

Jog, Adwait	CAREER: Addressing scalability challenges in designing next-generation GPU-based heterogeneous architectures	National Science Foundation	\$111,864
Jog, Adwait Smirni, Evgenia	Enabling and Analyzing Accuracy-aware GPU Reliability Mechanisms.	National Science Foundation	\$449,999
Johnson, Charles Zimmer, Andrew	REU Site: Matrix Analysis, Combinatorics, and Applications	National Science Foundation	\$250,000
Jones, Joseph L. Blakey, Michael	Osteological Analysis of Human Skeletal Remains (44WM0185) from George Washington Birthplace National Monument, Colonial Beach, Virginia	National Park Service	\$6,909
Kahn, Jennifer Moore, Summer	Doctoral Dissertation Research: An Investigation of Change and Continuity in Household Consumption in the Hinterlands of Early Nineteenth-Century Hawaii	National Science Foundation	\$27,586
Kennedy, Colleen	FY 2018 William & Mary Global Film Festival: Williamsburg Arts Commission Grant	Williamsburg/James City County	\$8,600
Kidwell, Nathanael	Investigating the Nonadiabatic Chemical Transformations of Nitric Oxide Radicals with Molecular Partners using State-Resolved Imaging	American Chemical Society/Petroleum Research Fund	\$26,150
Kidwell, Nathanael O'Brien, Rachel	Experimental and Computational Analysis of Atmospheric Brown Carbon Photolysis in the Gas and Particle Phases	Jeffress Memorial Trust	\$100,000
Krakauer, Henry	First-Principles Computational Studies of Novel Correlated-Electron Materials	Office of Naval Research	\$135,615
Leu, Matthias	Relations among cheatgrass-driven fire regimes, climate change, and sensitive-status bird species across the Great Basin	Bureau of Land Management	\$10,759
Lewis, Robert	CyberMoat: adaptive virtualized network framework for deception and disinformation	Office of Naval Research	\$16,262
Lewis, Robert	Approximation and model management for optimization of systems governed by flow in porous media II	ExxonMobil Upstream Research	\$45,000
Li, Qun	Planning: OpenEdge: Toward Open and Transparent Edge Computing and Its Application in Public Safety	National Science Foundation	\$10,200
Liu, Zhenming	Theory and practice of learning on graphs	National Science Foundation	\$174,983
Liu, Zhenming	Rutherford Visiting Fellowship: Theory and Practice of Learning on Graphs	The Alan Turing Institute	\$62,639
Lopresti, John	Unringing the Bell? The Asymmetric Effects of Trade Policy	W.E. Upjohn Institute	\$5,000
Lowry, Richard	FY 19 William and Mary Global Film Festival	Williamsburg Area Arts Commission	\$8,600
Luepke, Gunter	Time-Resolved Spectroscopy of Insulator-Metal Transitions: Exploring Low-Energy Dynamics in Strongly Correlated Systems	U.S. Department of Energy	\$160,000
Lukaszew, Rosa Aubin, Seth	Virginia Microelectronics Consortium	University of Virginia	\$52,850

