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## NRC Anticipates Awarding \$11.7 Million in Research and Development Grants for 2024

The Nuclear Regulatory Commission anticipates awarding 24 research and development grant proposals next year totaling more than \$11.7 million. Final awards will be issued by the end of January 2024 and posted the following month on the NRC [website](#).

This is the fourth year the NRC has offered a research component under the University Nuclear Leadership Program, which provides grants to academic institutions to support research and development for nuclear science, engineering, technology and related disciplines. The intent of the grants is to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities, and the safe handling of nuclear materials.

“We are very impressed with the quality of these proposals and look forward to continuing to support the development of the nuclear talent of tomorrow,” said Ray Furstenau, director of the NRC’s Office of Nuclear Regulatory Research.

The grant proposals included three Minority Serving Institutions and nine partnering institutions.

The following proposals have been recommended for awards:

Institutional Name	State	Technical Area	Amount	Project Liaison
University of Michigan	MI	Artificial Intelligence/ Machine Learning	\$ 500,000	Majdi I. Radaideh
North Carolina State University	NC	Artificial Intelligence/ Machine Learning	\$ 500,000	Abhinav Gupta
Ohio State University	OH	Electrical and I&C	\$ 500,000	Lei Raymond Cao
University of Texas at Austin	TX	Electrical and I&C	\$ 500,000	Mitch Pryor
Rensselaer Polytechnic Institute	NY	Fuels Analysis	\$ 500,000	Shanbin Shi
University of California, Berkeley	CA	Fuels Analysis	\$ 500,000	Massimiliano Fratoni
North Carolina State University	NC	Materials Performance	\$ 500,000	Ge Yang
Purdue University	IN	Materials Performance	\$ 500,000	Janelle P. Wharry
University of Pittsburgh	PA	Materials Performance	\$ 499,995	Jung-Kun Lee

Texas A&M University - College Station	TX	Materials Performance	\$ 497,321	Karim Ahmed
University of Pittsburgh	PA	Materials Performance	\$ 500,000	Paul Ohodnicki
University of Nevada, Reno	NV	Materials Performance	\$ 500,000	Pradeep Menezes
University of Wisconsin-Madison	WI	Neutronics Analysis	\$ 500,000	Juliana Pacheco Duarte
Kansas State University	KS	Neutronics Analysis	\$ 499,906	Walter McNeil
Texas A&M Kingsville	TX	Neutronics Analysis	\$ 250,000	Xue Yang
University of New Mexico	NM	Neutronics Analysis	\$ 500,000	Christopher Perfetti
Louisiana State University	LA	Radiation Protection Analysis	\$ 500,000	Yong-Ha Kim
Colorado State University	CO	Radiation Protection Analysis	\$ 500,000	Del Leary
University of Puerto Rico Mayaguez	PR	Risk Analysis	\$ 499,963	Luis A. Montejo
Purdue University	IN	Risk Analysis	\$ 482,592	Jason T. Harris
University of Maryland	MD	Risk Analysis	\$ 500,000	Michelle (Shelby) Bensi
University of California Los Angeles	CA	Risk Analysis	\$ 500,000	Ali Mosleh
University of Illinois at Urbana-Champaign	IL	Risk Analysis	\$ 499,997	Zahra Mohaghegh
University of Alabama at Birmingham	AL	Risk Analysis (HP)	\$ 493,560	Emily Caffrey
			<b><u>\$ 11,723,334</u></b>	

The remainder of the FY2023 UNLP funds will be allotted for scholarships, fellowships, trade schools/community colleges and distinguished faculty advancement, and awarded by the end of April 2024.