

Department of Energy Announces \$10 Million for Research on Environmental System Science

Announcement Number: DE-FOA-0002584

List Posted: 8/2/2022

Principal Investigator	Title	Institution	City	State	9-digit zip code
Chow, Alex	How do wildfire severity and post-fire precipitation influence fate and transport of pyrogenic organic carbon and nitrogen in terrestrial-aquatic interfaces?	Clemson University	Clemson	SC	29634-1010
Atkins, Jeffrey	How do wildfire severity and post-fire precipitation influence fate and transport of pyrogenic organic carbon and nitrogen in terrestrial-aquatic interfaces? (Collaboration)	USDA-Forest Service	New Ellenton	SC	29809-9809
Brooks, Scott	How do wildfire severity and post-fire precipitation influence fate and transport of pyrogenic organic carbon and nitrogen in terrestrial-aquatic interfaces? (Collaboration)	Oak Ridge National Laboratory	Oak Ridge	TN	37831-6324
Jacobs, Elin	Hydraulic redistribution in forests: Spatial and temporal drivers of variation, and consequences for climate feedbacks	Purdue University	West Lafayette	IN	47906-1332
Fang, Yilin	Hydraulic redistribution in forests: Spatial and temporal drivers of variation, and consequences for climate feedbacks (Collaboration)	Pacific Northwest National Laboratory	Richland	WA	99354-1793
Kueppers, Lara	Integrating tree hydraulic trait, forest stand structure, and topographic controls on ecohydrologic function in a Rocky Mountain subalpine watershed	University of California-Berkeley	Berkeley	CA	94720-5800
Woodburn, Erica	Integrating tree hydraulic trait, forest stand structure, and topographic controls on ecohydrologic function in a Rocky Mountain subalpine watershed (Collaboration)	Lawrence Berkeley National Laboratory	Berkeley	CA	94720-8099
Marinos, Richard	Expansion and stimulation of the rhizosphere during hydraulic redistribution	University of Buffalo	Buffalo	NY	14260-1660
McCormack, Michael (Luke)	MycoPhen: Linking mycorrhizal network phenology to above- and belowground plant phenology and environmental factors	Morton Arboretum	Lisle	IL	60532-1288
Mortazavi, Behzad	Investigating hydrologic connectivity as a driver of biogeochemical flood response in wetland systems	University of Alabama	Tuscaloosa	AL	35487-0104
Stegen, James	Investigating hydrologic connectivity as a driver of biogeochemical flood response in wetland systems (Collaboration)	Pacific Northwest National Laboratory	Richland	WA	99354-1793
O'Halloran, Thomas	Understanding Spatial and Temporal Drivers of Variation in Tree Hydraulic Processes and their Consequences for Climate Feedbacks	Clemson University	Clemson	SC	29634-1010
Domec, Jean-Christophe	Understanding Spatial and Temporal Drivers of Variation in Tree Hydraulic Processes and their Consequences for Climate Feedbacks (Collaboration)	Duke University	Durham	NC	27705-4010
Huang, Cheng-Wei	Understanding Spatial and Temporal Drivers of Variation in Tree Hydraulic Processes and their Consequences for Climate Feedbacks (Collaboration)	Portland State University	Portland	OR	97207-0751
Oishi, Chris	Understanding Spatial and Temporal Drivers of Variation in Tree Hydraulic Processes and their Consequences for Climate Feedbacks (Collaboration)	USDA-Forest Service	Otto	NC	28763-9218
Viner, Brian	Understanding Spatial and Temporal Drivers of Variation in Tree Hydraulic Processes and their Consequences for Climate Feedbacks	Savannah River Ecology Laboratory	Jackson	SC	29831-0001
Pockman, William	Empirical measurements and model representation of hydraulic redistribution as a control on function of semiarid woody ecosystems	University of New Mexico	Albuquerque	NM	87131-0001
Sullivan, Pamela	Plant-mediated hydraulic redistribution: a valve controlling watershed solute transport?	Oregon State University	Corvallis	OR	97331-2140
Graham, Emily	Plant-mediated hydraulic redistribution: a valve controlling watershed solute transport? (Collaboration)	Pacific Northwest National Laboratory	Richland	WA	99354-1793
Vargas, Rodrigo	STEER-CF: Storm Treatment Effects on Ecosystem Processes of Coastal Forests	University of Delaware	Newark	DE	19716-0099
Bond-Lamberty, Ben	STEER-CF: Storm Treatment Effects on Ecosystem Processes of Coastal Forests (Collaboration)	Pacific Northwest National Laboratory	Richland	WA	99354-1793

Xu, Xiangtao	MACROCOSM: Monitor And Constrain tROPical eCOsystem Sensitivity to Moisture	Cornell University	Ithaca	NY	14850-2820
Koven, Charlie	MACROCOSM: Monitor And Constrain tROPical eCOsystem Sensitivity to Moisture (Collaboration)	Lawrence Berkeley National Laboratory	Berkeley	CA	94720-8099
Zhang, Ye	Groundwater supported vegetation refugia as a mechanism for forest recovery in a Rocky Mountain Watershed impacted by wildfire	University of Wyoming	Laramie	WY	82071-2000