

Department of Energy Announces \$31 Million for the Funding for Accelerated, Inclusive Research (FAIR) initiative

Announcement Number: DE-FOA-0003207 FY 2024 Funding for Accelerated, Inclusive Research (FAIR)

List Posted: 11/21/2024

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
Kametani, Fumitake	4D-STEM Nano-Characterization Infrastructure to Enhance Materials Research for Underrepresented Minorities	Florida A&M University	Tallahassee	FL	32307-3200
Ondera, Thomas	Building ASU Isotope Research Infrastructure and Expertise to Advance Isotope Production and Basic Research Capabilities	Alcorn State University	Lorman	MS	39096-7500
Castillo, Jose	Building Capacity for Novel High-Temperature Plasma Research at San Diego State University	San Diego State University Research Foundation	San Diego	CA	92182-1931
Pham, Joyce	Building the Infrastructure for Physical Property Measurements Toward Design of Organic-Inorganic Hybrid Materials with Geometric Frustration	University Enterprises Corporation at CSUSB	San Bernardino	CA	92407-2318
Hirst, Linda	Chaos, mixing, and energy extraction in active nematic	The Regents of the University of California	Merced	CA	95343-5001
Green, Robert	Collaboration to Introduce Neutron Diffraction to Enhance Research Education by increasing Lab Access (CINDERELA)	Alabama State University	Montgomery	AL	36104-5615
Li, Tao	Developing Novel Electrolytes to Suppress Transition Metal Dissolution in Battery Cathodes Using Multimodal Characterization	Northern Illinois University	DeKalb	IL	60115-2864
Crawford, Grant	Development of Cold Spray Additive Manufacturing for Tungsten-Based Plasma-Facing Components	South Dakota School of Mines & Technology	Rapid City	SD	57701-3901
Ariesanti, Elsa	Development of Novel Li-Based Halide Dual Mode Scintillators for Neutron-Gamma Radiation Detection and Imaging	Fisk University	Nashville	TN	37208-3045
Ozden, Burcu	Discovering a controlled mechanism to pattern antisite defect qubits in CVD-grown monolayer Transition Metal Dichalcogenides	The Pennsylvania State University	University Park	PA	16802-7000
Phipps, Arran	DOE-FAIR: Cryogenic Charge Amplifiers for Sub-GeV Dark Matter Detectors	California State University East Bay Foundation	Hayward	CA	94542-1602
Prokopchuk, Demyan	Electrically Driven Catalysis with Supercharged Reducing Agents	Rutgers - State University of New Jersey, Newark	Newark	NJ	07102-1808
Baber, Ashleigh	Elucidating Oxophilic Pathways of Enhanced Epoxidation Reactions by Optimization of Ag Assemblies on Bifunctional Copper-based Catalyst	James Madison University	Harrisonburg	VA	22807-0001
Strubbe, David	Exciton self-trapping in low-dimensional organic metal halide hybrid materials from GW/Bethe-Salpeter calculations and machine-learning-based force fields	The Regents of the University of California	Merced	CA	95343-5001
Lu, Gang	Excitons in Flatlands: First-Principles Explorations	The University Corporation (California State University, Northridge; CSUN)	Northridge	CA	91330-8232
Bertelsen, Erin	Expanding the Potential for Chemical Separations with Carbon Supports	University of Massachusetts Lowell	Lowell	MA	01854-3692
Kim, Iltai	Exploring the effect of thermal energy by the plasmonic photothermal catalyst in hydrogen generation	Texas A&M University, Corpus Christi	Corpus Christi	TX	78412-5844
Vansco, Michael	Exploring the Kinetics and Reaction Dynamics of Peroxy Radical Unimolecular Decay	Coastal Carolina University	Conway	SC	29528-6054
Sanchez, Erik	Fast-Neutron Source Localization using a Single-Photon Camera	Portland State University	Portland	OR	97207-0751
Hernandez, Heriberto	Fundamental studies of the influence of ligands on the molecular structure of noble metal nanoclusters	Grinnell College	Grinnell	IA	50112-2227
Ekuma, Chinedu	Harnessing Nonnegative Matrix Factorization for Advanced Computational Materials Modeling	Lehigh University	Bethlehem	PA	18015-3093
Gu, Yijia	Harnessing Recycled Aluminum for Enhanced Alloy Performance: Primary Intermetallic Phase Control through Rapid Solidification	The Curators of the University of Missouri (Rolla) (Mo. Univ of Sci and Tech)	Rolla	MO	65409-6506
Goff, Jennifer	High-dimensional characterization of forest mesophication effects on reactive nitrogen emissions by soil microorganisms	Research Foundation for the State University of New York d/b/a RFSUNY - SUNY ESF (Environmental Science and Forestry)	Syracuse	NY	13210-2712
Shoele, Kourosh	Identifying the Regimes and Acoustics of Cryogenic Boiling heat Transfer for Accelerator Applications	Florida A&M University	Tallahassee	FL	32307-3200