McNamara, William	SusChEM: CAREER: Iron Complexes for Hydrogen Generation and Oxygen Reduction	National Science Foundation	\$274,627
Mellor, Jennifer	Access to Care by Low Income Senior Medicare Beneficiaries: Direct and Indirect Effects of Medicaid Policy on Enrollment, Healthcare Utilization, Spending and Health	National Institutes of Health	\$360,149
Mordijck, Saskia	Research on DIII-D	U.S. Department of Energy	\$100,000
Murphy, Helen	EAGER: Investigating a Trojan Horse strategy to disrupt Saacharomyces biofilms	National Science Foundation	\$149,999
Murphy, Helen	The Evolution and Genetics of a Complex Fungal Virulence Trait	National Institutes of Health	\$307,000
Nelson, Jeffrey Kordosky, Michael	ProtoDUNE Single-Phase Field Cage Assembly for FY2017	Fermi National Accelerator Laboratory/Department of Energy	\$83,711
Nelson, Jeffrey Kordosky, Michael Vahle, Patricia	Precision Measurements of Neutrino Oscillations and Interactions	National Science Foundation	\$893,957
O'Brien, Rachel	Laboratory studies of brown carbon photolysis: photosensitized reactions to form reactive organic species and oxidized organic mixtures	Virginia Space Grant Consortium	\$10,000
O'Brien, Rachel	Quantitative and reproducible extractions of indoor surfaces for offline analysis: the indoor surface extractor/collector (ISEC)	Sloan Foundation	\$50,000
O'Brien, Rachel	Identifying the Shape of the Association Between Long-term exposure to Low Levels of Ambient Air Pollution and the Risk of Mortality: An Extension of the Canadian Census Health and Environment Cohort Using Innovative Data Linkage and Exposure Methodology	Dalhousie University	\$10,868
O'Brien, Rachel	Fragmentation and functionalization: characterizing condensed phase autoxidation of hydrocarbons	Petroleum Research Fund	\$55,000
Paga, Jessica	Fellowship, Center for Hellenic Studies, Fall 2018	Harvard University	\$18,000
Parks, Bradley	CIMA Media Development Data	Center for International Media Assistance (CIMA)	\$9,519
Parks, Bradley	Understanding China's Information Campaigns and Public Diplomacy in the Asian and Pacific Regions	U.S. Department of State	\$639,623
Parks, Bradley	For more effective targeting, monitoring, and evaluation of sustainable development investments	The William and Flora Hewlett Foundation	\$1,500,000
Parks, Bradley	Catalyzing the Use and Impact of Official Statistics	The William and Flora Hewlett Foundation	\$163,000
Parks, Bradley	Children on the Move: Tides/Oak Foundation	Tides Foundation	\$499,239
Parman, John	Undergraduate Research Fellowships	Charles G. Koch Charitable Foundation	\$10,000
Patel, Mainak	Mathematical and Computational Analysis of Neuronal Network Dynamics	Simons Foundation	\$42,000

Peers, Pieter	CAREER: Large Scale Appearance Modeling	National Science Foundation	\$94,741
Peterson, Susan	Foreign Policy and Teaching, Research, and International Policy (TRIP) Project: The Best International Relations Schools in the World	Foreign Policy (Magazine)	\$30,000
Peterson, Susan Maliniak, Daniel Tierney, Michael	Strengthening the Links Between Scholars and Practitioners of International Relations	Carnegie Corporation of New York	\$548,000
Peterson, Susan Tierney, Michael	Survey of Association of Professional Schools of International Affairs Deans and Political Science Chairs/Subaward from University of Notre Dame	Carnegie Corporation of New York	\$9,620
Poshyvanyk, Denys	REU Supplement for "NSF CAREER: Enabling License Compliance Analysis and Verification for Evolving Software"(CCF-1253837)	National Science Foundation	\$8,000
Poshyvanyk, Denys	SHF: Small: Natural GUI-Based Testing of Mobile Apps via Mining Software Repositories	National Science Foundation	\$450,000
Poshyvanyk, Denys	Enabling Software Security Assurance via a Formal Causal Inference Model of Traceability	Silicon Valley Community Foundation	\$100,000
Potkay, Adam	Laurence S. Rockefeller Visiting Professor of Distinguished Teaching in the Center for Human Values	Princeton University	\$192,488
Puzey, Joshua	Collaborative Research: SG: RUI: Exploring the genetic basis of phenotypic novelty in experimental hybrids of monkeyflowers (<i>Mimulus</i>)	National Science Foundation	\$127,102
Qazilbash, M. Mumtaz	Ultra-broadband, high intensity infrared light source for microscopy and spectroscopy applications	National Science Foundation	\$200,000
Rabalais, Nathan	Folklore Figures of French and Creole Louisiana	National Endowment for the Humanities	\$50,400
Roessler, Philip	Mobile Phone Ownership and Civic Engagement: A Field Experiment in Tanzania	US Department of Agriculture	\$109,953
Roessler, Philip	Improving Women's Access and Usage of Digital Financial Services	Gates Foundation	\$5,600
Roessler, Philip	Incentivizing Mobile Money as a Financial Savings Instrument among Young Women in Tanzania	Innovations for Poverty Action	\$47,135
Rossi, Enrico	Two-dimensional Van Der Waals systems with tunable spin-orbit coupling	National Science Foundation	\$95,000
Rossi, Enrico	Practical Implementations of parafermions and braiding of non-Abelian anyons	Office of Naval Research	\$80,000
Rossi, Enrico	Superconductor--quantum-Hall systems	Army Research Office	\$70,000
Rossi, Enrico	Graphene topological insulator hybrid devices	U. S. - Israel/Binational Science Foundation	\$110,000
Runfola, Daniel	Evaluating the Impact of International Aid on Ecological Processes by Integrating Computational and Experimental Methods	Jeffress Memorial Trust	\$100,000

