DOE Announces $33 Million for Research on Systems Biology Enabled Microbiome Research

Annoucement Number: *DE-FOA-0002602* *List Posted:* *9/13/2022*

Principal Investigator	Title	Institution	City	State	9-digit zip code
Orphan, Victoria	Ecological and molecular controls of metabolic activity in microbial interactions driving ecosystem-wide methane cycling	California Institute of Technology	Pasadena	CA	91125-0001
Christopher Henry	Ecological and molecular controls of metabolic activity in microbial interactions driving ecosystem-wide methane cycling	Argonne National Lab	Lemont	IL	60439-4801
Robert Hettich	Ecological and molecular controls of metabolic activity in microbial interactions driving ecosystem-wide methane cycling	Oak Ridge National Lab	Oak Ridge`	TN	37830-8050
Glassman, Sydney	Predicting post-fire N cycling through traits and cross-kingdom interactions	University of California, Riverside	Riverside	CA	92521-0217
Hungate, Bruce	Friends and foes: microbial interactions and soil biogeochemistry after 23 years of experimental warming	Northern Arizona University	Flagstaff	AZ	86011-4130
Jennifer Pett-Ridge Steven Blazewicz	Friends and foes: microbial interactions and soil biogeochemistry after 23 years of experimental warming	Lawrence Livermore National Lab	Livermore	CA	94550-9698
Kirsten Hofmockel	Friends and foes: microbial interactions and soil biogeochemistry after 23 years of experimental warming	Pacific Northwest National Lab	Richland	WA	99354-1793
Meredith, Laura	A volatile environment: How volatile mediated plant and microbial interactions extend the rhizosphere and enhance soil carbon storage	The University of Arizona	Tuscon	AZ	85721-0158
Eoin Brodie Kolby Jardine Romy Chakroborty	A volatile environment: How volatile mediated plant and microbial interactions extend the rhizosphere and enhance soil carbon storage	Lawrence Berkeley National Lab	Berkeley	CA	94720-8099
Varner, Ruth	Gatekeepers of Arctic carbon loss: landscape-scale metabolites-to-ecosystems profiling to mechanistically map climate feedbacks	University of New Hampshire	Durham	NH	03824-2600
Jinyn Tang	Gatekeepers of Arctic carbon loss: landscape-scale metabolites-to-ecosystems profiling to mechanistically map climate feedbacks	Lawrence Berkeley National Lab	Berkeley	CA	94720-8099
Wrighton, Kelly	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands	Colorado State University	Fort Collins	CO	80523-2002
William Riley	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands	Lawrence Berkeley National Lab	Berkeley	CA	94720-8099
Christopher Henry	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands	Argonne National Lab	Lemont	IL	60439-4801
Sheel Bansal Eric Ward	Decoding the Unifying Microbial Metabolic Controllers on Soil Carbon Cycling Across Freshwater Wetlands	US Geological Survey	Jamestown	ND	58401-9736
Sullivan, Matthew	From viromes to virocells: dissecting viral roles in terrestrial microbiomes and nutrient cycling	Ohio State University	Columbus	OH	43210-1016
Robert Hettich	From viromes to virocells: dissecting viral roles in terrestrial microbiomes and nutrient cycling	Oak Ridge National Lab	Oak Ridge`	TN	37830-8050
Vivek Mutalik	From viromes to virocells: dissecting viral roles in terrestrial microbiomes and nutrient cycling	Lawrence Berkeley National Lab	Berkeley	CA	94720-8099
Kostka, Joel	Toward a predictive understanding of the role of plant-derived persistent compounds in peatland soil carbon sequestration under climate change: revisiting the 'enzyme latch' hypothesis.	Georgia Tech	Atlanta	GA	30332-0230
Christopher Schadt	Toward a predictive understanding of the role of plant-derived persistent compounds in peatland soil carbon sequestration under climate change: revisiting the 'enzyme latch' hypothesis.	Oak Ridge National Lab	Oak Ridge`	TN	37830-8050
DeAngelis, Kristen	How Microbiomes and Minerals Make Necromass that Persists	University of Massachusetts, Amherst	Amherst	MA	01035-9450

Melanie Mayes	How Microbiomes and Minerals Make Necromass that Persists	Oak Ridge National Lab	Oak Ridge`	TN	37830-8050
Nguyen, Nhu	Fungal-Bacterial Interactions: Bridging Soil Niches in Regulating Carbon and Nitrogen Processes	University of Hawaii	Honolulu	HI	96822-2234
Jennifer Pett-Ridge	Fungal-Bacterial Interactions: Bridging Soil Niches in Regulating Carbon and Nitrogen Processes	Lawrence Livermore National Lab	Livermore	CA	94550-9698