NIEHS Superfund Basic Research and Training Program (SRP)

Multiproject Center Grants:

Superfund Research Program Center Grants tackle health and environmental issues related to exposures to hazardous substances in the environment. These P42 multiproject centers consist of several projects and cores conducting problem-solving interdisciplinary research. The centers are designed to promote integration across biomedical and environmental science and engineering disciplines and include community engagement, research translation, and training components, and data management. These grants are funded in response to the Superfund Hazardous Substance Research and Training Program (P42) Request for Applications.

Baylor College of Medicine
Polycyclic Aromatic Hydrocarbons: Ultrasensitive Detection, Early-Life Exposures - Clinical Outcomes, Prevention, and Remediation
CENTER DIRECTOR: Bhagavatula Moorthy
bmoorthy@bcm.edu
GRANT NUMBER: P42ES027725

Columbia University
Columbia University and Northern Plains Partnership for the Superfund Research Program
CENTER DIRECTOR: Ana Navas-Acien
an2737@cumc.columbia.edu
GRANT NUMBER: P42ES033719

Duke University
Developmental Exposures: Mechanisms, Outcomes, and Remediation
CENTER DIRECTOR: Heather Stapleton
heather.stapleton@duke.edu
GRANT NUMBER: P42ES010356

Emory University
Community-Oriented Action, Science and Translation Superfund Center (COAST)
CENTER DIRECTOR: Dana Boyd Barr
dbbarr@emory.edu
GRANT NUMBER: P42ES036533

Harvard School of Public Health
Metals and Metal Mixtures: Cognitive Aging, Remediation, and Exposure Sources (MEMCARE)
CENTER DIRECTOR: Quan Lu
qlu@hsph.harvard.edu
GRANT NUMBER: P42ES030990

Louisiana State University
Environmentally Persistent Free Radicals
CENTER DIRECTOR: Stephania A. Cormier
stephaniacormier@lsu.edu
GRANT NUMBER: P42ES013648

Massachusetts Institute of Technology
A Systems Approach for the Protection of Human Health From Hazardous Chemicals
CENTER DIRECTOR: Bevin Engelward
bevin@mit.edu
GRANT NUMBER: P42ES027707

Michigan State University
Environmental, Microbial, and Mammalian Biomolecular Responses to AhR Ligands
CENTER DIRECTOR: Timothy R. Zacharewski
tzachare@msu.edu
GRANT NUMBER: P42ES004911

North Carolina State University
Center for Environmental and Health Effects of PFAS
CENTER DIRECTOR: Carolyn J. Mattingly
cjmattin@ncsu.edu
GRANT NUMBER: P42ES031009

Oregon State University
Center for the Science, Technology, and Emerging Health Risks of PAHs
CENTER DIRECTOR: Robyn Tanguay
robyn.tanguay@oregonstate.edu
GRANT NUMBER: P42ES016465

Texas A&M University
Comprehensive Tools and Models for Addressing Exposure to Mixtures During Environmental Emergency-Related Contamination Events
CENTER DIRECTOR: Ivan Rusyn
irusyn@cvm.tamu.edu
GRANT NUMBER: P42ES027704

University of Alabama at Birmingham
Impact of Airborne Heavy Metals on Lung Disease and the Environment
CENTER DIRECTOR: Veena Antony
vantony@uab.edu
GRANT NUMBER: P42ES027723

University of Arizona
The DUST Center: Hazardous Dust in Drylands - Exposure, Health Impacts, and Mitigation
CENTER DIRECTOR: Xinxin Ding
xiding@pharmacy.arizona.edu
GRANT NUMBER: P42ES004940

University of California, Berkeley
Toxic Substances in the Environment
CENTER DIRECTOR: Martyn Smith
martynts@berkeley.edu
GRANT NUMBER: P42ES004705

(See other side)

Learn more about SRP funding opportunities:
https://www.niehs.nih.gov/research/supported/centers/srp/funding

To learn more about these projects, visit the SRP Who We Fund webpage:
https://www.niehs.nih.gov/research/supported/centers/srp/whowhatwhere/programs

Multiproject Center Grants: (Continued)

