

Department of Energy Announces \$19.5 Million for Integrated Biological and Computational Low Dose Radiation Research

Announcement Number: DE-FOA-0003281

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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
Amundson, Sally	Human bone-Marrow model for response network studies of low dose / low dose-rate radiation exposures	Columbia University	New York	NY	10032-3702
Bolch, Wesley	Combined Dosimetric and Toxicological Contributions to Bone Marrow Response in Mice from Low-Dose Strontium Exposure using AI-Driven Mouse Model and Digital Twins	University of Florida	Gainesville	FL	32611-5500
Cheng, Qingsu	Automated High Throughput Screening of the Effect of Low-Dose Radiation on Breast using Fibroblasts Incorporated Mammographic Density Models	University of Wisconsin-Milwaukee	Milwaukee	WI	53201-0340
Cucinotta, Francis	Combined Experimental and AI-Based Deep Learning Approach to Low Dose and Dose-Rate Breast Cancer Radiation Risk Prediction	University of Nevada, Las Vegas	Las Vegas	NV	89154-1055
Davis, Anthony	Evaluation of the cellular and molecular responses of human skin fibroblasts and neurons derived from iPSCs with varying intrinsic radiosensitivity to low dose radiation	University of Texas Southwestern Medical Center	Dallas	TX	75390-7208
Fornace, Albert	Exploring T Cell functional dynamics following low-dose radiation exposure: insights into metabolic and other regulatory alterations using a multi-omics systems biology approach	Georgetown University	Washington	DC	20057-1168
Hurley, Jennifer	Modeling the Circadian Effects of Low Dose Radiation on Immunometabolism and Its Effect on Liver Organoid Physiology	Rensselaer Polytechnic Institute	Troy	NY	12180-3522
Kanai, Yosuke	Ab Initio Modeling Capabilities for Simulating DNA Damage Under Ionizing Radiation	University of North Carolina at Chapel Hill	Chapel Hill	NC	27599-1350
MacCoss, Michael	Quantitative Protein Signatures of Low Dose Radiation Exposure	University of Washington	Seattle	WA	98195-9472
McCord, Rachel	Bridging the gap between low dose exposures and emergent physiology using integrative modeling and experimentation from epigenome to cell phenotype	The University of Tennessee	Knoxville	TN	37996-1529
Ray, Animesh	AI-facilitated assessment of exosome-mediated bystander effects of low-dose ionizing radiation	Keck Graduate Institute of Applied Life Sciences	Claremont	CA	91711-4817
Snell, Edward	Understanding the mechanism and health consequences of low-dose radiation at a molecular level	Hauptman Woodward Medical Research Institute, Inc	Buffalo	NY	14203-1102
Woloschak, Gayle	Single Cell level elemental signatures of low dose radiation exposures in mammalian model systems	Northwestern University	Chicago	IL	60611-4579
Wu, Joseph	Genetic diversity of human heart responses to low-dose radiation	Stanford University	Redwood City	CA	94063-8445