

Department of Energy Announces \$73 Million for Basic Research on Accelerating the Transition from Discovery to Commercialization

Announcement Number:

LAB 23-3010 Accelerate Innovations in Emerging Technologies

List Posted:

9/11/2023

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

Principal Investigator	Title	Institution	City	State	9-digit zip code
Salvachua Rodriguez, Davinia	Real-time Sensing and Adaptive Computing to Elucidate Microenvironment-Induced Cell Heterogeneities and Accelerate Scalable Bioprocesses	National Renewable Energy Laboratory (NREL)	Golden	CO	80401-3111
Valente-Feliciano, Anne-Marie	Advance superconducting integration process enabling sustainable hardware for AI and quantum computing	Thomas Jefferson National Accelerator Facility (TJNAF)	Newport News	VA	23606-4468
Vennekate, John	Next Generation High-Power Compact Accelerators for Industrial Applications	Thomas Jefferson National Accelerator Facility (TJNAF)	Newport News	VA	23606-4468
Bare, Simon	Integrated Platform to Predict Degradation of Catalysts for Sustainable Conversion of Alternate Feedstocks to Fuels and Chemicals	SLAC National Accelerator Laboratory	Menlo Park	CA	94025-7015
Segal, Julie	3D Integrated Sensing Solutions	SLAC National Accelerator Laboratory	Menlo Park	CA	94025-7015
Xie, Si	Superconducting photon detector technology to enable fundamental discoveries	Fermi National Accelerator Laboratory	Batavia	IL	60510-5011
Kowalski, Karol	Transferring exascale computational chemistry to cloud computing environment and emerging hardware technologies (TEC4)	Pacific Northwest National Laboratory (PNNL)	Richland	WA	99352-1793
Sipahigil, Alp	Phonon control for next-generation superconducting systems and sensors	Lawrence Berkeley National Laboratory (LBNL)	Berkeley	CA	94720-8099
Nam, Chang-Yong	Angstrom Era Semiconductor Patterning Material Development Accelerator	Brookhaven National Laboratory (BNL)	Upton	NY	11973-5000
Nolen, Jerry	Tele-robotics to Tele-autonomous Robotics for Isotope Production	Argonne National Laboratory (ANL)	Lemont	IL	60439-4803
Varma, Venugopal	The Maintainable Fusion Pilot Plant	Oak Ridge National Laboratory (ORNL)	Oak Ridge	TN	37831-6118