

Department of Energy Announces \$36 Million for Research through EPSCoR

Announcement Number: DE-FOA-0003615

List Posted: 10/16/2026

Selection for award negotiations is not a commitment by DOE to issue an award or provide funding.

Principal Investigator	Title	Institution	City	State	ZIP Code
An, Qi	Accelerating Methane Partial Oxidation via Low-Ir Electrocatalysts: A Combined Machine Learning and Experimental Framework	Iowa State University of Science and Technology	Ames	IA	50011
Bhatia, Bikram	Scalable, High-Efficiency Barocaloric Systems: Enabled by Polymer Phase Transitions for Industrial Process Heating	University of Louisville	Louisville	KY	40292
Blakemore, James	Advanced Spectroscopic Studies of the Mechanisms of Actinide Charge Transfer Reactions	University of Kansas	Lawrence	KS	66045
Brunetti, Maria Brigida	Unified Reconstruction of Neutrino Interactions in High-Occupancy LArTPC Environments	University of Kansas	Lawrence	KS	66045
Carlson, Krista	Chemical Speciation and Sorbent Design for Mercury Abatement in HLW and LAW Vitrification Off-Gas Streams	University of Nevada, Reno	Reno	NV	89557
de Sousa Oliveira, Laura	AI-Enabled Multiscale Modeling of Phonon-Mediated Thermal Transport at Nuclear Fuel-Fission Product Interfaces During Structural Evolution	University of Wyoming	Laramie	WY	82071
Dobson, Ian	The extreme event statistics observed in blackouts can be tamed and leveraged to quantify and improve our nations power grid resilience	Iowa State University of Science and Technology	Ames	IA	50011
Ghamarian, Iman	Physics-Informed Deep Learning for Quantitative Nanobeam 4D-STEM Analysis of Weak and Diffuse Order in Quantum Materials	University of Oklahoma	Norman	OK	73019
Ghasemi-Fare, Omid	Geothermal Thermal Energy Storage for Cooling-Dominated Data Centers, Large Buildings, and Campuses	University of Louisville	Louisville	KY	40292
Hayes, Daniel	The Howland Harvest Experiment: Development and Testing of ELM-FATES Modeling Capabilities in Managed Forests	University of Maine	Orono	ME	04469
Hou, Xiaodong	Interfacial Chemistry and Phase Stability in Graphene-Intercalated 1T-MoS2 Heterostructures: Experimental and Simulation Studies	University of North Dakota	Grand Forks	ND	58202
Kaiser, Ralf	Dynamics of Hydrogen-Assisted Aromatic C-S Bond Cleavage on TiAlB Clusters Revealed by Molecular-Beam Photoionization and Theory	University of Hawaii	Honolulu	HI	96822
Keith, Brendan	Scalable, Mesh-Independent Algorithms for State Constraints via the Proximal Galerkin Method	Brown University	Providence	RI	02912
Carlson, Krista	Chemical Speciation and Sorbent Design for Mercury Abatement in HLW and LAW Vitrification Off-Gas Streams	University of Nevada, Reno	Reno	NV	89557
Li, Wenliang	High Precision Studies of Hadron Structure Functions at the Future Electron-Ion Collider	Mississippi State University	Mississippi State	MS	39762
Lynch, Laurel	Compounding impacts of drought and wildfire on plant-soil-microbe interactions in western conifer forests	Univ of Idaho	Moscow	ID	83844
Ma, Ben	Fundamental far UVC actions on pathogens in indoor building environments	University of Nevada, Reno	Reno	NV	89557
Marangoni, Tomas	Programmable Quantum Behavior in Metal-Organic Frameworks Through Open-Shell Radicaloid Linkers	University of Maine	Orono	ME	04469
Murray, Michael	Are Nuclei Sheets of Gluons	University of Kansas	Lawrence	KS	66045
Oishi, Jeff	Non-axisymmetric magnetorotational instability: Theory, Computation, and Experiment	University of New Hampshire	Durham	NH	03824
Pagan-Torres, Yomaira	Bidirectional Computational-Experimental Framework for Catalytic Motif Discovery in Ternary Metal Oxides	University of Puerto Rico at Mayaguez	Mayaguez	PR	00681
Pawlowski, Filip	Molecular Response Properties and Energies from Novel Properties-Oriented Perturbation Theory on Exascale Platforms	Auburn University	Auburn	AL	36849
Peng, Zhenmeng	Electrified Molecular Activation Pathways for Catalytically Controlled, Low-Temperature Coal-to-Chemicals Conversion	University of South Carolina	Columbia	SC	29208
Pletneva, Ekaterina	Electron uptake and distribution by iron-oxidizing bacteria	Dartmouth College	Hanover	NH	03755
Rudenko, Artem	Multi-coincidence X-ray imaging of ultrafast photochemical reactions at LCLS-II	Kansas State University	Manhattan	KS	66506

Sabolsky, Edward	Transforming Coal Ash Waste into a Domestic Critical and Rare Earth Element Supply: A Coupled Experimental and Multiphysics Approach to Microwave Assisted Beneficiation for Enhanced Extraction	West Virginia University	Morgantown	WV	26505
Sawada, Hiroshi	Short-Pulse Laser Heating of Shock-Compressed Dense Plasmas with XFEL Measurements	University of Nevada, Reno	Reno	NV	89557
Shustova, Natalia	Stimuli-Responsive Actinide Coordination Chemistry	University of South Carolina	Columbia	SC	29208
Subedi, Tulasi	FPGA-Based Trigger and Readout for Neutrino Detectors in Neutrino Alley at the Spallation Neutron Source	Concord University	Athens	WV	24712
Sun, Jianwei	First Principles Design of Magnonic Materials for Quantum Information Systems	Tulane University	New Orleans	LA	70118
Swaminathan, Kankshita	Unraveling the genetic basis of self-incompatibility in Miscanthus	HudsonAlpha	Huntsville	AL	38506
Thompson, Ward	Understanding Energetic and Entropic Driving Forces for Solvation from Solutions to Interfaces	University of Kansas	Lawrence	KS	66045
Tsai, Yu-Tsung	Investigating Axial Chiral Phonons for Opto-Spintronic Control in Quantum Materials	University of Wyoming	Laramie	WY	82071
von Fromm, Sophie	Soil Functional Types for Next-Generation Earth System Models: An AI-Driven Biogeochemical Classification Framework	Montana State	Bozeman	MT	59717
Wong, Thomas	Advancing Quantum Walks for Quantum Computing	Creighton University	Omaha	NE	68178
Xu, Pei	Valorizing Hypersaline Brine from Oil and Gas Production for Onsite Acid and Base Generation	New Mexico State University	Las Cruces	NM	88003
Yu, Zhou	Data-Driven Molecular Design of Nanostructured Polynorbornene Membranes for Electric-Field-Enabled Rare Earth Separation	The University of Alabama, Tuscaloosa	Tuscaloosa	AL	35487
Zhang, Ying	Insights into the Evolution and Adaptation of Biomineralization Mechanisms in Foraminifera Protists	University of Rhode Island	Kingston	RI	02881