

HEADLINES

SRP Fact Sheets Available

Fact sheets are now available for P42 Centers and the R01 Program!

The Center fact sheets describe the research at each Center and highlight success stories. A [PDF with each fact sheet](#) in one file is available on the SRP website. Each Center's fact sheet is also on their individual project page, which you access from the [Currently Funded page](#). On the Center project page, click on the pink fact sheet icon under "Learn More About the Grantee."

The [Individual Research Project \(R01\) program fact sheet](#) provides an overview of all eight "biogeochemical interactions" R01 grantees. This fact sheet is available at the bottom of the [R01 Currently Funded page](#).

SRP Progress in Research Webinars a Success

Thank you to everyone who attended the SRP Progress in Research webinar, "TCE, PCBs, and Phthalates - Exposure, Mechanisms of Disease, and Clean-Up Remedies," on August 24. More than 400 people joined and heard excellent presentations from the University of Kentucky and Northeastern University SRP Centers! If you weren't able to attend, the archive is available on the [CLU-IN page](#). The archive is up from the Progress in Research webinar on July 9, [Reducing Exposure to Mercury, Arsenic, and Asbestos](#), and we encourage you to check that one out too.

2015 SRP Annual Meeting

Visit the 2015 [SRP Annual Meeting website](#) for general information about the November 18-20 meeting, to be held in San Juan, Puerto Rico, and to reserve a hotel room. Registration will open soon. The theme for this year's meeting is "SRP Collaboration for Innovation." This year's host, the Northeastern University SRP Center, will continue to update the website as information becomes available.

SRP at the EMGS Annual Meeting

Headed to the [Environmental Mutagenesis and Genomics Society \(EMGS\) Annual Meeting](#) in New Orleans September 26-30? SRP Administrator Michelle Heacock will be there, so if you will be attending and/or presenting, please let her know (heacockm@niehs.nih.gov)!

IN THE NEWS

NIEHS SRP News Stories

Take a moment to read about some of our colleagues' latest activities in this month's NIEHS newsletter:

EMPLOYMENT OPPORTUNITIES

University of Massachusetts, Amherst - Associate/Full Professor and Chair of Environmental Health Sciences

The successful applicant will join a growing graduate program and faculty in the Environmental Health Sciences Department. Current areas of faculty research in the department include human exposure assessments, dose-response modeling, environmental epigenetics, mechanistic toxicology, developmental origins of health and disease, endocrine disrupting chemicals, health effects and remediation of chemical contamination in soil and sediments, and the health effects of air pollution and bioaerosol exposures. For more information, see the [University of Massachusetts Amherst jobs page](#).

Graduate Scholar – Bayer CropScience

The primary responsibility of the Graduate Scholar role is to utilize publicly available high-throughput screening data, i.e. Tox21, ToxCastTM, and ExpoCastTM, generated on Bayer compounds to identify potential endpoints/pathways of interest for possible development of assays which could be integrated into a toxicity screening program. The duration of this position, located in the Research Triangle Park, will be for two years, with the possibility of extension. For additional details on the position, preferred qualifications, and to apply, see the [Bayer Jobs website](#).

Postdoctoral Research Associate – Northeastern University and Silent Spring Institute

This two-year Postdoctoral Research Associate will be part of the new NIEHS Training Program, "Transdisciplinary Training at the Intersection of Environmental Health Science and Social Science" (EH+SS), co-directed by Northeastern University's Social Science Environmental Health Research Institute and Silent Spring Institute. This Training Program will prepare scholars to be future leaders in social science-environmental health science collaborations. A combination of learning at Northeastern and Silent Spring Institute will be complemented by externships at community-based organizations. The Postdoctoral Research Associate will spend 2/3 of their time at Silent Spring Institute and 1/3 at Northeastern. For more information and to apply, see the [Northeastern jobs page](#).

- [Global collaboration to combat e-waste](#)
- [Phil Brown receives environmental sociology award for outstanding work](#)
- [Two SRP grantees selected as prestigious AAAS Fellows](#)
- [Newly discovered cells repair liver without cancer risk](#)

Visit the SRP news page for more stories about the Program:

- [Crossing Geographic and Discipline Borders at the PBC Meeting](#)
- [Enhancing Community Involvement through University-Federal Agency Collaboration](#)
- [UA SRP Responds Quickly to Inform Communities near Colorado Mine Spill](#)
- [SRP Staff and Stakeholders Identify Research Needs for Lead in Soils](#)

Want to Know More about the Colorado Mine Spill?