Zorzetto, Enrico	Improving the physical realism of snow processes in E3SM.	New Mexico Institute of Mining and Technology	Socorro	NM	87801-4681
Markoff, Diane	Inelastic Neutrino-Nucleus Scattering Research by NCCU at ORNL	North Carolina Central University	Durham	NC	27707-3129
Makin, Robert	Investigation and Prediction of Structural Ordering in Monocrystalline Nitrides Through Classical and Generative Machine Learning and Tunable Energetics	Western Michigan University	Kalamazoo	MI	49008-5200
Constantinides, Christos	Leveraging Radical Dynamics to Generate Nuclear Spin Hyperpolarization	University of Michigan - Dearborn	Dearborn	MI	48128-8128
Teng, Xiaowei	Mechanistic Understanding of Electro-Chemo-Mechanical Interplay for Selective and Intercalative Extraction of Uranyl Ions using Disordered Metal Oxides	Worcester Polytechnic Institute	Worcester	MA	01609-2247
Haque, Mohammad Shafinul	Modeling Ion-Irradiated Mechanical Properties of Novel High-Power Target Materials	Angelo State University	San Angelo	TX	76909-5099
Lockard, Jenny	Molecular engineering control of photo-induced charge transfer and transport in donor-acceptor frameworks	Rutgers - State University of New Jersey, Newark	Newark	NJ	07102-1808
Papaefstathiou, Andreas	Monte Carlo Simulations for Polarized and In-medium Parton Evolution in the Nuclear Realm	Kennesaw State University Research and Service Foundation	Kennesaw	GA	30144-5991
O'Bannon, Andrew	Novel Holographic Approaches to the Non-perturbative Dynamics of Proton Spin	Research Foundation for the State University of New York d/b/a RFSUNY - Old Westbury	Old Westbury	NY	11568-1700
Breyse, Patrick	Pioneering Millimeter-Wavelength Line Intensity Mapping Surveys for Large-Scale Cosmology	Southern Methodist University	Dallas	TX	75275-0240
Hall, Allison	Preparing for the Exascale of the CMS experiment	NAVY, UNITED STATES DEPARTMENT OF T	Annapolis	MD	21402-1236
TURNER, DANIEL	Probing Coherence Dynamics in Model systems to Understand Energy Transfer in Photosynthesis	Boise State University	Boise	ID	83725-0001
Wang, Xiaoling	Probing Electronic Instabilities and Magnetic Correlations in Kagome Metals using Advanced Magnetic Resonance Techniques	California State University East Bay Foundation	Hayward	CA	94542-1602
Semnani, Abbas	Resonant Microwave Plasma Sources to Improve the Efficiency of Compact Plasma-Based Accelerators	The University of Toledo	Toledo	OH	43606-3390
LaRue, Jerry	Ultrafast dynamics of core-shell nanoparticle photocatalysts	Chapman University	Orange	CA	92866-1005
Dhital, Chetan	Understanding and tuning the interplay between electronic topology and magnetism in magnetic topological materials	Kennesaw State University Research and Service Foundation	Kennesaw	GA	30144-5991
Rhodes, Christopher	Understanding Degradation Mechanisms and Rates in Acidic Metal Oxide Oxygen Evolution Electrocatalysts	Texas State University	San Marcos	TX	78666-4684
Asmar, Mahmoud	Vortex Light-driven Structured Quantum Matter	Kennesaw State University Research and Service Foundation	Kennesaw	GA	30144-5991