University of Iowa
Airborne PCBs: Sources, Exposures, Toxicities, Remediation
CENTER DIRECTOR: Keri Hornbuckle
keri-hornbuckle@uiowa.edu
GRANT NUMBER: P42ES013661

University of Kentucky
Nutrition and Superfund Chemical Toxicity
CENTER DIRECTOR: Kelly Pennell
kellypennell@uky.edu
GRANT NUMBER: P42ES007380

University of Louisville
Environmental Exposure and Cardiometabolic Disease
CENTER DIRECTOR: Sanjay Srivastava
sanjay@louisville.edu
GRANT NUMBER: P42ES023716

University of New Mexico
UNM Metal Exposure Toxicity Assessment on Tribal Lands in the Southwest (METALS) Superfund Research Program
CENTER DIRECTOR: Jose Cerrato
jcerrato@unm.edu
GRANT NUMBER: P42ES025589

University of North Carolina at Chapel Hill
The UNC Chapel Hill Superfund Research Program
CENTER DIRECTOR: Rebecca C. Fry
rfry@email.unc.edu
GRANT NUMBER: P42ES031007

University of Rhode Island
Sources, Transport, Exposure, and Effects of PFASs (STEEP)
CENTER DIRECTOR: Rainer Lohmann
rlohmann@gso.uri.edu
GRANT NUMBER: P42ES027706

University of Southern California
Southern California Superfund Research and Training Program for PFAS Assessment, Remediation, and Prevention (ShARP)
CENTER DIRECTOR: Vaia Lida Chatzi
chatzi@usc.edu
GRANT NUMBER: P42ES036506

Wayne State University
Center for Leadership in Environmental Awareness and Research
CENTER DIRECTOR: Melissa A. Runge-Morris
m.runge-morris@wayne.edu
GRANT NUMBER: P42ES030991

Yale University
Emerging Water Contaminants: Investigating and Mitigating Exposures and Health Risks
CENTER DIRECTOR: Vasilis Vasiliou
vasilis.vasiliou@yale.edu
GRANT NUMBER: P42ES033815

Individual Research Project Grants:

The Individual Research Project (R01) grants target research questions to better understand how contaminants in the environment are affected by complex biological, geological, and chemical processes. They also support projects directed at understanding how hazardous substances affect human health.

Florida State University
Enhancing Bioremediation of Groundwater Co-Contaminated by Chlorinated Volatile Organic Compounds and 1,4-Dioxane Using Novel Macrocyclic Materials
PRINCIPAL INVESTIGATORS:
Youneng Tang
ytang@eng.famu.fsu.edu
Yuexiao Shen
yuexiao.shen@ttu.edu
GRANT NUMBER: R01ES032692

North Carolina State University
Metabolic Impacts of PFAS Exposure in the Cape Fear Basin: GenX Exposure Study
PRINCIPAL INVESTIGATOR:
Jane Hoppin
jahoppin@ncsu.edu
GRANT NUMBER: R01ES039536

Oregon State University
Development of Passive and Sustainable Cometabolic Systems to Treat Complex Contaminant Mixtures by Encapsulating Microbial Cultures and Slow Release Substrates in Hydrogels
PRINCIPAL INVESTIGATORS:
Lewis Semprini
lewis.semprini@oregonstate.edu
Michael Hyman
mrhyman@ncsu.edu
William Rochefort
skip.rochefort@oregonstate.edu
GRANT NUMBER: R01ES032707

University of Missouri
Efficient Bioremediation of Environmentally Persistent Contaminants With Nanomaterial-Fungus Framework
PRINCIPAL INVESTIGATORS:
Yuan (Susie) Dai
sydai@missouri.edu
Gregory Lowry
glowry@cmu.edu
Joshua Yuan
syuan@tamu.edu
GRANT NUMBER: R01ES032708

University of California, Riverside
Synergistic Material-Microbe Interface Toward Faster, Deeper, and Air-Tolerant Reductive Dehalogenation
PRINCIPAL INVESTIGATORS:
Yujie Men
ymen@engr.ucr.edu
Chong Liu
chongliu@chem.ucla.edu
GRANT NUMBER: R01ES032707