The University of Arizona (UA) SRP responded quickly to the mine waste spill in Colorado by publishing a [bulletin](#) - Understanding the Gold King Mine Spill - to inform affected communities about the extent of the accident, the effects of the spill, and what is being done to control it. Read more about the UA SRP Center's involvement to inform communities about the mine spill on the [SRP news page](#). The UA SRP Community Engagement Core is also putting together [Mining and Environmental Educational Modules for Tribal Colleges](#) focusing on mining and its environmental and social impacts on tribal lands.

New Book from Kentucky SRP Center Researcher Hollie Swanson

Congratulations to University of Kentucky SRP Center researcher Hollie Swanson on the recent publication of her new book entitled [Flavonoids, Inflammation and Cancer](#). This book provides an insightful analysis of the chemopreventive actions of flavonoids, which are naturally occurring constituents of plants that have been traditionally used as anti-inflammatory and anti-cancer medicines. Flavonoids are thought to prevent inflammation and the development of GI and steroid-responsive cancers.

Northeastern Doctoral Student Highlights BU SRP and Northeastern Institute

As part of the Union of Concerned Scientists' blog series on Community Connections: Bringing Together Scientists and Local Voices, Northeastern University doctoral student Lauren Richter wrote [Why Community-Based Research Matters to Science and People](#). Richter explores how community-based participatory research improves the rigor, relevance, and reach of science. In the post, she highlights Northeastern SRP grantee Phil Brown and the [Social Science Environmental Health Research Institute](#) he leads at Northeastern. She also suggests the Boston University SRP's [Health Studies Guide](#) as a resource for community groups seeking help navigating research questions and data.

TRAINEE SPOTLIGHT

Fenna Sillé, University of California, Berkeley

Fenna Sillé is a postdoctoral researcher under the guidance of UC Berkeley Center Director Martyn Smith, in the Division of Environmental Health Sciences in the School of Public Health at UC Berkeley. Her work focuses on early-life

Assistant Professor Positions – West Virginia University

The West Virginia University Department of Geology & Geography invites applications for tenure-track assistant professor positions in [physical hydrogeology](#), [mineralogy/earth minerals](#), and [human dimensions of water \(in the geography program\)](#). The positions are in the department of Geology and Geography. Review of applications will begin Sept. 15, 2015 and continue until the positions are filled. See the [WVU open positions page](#) for more information.

Postdoctoral Associate - Duke Cancer Institute, Duke University Medical Center

A full time postdoctoral position is available in the Genitourinary (GU) Oncology Research Laboratory to study molecular mechanisms underlying tumor aggressiveness. The Laboratory focuses on preclinical studies, correlative science with archived clinical trial specimens and prospective specimen collections and analyses to further understand the biology underlying GU malignancies and to discover better treatment options for patients. The group seeks a highly motivated scientist with a Ph.D. in a biology-related discipline. Experience with molecular biology and genomic profiling assays are desirable. Critical thinking and scientific writing skills are essential. To apply, please email a cover letter, including a brief statement of research interests, CV and the contact information for three references to Jennifer Freedman at jennifer.freedman@duke.edu.

Silent Spring Institute Opportunities

Silent Spring Institute is hiring at all levels – including experienced PhD, postdoctoral fellow, masters level, or research assistant—for projects that involve environmental health and community-engaged research. Researchers will work in teams that integrate social science and communications with environmental science and health research.

Use your data science expertise to improve environmental health! [Silent Spring Institute](#) is also hiring at all levels for projects that involve data management, analysis, and visualization for novel studies of chemical exposures and toxicity. The positions require great versatility and transdisciplinary thinking. Researchers work in teams and are also involved in public communications and proposal development.

Visit the [Silent Spring Institute opportunities page](#) for more information on the job openings.

Professor of Environmental Health – University of North Carolina

The University of North Carolina at Chapel Hill Department of Environmental Sciences and Engineering is seeking applicants to fill a tenure-track position in environmental health at the rank of Assistant, Associate, or Full Professor. The Department seeks to advance its well-

environmental exposures that influence global infectious diseases.

She is combining her expertise in immunology, functional genomics, and infectious diseases with her passion for environmental health to better understand early-life exposures on immune development. She is currently exploring the potential of epigenetic changes and miRNA in immune cells as biomarkers of arsenic-induced diseases, characterizing the “immunome” as part of an international exposome project on metabolic disorders and cardiovascular disease, and leading the design and implementation of a pilot human population study on early-life arsenic exposure in Chile.