Saha, Margaret	Engineering Biology for Space: Engaging Teachers and Students in the Promise of Synthetic Biology	National Aeronautics and Space Administration	\$6,500
Schniepp, Hannes	CAREER: Exploring the Recluse Spider's Nanometer-Thin Silk Ribbons	National Science Foundation	\$90,000
Schniepp, Hannes Kranbuehl, David	Boron Nitride Nanotube-Enhanced Polymer Nanocomposites for Structural Applications	Office of Naval Research	\$30,000
Schniepp, Hannes Kranbuehl, David	Characterization of High-Performance Nanocomposites with Superior Structural and Thermal Properties	Office of Naval Research	\$197,741
Schniepp, Hannes Kranbuehl, David	Manufacturing of Boron Nitride Nanotube-Based Thermal Management Materials for High-Performance Electronics	Center for Innovation Technology	\$100,000
Schug, Joanna	CAREER: The Social Ecology of Relational Mobility	National Science Foundation	\$81,937
Shanahan, Phiala	Quark and gluon structure of nucleons and nuclei	Jeffress Memorial Trust	\$10,000
Shi, Junping Yu, Gexin Day, Sarah Li, Chi-Kwong	EXTREEMS-QED: Computational and Statistical theory and techniques in the study of large data sets	National Science Foundation	\$188,565
Spaeth, Barbette	Professor-in-Charge, Intercollegiate Center for Classical Studies in Rome	Intercollegiate Center for Classical Studies in Rome	\$0
Stafford, Sarah Hanson, Steve	US Army War College Fellow FY17	U.S. Army	\$18,500
Stathopoulos, Andreas	Enhancing the PRIMME software with new methods and functionality for eigenvalue and SVD problems	National Science Foundation	\$4,000
Stathopoulos, Andreas	Exascale Lattice Gauge Theory Opportunities and Requirements for Nuclear and High Energy Physics	Department of Energy	\$74,346
Stevens, Justin	Timelike Compton Scattering in the GlueX experiment at Jefferson Lab	Jefferson Science Associates, LLC	\$7,500
Stevens, Justin	Strange mesons and gluonic excitations (DOE Early Career Award)	Department of Energy	\$49,000
Swaddle, John	Developing Acoustic Technology to Reduce Birds' Risks of Collision with Wind Turbines: Expanding Wind Energy Opportunities in Virginia	Commonwealth Research and Commercialization Fund	\$99,711
Tierney, Michael	USAID Rwanda GIS Fellow	United States Agency for International Development	\$18,963
Venkataraman, Malathy	Spectroscopic parameters of methane and carbon monoxide for atmospheric compositions retrievals	National Aeronautics and Space Administration	\$44,279
Young, Douglas	Application of Unnatural Amino Acids to Prepare Multivalent Bioconjugates	Camille and Henry Dreyfus Foundation	\$60,000