University of Massachusetts Amherst
A Novel Strategy for Arsenic Phytoremediation
PRINCIPAL INVESTIGATORS:
Om Parkash Dhankher
parkash@umass.edu
Dhandapani Venkataraman
dv@umass.edu
Baoshan Xing
bx@umass.edu
Jason White
jason.white@ct.gov
GRANT NUMBER: R01ES032686

(See other side)

Individual Research Project Grants: (Continued)

University of Wisconsin-Madison
Examining Pathways of PFAS Exposure and Their Impacts on Hyperlipidemia in a Rural Community Impacted by Land Spreading

PRINCIPAL INVESTIGATOR:
Any Schultz
aaschultz@wisc.edu
GRANT NUMBER: R01ES038862

Research Education Programs in Emerging Technologies Grants:

These Research Education Program (R25) grants support the development and delivery of training curricula and educational resources on occupational health and safety related to emerging technologies and contaminants. Funded in response to the Superfund Research Program "Occupational and Safety Education Programs on Emerging Technologies" Request for Applications.

Johns Hopkins University
Program on Occupational Health and Safety Education on Emerging Technologies - Mid Atlantic Partnership (POccET MAP)

PRINCIPAL INVESTIGATOR:
Gurumurthy Ramachandran
ramac002@umn.edu
GRANT NUMBER: R25ES033038

Purdue University
Distance Education and Training on Emerging Contaminants and Technologies (DETECT)

PRINCIPAL INVESTIGATOR:
Ellen M. Wells
wells54@purdue.edu
GRANT NUMBER: R25ES033045

University of California, Los Angeles
Occupational and Environmental Exposures and Work Practices for Nanomaterials and Electronic Products

PRINCIPAL INVESTIGATOR:
Su-Jung (Candace) Tsai
candacetsai@ucla.edu
GRANT NUMBER: R25ES033043

University of Utah
Biological Hazard Site Training in Emerging Technologies (BioSTET) for Health and Safety

PRINCIPAL INVESTIGATOR:
Darrah Kaye Sleeth
u0704501@utah.edu
GRANT NUMBER: R25ES033046

Small Business Innovation Research (SBIR) Grants:

Small Business Innovation Research (SBIR) grants are awarded to small businesses to foster the commercialization of technologies, products, and devices for detection and remediation of hazardous substances in the environment. These grants are funded in response to the Omnibus Solicitation of the NIH, CDC, FDA, and ACF for SBIR (R43/R44) Request for Applications.

GlycoSurf, LLC
Bioinspired Green Glycolipids as Fugitive Dust Mitigation Agents

PROGRAM DIRECTOR:
Chett Boxley
boxley@glycosurf.com
SBIR Phase II
GRANT NUMBER: R44ES034319

GSI Environmental Inc.
Advanced PFAS Removal From Impacted Water Streams Using Colloidal Gas Aphrons

PROGRAM DIRECTOR:
Charles Newell
cjnewell@gsi-net.com
SBIR PHASE I
GRANT NUMBER: R43ES037581

MAX-IR Labs LLC
PFAS Sensor for Remediation and Industrial Wastewater Treatment Optimization Applications

PROGRAM DIRECTOR:
Ecatherina Roodenko
katynko@gmail.com
SBIR PHASE II
GRANT NUMBER: R44ES033581

Small/Exploratory Grants:

Exploratory/Developmental Projects (R21) support high-risk, high-reward biomedical pilot projects, including disaster response. Small Research Projects (R03) support self-contained smaller-scope, biomedical research.

Silent Spring Institute

Assessing Effects of PFAS Exposure From Drinking Water on Hypertension and Blood Pressure Among Adults and Children Using Measured and Historically Reconstructed PFAS Blood Levels