As a result of her outstanding work, Sillé was recently awarded an NIH Pathway to Independence K99/R00 award for research on the effects of early-life exposures on infectious disease outcomes, using *Mycobacterium tuberculosis* and arsenic as the models. She is focusing on the effects of early-life exposure on the immune development in the context of cancer and infectious disease. The immune cell samples, collected during the pilot study in Chile, will form the basis of this research.

In addition to the prestigious K99/R00 award, Sillé has racked up a number of other awards, including the SOT HESI Young Investigator Endowment Award (2015) and NorCal SOT Postdoctoral Achievement Award (2015).

Besides her own research, Sillé enjoys mentoring and supervising the students in the lab with hopes to foster their passion for lifelong learning and science. In addition, she enjoys teaching immunology and immunotoxicology as an invited lecturer in several UC Berkeley courses. In close collaboration with other Berkeley postdocs, Sillé was also a co-founder of the Berkeley Postdoc Entrepreneur Program to educate and provide the tools of entrepreneurship to postdocs and visiting scholars at UC Berkeley. She is also an organizer for the UC Berkeley SRP trainee program and a UC Berkeley representative on the SRP Student/Postdoc/Alumni Network Leadership Committee.

When she is not in the lab, Sillé loves traveling, sailing, surfing, hiking, and even sewing her own clothes!

HOT PUBLICATION

Approaches to Limiting Human Exposure to Arsenic

Following the Human and Environmental Sustainability Summit on Environmental and Human Health Consequences of Arsenic in August 2014, participants from both public and private sectors, including Dartmouth and Columbia SRP grantees, collaborated to co-author a recent publication. The paper, [*MDI Biological Laboratory Arsenic Summit: Approaches to Limiting Human Exposure to Arsenic*](#), summarizes the summit findings and proposes a plan for reducing arsenic exposure globally through innovative policies and effective actions. According to the authors, one billion people are exposed to arsenic in food, and more than 200 million people ingest arsenic via drinking water at

established research and educational programs in environmental health sciences. The successful candidate will demonstrate strong potential for interdisciplinary collaboration within the Department, the School of Public Health, the curriculum in toxicology, and the scientific community at large. For more information, visit the [UNC jobs page](#).

Postdoctoral Research Fellow – Brown University

A postdoctoral research fellow position is available to study the **basic mechanisms of disease related to environmental exposure to metals** in the laboratory of Tom Bartnikas, M.D., Ph.D., in the Brown University department of pathology and laboratory medicine. Emphasis will be placed on career development, communication skills, grantsmanship, interdisciplinary research, and implications of basic research for diagnosis and prevention of human disease. The candidate is expected to have a Ph.D. in toxicology, molecular or cell biology, biochemistry or a related field. For more information and to apply, see the [job description](#).

CURRENT RESEARCH BRIEF

Research Brief 249: [Newly Discovered Cells Regenerate Liver Tissue Without Forming Tumors](#) (Michael Karin, University of California, San Diego SRP) is available online.

Past [Research Briefs](#) are available on the SRP website.

To receive the monthly Research Briefs in your e-mail, please send your e-mail address to HeacockM@niehs.nih.gov.

If you have ideas for future Research Briefs, please submit them to: HeacockM@niehs.nih.gov.

SRP-SUPPORTED EVENTS

UC Entrepreneurship Academy
Co-Sponsored by the University of California, Davis SRP
September 15 - 17, 2015
Davis, California
[Website](#)

12th International Phytotechnologies Conference: Phytotechnologies for Sustainable Development
September 27 - 30, 2015
Manhattan, Kansas
[Website](#)

International Symposium on Persistent Toxic Substances

concentrations greater than international standards. Although the EPA has set a limit of 10 µg/L in public water supplies and the WHO has recommended an upper limit of 10 µg/L, recent studies indicate that these limits are not protective enough. In addition, there are currently few standards for arsenic in food. The lead author and the Summit convener, Bruce Stanton is the Director of the Dartmouth SRP Center.