Zhang, Shiwei	Simons Collaboration on the Many Electron Problem	Simons Foundation	\$83,500
Zhang, Shiwei	Visiting Fellowship	Simons Foundation	\$591,656
Zimmer, Andrew	Applications of Nonpositive Curvature in Several Complex Variables	National Science Foundation	\$120,000

SCHOOL OF EDUCATION

Colley, Amy	Virginia Department of Education	Principal Leadership Development in Underserved Divisions	\$10,000
Cross, Tracy	Abdullah Aljughaiman	Gifted Students in Saudi Arabia	\$40,000
Cross, Tracy Kim, Mihyeon	Virginia Department of Education	2018 Summer Residential Governor's School for Engineering (NASA/NIA) and Marine Science (VIMS)	\$76,119
Foster, Victoria McAdams, Charles	Williamsburg Community Health Foundation	Youth and Family Counseling 2018	\$110,000
Hardinge, Gail	US Department of Defense	Military Connected Academic and Support Programs - Operation GRIT	\$102,434
Hardinge, Gail	US Department of Defense	Troops to Teachers - Year 1	\$380,035
Hofer, Mark Johnson, Lindy	Jesse Ball DuPont Fund	Supporting Rural Teachers Implementation of Deeper Learning Practices	\$74,705
Johnson, Denise Gareis, Christopher	Virginia Department of Education	The William & Mary Clinical Faculty Program	\$47,470
Korinek, Loraine	US Department of Education/Virginia Department of Education	Training and Technical Assistance Center, The College of William and Mary (T/TAC W&M) 2017-2019	\$1,541,388
Mason, Marguerite Rublein, George	U.S. Department of Education	Year 2 Southern Virginia Elementary Mathematics Coalition to Enhance Student	\$346,521
Popp, Patricia Stronge, James	Virginia Department of Education	FY18 Education For Homeless Children and Youth	\$1,309,517
Popp, Patricia Stronge, James	US Department of Education/Virginia Department of Education	Supporting the Educational Stability of Students Placed in Foster Care	\$30,000

SCHOOL OF LAW

Andrews, Elizabeth	Addressing Impediments to Aquaculture Opportunities	National Oceanic and Atmospheric Administration	\$15,000
Andrews, Elizabeth	Building a Resilient Coast: Extending Legal and Policy Services to Virginia's Coastal Communities	U.S. Department of Commerce	\$24,241
Andrews, Elizabeth	Increasing use of natural and nature-based features to build resilience to storm-driven flooding	National Oceanic & Atmospheric Association	\$157,625
Andrews, Elizabeth	Narrative Enforceable Policies Part 3	National Oceanic & Atmospheric Association	\$30,000
Andrews, Elizabeth	NOAA Sea Grant Omnibus - Virginia Sea Grant - Fostering a More Resilient Commonwealth	National Oceanic and Atmospheric Administration	\$7,500
Andrews, Elizabeth	Refining The RAFT For Broader Implementation	Virginia Department of Environmental Quality	\$7,300
Andrews, Elizabeth	Regional Housing Study	Virginia Housing Development Authority	\$10,000
Andrews, Elizabeth	The RAFT (Resilience Adaptation Feasibility Tool): Building Regional Capacity for Coastal Resilience	CRF-Windward Fund	\$24,000
Lederer, Fredric	Consulting Services for Chesterfield Courtroom Technology	Chesterfield County	\$5,000
Lederer, Fredric	Fostering Legal Profession Awareness of Innovative Legal Issues Likely to Arise from Artificial Intelligence and the Internet of Things	Cisco Systems, Inc.	\$229,009