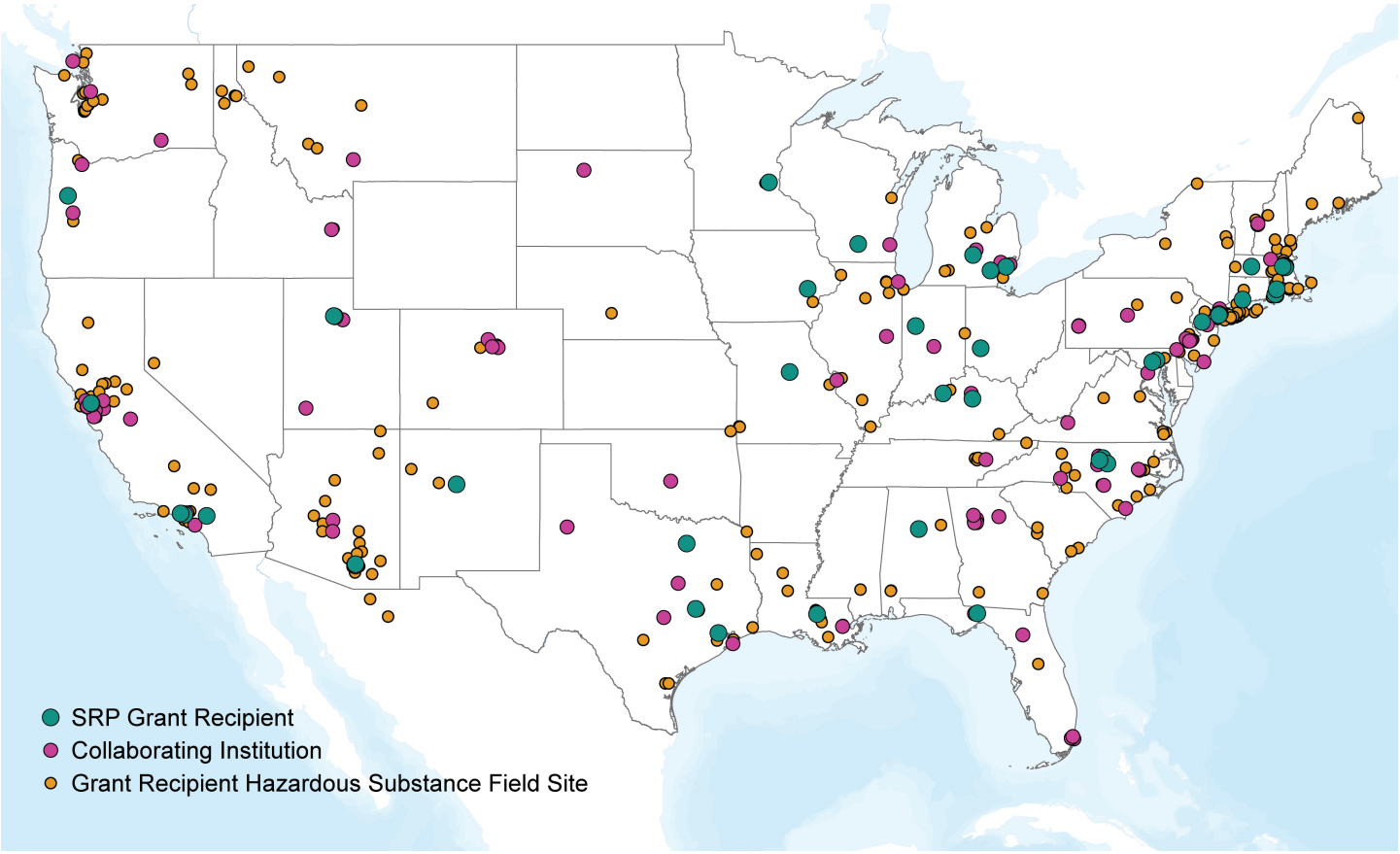
PRINCIPAL INVESTIGATOR: Laurel Schaider
schaider@silentspring.org
GRANT NUMBER: R03ES038312

University of Kentucky

Extent of PFAS Contamination Resulting From a Fire at a Hazardous Waste Incinerator in East Liverpool, Ohio

PRINCIPAL INVESTIGATOR: Erin Haynes
erin.haynes@uky.edu
GRANT NUMBER: R21ES035322

SRP-Funded Institutions and Hazardous Substance Field Sites



To learn more about the Superfund Research Program, please visit the SRP website: **https:/www.niehs.nih.gov/ research/ supported/centers/srp**

To see the locations of SRP grant recipients, as well as the Hazardous Substance Field Sites where they conduct research or outreach, visit the SRP website: **https://tools.niehs.nih.gov/srp/sites/www.cfm**

If you have questions about the Superfund Research Program and/or funding opportunities, or would like to receive updates on SRP news and events, please contact **srp-info@niehs.nih.gov**.