AWARD WINNERS

Oregon State SRP Center Receives University Awards

The Oregon State University SRP Center was awarded the [*James and Mildred Oldfield/E.R. Jackman Team Award*](#) that recognizes superior and distinguished interdisciplinary team achievements through teaching, research, international, or extended education activities of faculty and staff. Presentation of this award will serve to highlight the importance of interdisciplinary team efforts in achieving the goals of the College of Agricultural Sciences, Oregon State University and of Oregon agriculture, and to show in a tangible way that the College stands strongly behind such efforts. In addition, Oregon State SRP Center project leader David Williams received the [*Arnold Leadership award*](#), which recognizes an administrator for outstanding contributions to the research mission of the College of Agricultural Science at Oregon State University. The award will be presented at University Days in September.

Northeastern SRP Center Wins Award at EPA Community Conference

At the EPA Community Involvement Training Conference August 4-6, the Northeastern University SRP Center won the People's Choice Award. The Award was the result of successful interactions between conference participants and Northeastern SRP researchers Liza Anzalota and Carmen Velez and trainee Colleen Murphy, who presented community engagement activities and communicated with the audience about the influence of contaminants on preterm birth and adverse pregnancy outcomes. See the [*Northeastern SRP page*](#) to read more.

FUNDING OPPORTUNITIES

2015 HHS Small Business SBIR/STTR Omnibus Grant Solicitations

The HHS has issued the NIH Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) [*Grant Solicitation Notice*](#). Standard application due dates are September 5, January 5, and April 5. SRP SBIR/STTR grants are awarded to foster the commercialization of technologies, products, and devices developed by the SRP and others. If interested in applying, please contact Heather Henry at henryh@niehs.nih.gov or (919) 541-5330.

Please see the [*SRP SBIR/STTR page*](#) and the [*NIEHS SBIR/STTR webpage*](#) for application information as well as other SBIR/STTR opportunities within NIEHS.

FUNDING OPPORTUNITIES

Call for Comments: Federal Interagency Strategic Plan for Environmental Justice

The EPA, as convener of the Federal Interagency Working Group on Environmental Justice (EJ IWG), is asking for public comment on the draft FY 2016-2018 Action Agenda Framework. The Framework is the EJ IWG's three year strategic plan to advance environmental justice. Visit the [*EPA Web page*](#) to review the Framework and

Co-Hosted by the University of California, Riverside
November 16 - 20, 2015
Riverside, California

[Website](#)

2015 Annual Meeting of the Superfund Research Program

November 18-20, 2015
San Juan, Puerto Rico

[Website](#)

The International Chemical Congress of Pacific Basin Societies

December 15-20, 2015
Honolulu, Hawaii

[Website](#)

UPDATES FROM OTHER SRP CENTERS

The e-Posted isn't the only way you can find out about news and events from the SRP Centers. The [*SRP Grantee Newsletters and Pages website*](#) has links to SRP Center electronic newsletters and Facebook pages. Check it out to see the latest SRP news!

To see the latest SRP grantee publications, visit the [*SRP publications page*](#).

Visit the [*SRP Materials for Grantees page*](#) for information intended to assist grantees, such as SRP administrative supplements information, SRP best practices, NIEHS logo use, and the Data Collection Form.

The [*SRP Events page*](#) contains up-to-date SRP grantee and staff events.

The SRP website also has [*Search Tools*](#) to help you learn more about projects funded by the Program.

JOIN THE @SRP_NIEHS KNOWLEDGE NETWORK ON TWITTER

NIEHS uses Twitter, a popular social media tool, for information sharing. A "microblogging" service, Twitter allows users to distribute substantive content through messages called Tweets. Many SRP Centers also have accounts, and it would be great if all participated! Follow us [*@SRP_NIEHS*](#) to instantly hear news about the Program, noteworthy publications, events, and job opportunities for trainees.

CONTACT INFORMATION

Information on NIEHS SRP Program Contacts can be found here: [*NIEHS SRP Program Staff and Contacts*](#).

submit comments. Comments are due by **September 25, 2015**.

EPA Launches School Indoor Air Quality Mobile App

In August, the EPA launched a new mobile app to assist schools and school districts with performing comprehensive indoor air quality (IAQ) facility assessments to protect the health of children and staff. The new [*School IAQ Assessment mobile app*](#) is a one-stop shop for accessing guidance from EPA's IAQ Tools for Schools Action Kit. The mobile app provides schools and school districts with an efficient, innovative technology integrated with proven strategies for addressing critical building-related environmental health issues, such as ventilation, cleaning and maintenance, environmental asthma triggers, radon, and integrated pest management. Schools that want to develop, sustain, or reinvigorate their IAQ management programs can use this tool to identify and prioritize IAQ improvements. Visit the [*EPA Web page*](#) to download and start using the new mobile app.