SCHOOL OF BUSINESS

Agnew, Julie	TIAA	White Label Funds: How Important is the Name?	\$75,000
Smith, Kimberly Jones, Denise	International Association for Accounting Education and Research (IAAER)	Comparability v. Flexibility in Alternative Performance Measures: Views of Preparers, Auditors, and Analysts	\$25,000

CENTER FOR CONSERVATION BIOLOGY

Watts, Bryan Paxton, Barton	ALCOA/YADKIN PROJECT BALD EAGLE NEST AND PRODUCTIVITY SURVEY 2018	Cube Hydro Carolinas	\$15,000
Watts, Bryan Smith, Fletcher	Assessing important horseshoe crab spawning areas and examining winter and spring Red Knot diets in coastal Georgia using DNA barcoding	National Fish and Wildlife Foundation	\$21,400
Watts, Bryan	Assessing the status and distribution of colonial waterbirds in coastal Virginia (2018 breeding season)	National Oceanic & Atmospheric Association	\$10,000
Watts, Bryan	Assessing the status and distribution of colonial waterbirds in coastal Virginia (2018 breeding season)	Virginia Department of Game and Inland Fisheries	\$10,000

Watts, Bryan Paxton, Barton	Assessment of Contaminant Exposure for Bald Eagles Nesting in Selected Northeast and National Capital Region Parks	National Park Service	\$59,250
Watts, Bryan	Avian Community Survey at Plum Tree Island National Wildlife Refuge	U.S. Fish and Wildlife	\$48,500
Watts, Bryan Paxton, Barton	Bald Eagle Banding at Naval Air Station Patuxent River	U.S. Department of the Navy	\$4,957
Watts, Bryan Paxton, Barton	Bald Eagle Nest Surveys at Naval Support Facility Indian Head, Naval Support Facility Dahlgren, Naval Air Station Patuxent River Complex, and the Army's Blossom Point Research Facility 2015-2018	U.S. Department of Defense	\$16,615
Watts, Bryan	Eagle Nest and Communal Roost Monitoring within Exelon's Conowingo and Muddy Run Reservoirs	Exelon Corporation	\$66,000
Watts, Bryan Paxton, Barton	Eagle Nest Survey of the Proposed York Haven Nature Like Fishway Project	Cube Hydro Carolinas	\$5,822
Watts, Bryan	Monitoring and maintenance of the Virginia breeding population of peregrine falcons	Virginia Department of Game and Inland Fisheries	\$28,000
Watts, Bryan Paxton, Barton	Monitoring Avian Productivity and Survivorship on Quantico Marine Base, Indian Head Naval Support Facility, and Dahlgren Naval Surface Warfare Center (MAPS) 2015-2018	U.S. Department of the Navy	\$21,834
Watts, Bryan	Red-cockaded Woodpecker Re-introduction on the Great Dismal Swamp National Wildlife Refuge.	U.S. Fish and Wildlife	\$112,287
Watts, Bryan	Red-Cockaded Woodpecker Survey Annual	Virginia Department of Game and Inland Fisheries	\$15,000

CENTER FOR ARCHAEOLOGICAL RESEARCH

Jones, Joe B.	Archaeological Surveys	Various Private Entities	\$110,987
Jones, Joe B.	Archaeological Surveys	State and Federal Agencies	\$1,050,797

REVES CENTER

Hanson, Steve	Yale University	Steve Hanson - Visiting Professor in Russian Studies and European Studies at the Whitney and Betty MacMillan Center for International and Area Studies at Yale.	\$76,500
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ROY R. CHARLES CENTER

Schwartz, Joel	Andrew W. Mellon Foundation	Mellon Grant: Liberal Education and Inclusive Excellence	\$800,000
Schwartz, Joel Craddock, Chelsie	Freeman Foundation	The Freeman Foundation	\$100,000

WILLIAM AND MARY RESEARCH INSTITUTE

Hoffman, Ronald	Charles Carroll of Carrollton Foundation	The Charles Carroll of Carrollton Papers 2014-2015	\$118,000
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