

HEADLINES

Notice of Change in Application Review Cycle Frequency Published

The NIEHS published a Notice on June 30 to update the extramural community of the intent of the NIEHS to lengthen the SRP P42 Center grant review cycle frequency, soliciting applications every 2.5 years. Awards will be made for up to 5 years in duration. For more information, see [NOT-ES-15-018](#).

K.C. Donnelly Awards Announced

Congratulations to the seven exceptional SRP trainees who received a 2015 K.C. Donnelly Externship Award Supplement to enrich their research in environmental health science. The award provides the SRP trainees with funding for an externship (up to three months) at other SRP centers, government laboratories, and state, local, or tribal agencies to support transdisciplinary research and collaboration.

The 2015 winners are: Kate Buckman (Dartmouth College), Marvic Carmona De Jesus (University of Puerto Rico/Northeastern SRP Center), Lisandra Santiago Delgado (Oregon State University), Erika Fritsch (University of California, Davis), Zhilin Guo (University of Arizona), Miao Li (University of Iowa), and Lauren Redfern (Duke University).

For more on the winners and information about their externships, visit the [SRP K.C. Donnelly 2015 Winners page](#).

2015 SRP Annual Meeting: Abstract Submission Open

Visit the 2015 [SRP Annual Meeting website](#) for general information about the meeting and abstract submission. This year's host, the Northeastern University SRP Center, is planning a wonderful meeting to be held November 17-20, in San Juan, Puerto Rico.

Abstracts are due July 17 for oral and poster presentations.

Phil Bourne, the associate director for data science at the National Institutes of Health, will be the keynote speaker. More information about speakers and sessions will be posted on the website as it becomes available.

Registration will open later this summer.

SRP Progress in Research: Reducing Exposure to Mercury, Arsenic, and Asbestos

Join us on **July 9, 1-3 pm ET** for an SRP webinar highlighting exciting research from the Dartmouth College SRP and University of Pennsylvania SRP Centers. Dartmouth scientists are working to reduce exposures to arsenic and mercury and to better understand how exposure to these contaminants leads to disease. Penn scientists are

EMPLOYMENT OPPORTUNITIES

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](#).

Brown SRP Postdoctoral Fellowship Environmental Health State Agencies Liaison

The Brown SRP Center seeks applicants for an Environmental Health State Agencies Liaison (SAL) postdoctoral fellow who will advocate for the public's health through facilitating the flow of knowledge and information about environmental health research, practice and policy among participating academics, government leaders, and community members in a true university-state-community partnership. The position is designed to ensure that Rhode Island communities and government agencies are informed by and engaged with basic research on environmental pollution and health impacts. For more information, see the [Science Jobs page](#).

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

conducting research on asbestos waste and its effects on human health. For more information and to register, visit the [CLU-IN website](#).

The [next session](#) in the SRP Progress in Research webinar series will be held **August 24, 1-3 pm ET**, and will feature the University of Kentucky and Northeastern University SRP Centers. Kentucky researchers explore how nutrition and exercise might offer protection from polychlorinated biphenyl (PCB) toxicity, and they are developing new sustainable remediation approaches using nanotechnology. Northeastern researchers are studying chlorinated solvents and phthalates, contaminants that could be linked to high preterm birthrates in Puerto Rico.

The SRP Progress in Research webinars are for audiences interested in innovative treatment and hazardous waste site characterization technologies. By hosting webinars about the early stages of research, we hope to stimulate dialogue between researchers and current and/or newly identified stakeholders.

Integrating Data from Multidisciplinary Research, Session I: Introducing the Big Picture

Thanks to our speakers and to all who joined us for the first session of the SRP Risk eLearning webinar series on challenges and opportunities for integrating datasets related to complex environmental health problems. Allen Dearry, Steve DiMarco, David Kaeli, and Bill Suk introduced concepts related to integrating large data sets and provided examples of current initiatives. The webinar archive and the slides are now available on the [CLU-IN website](#).

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:

- [Seven promising Superfund trainees receive K.C. Donnelly award](#)
- [Exposure to low levels of chemical mixtures linked with cancer](#)

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

- [SRP Small Business Shines at Biotech Innovation Convention](#)
- [SRP Grantees Present Sustainable Solutions for PCB-Contaminated Sediments](#)
- [Reflections on the Superfund Research Program](#)
- [SRP Researchers Contribute To VA Clinical Guidance for Camp Lejeune Veterans](#)
- [Northeastern SRP Center Holds Successful Social Science-Environmental Health Conference](#)

LSU Research Featured in Science Podcast

Check out a recent podcast on Louisiana State University SRP research. Kurt Varner discusses the role of environmentally persistent free radicals (EPFRs) in increasing cardiac vulnerability to subsequent myocardial infarction ischemia/reperfusion injury. For more information and to listen to the podcast, see the [American Journal of Physiology Heart and Circulatory podcasts page](#).

Maier in Sustainable Mining Feature

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.

Postdoctoral Position - University of California, Davis

A post-doctoral scholar position is available immediately in the laboratory of Michele A. La Merrill at the [University of California, Davis](#). This position will support the La Merrill lab investigation in gene x environment interaction in the etiology of insulin resistance utilizing 1) experimental genomics, 2) molecular biology, and 3) molecular epidemiology. The scholar will work on UC Davis genomics and/or molecular biology aims to identify mechanisms underlying insulin resistance. Application review began on April 30 and will remain open until the position is filled. See the [job description and candidate qualifications](#) for more information.

Postdoctoral Position - University of California, San Francisco

The UCSF Program on Reproductive Health and the Environment is seeking a Postdoctoral Scientist in environmental epidemiology and

An *online article* "Unearthing More Sustainable Mining" features Raina Maier's work at the University of Arizona SRP Center and Center for Environmentally Sustainable Mining to improve environmental stewardship.

Martyn Smith Participates in IARC Working Group Meeting

Martyn Smith, director of the University of California, Berkeley, SRP Center, participated in the International Agency for Research on Cancer (IARC) working group meeting in Lyon, France June 2-9, 2015. The Working Group of 26 experts from 13 countries concluded that Lindane was a Group 1 human carcinogen (the first pesticide to be classified as such); that DDT was a probable human carcinogen (which has widespread implications for malaria control); and, that 2,4-dichlorophenoxyacetic acid (2,4-D), one of the most widely used herbicides in the world especially on golf courses and lawns, was a possible human carcinogen. See the [UC Berkeley press release](#) for more information.

Dartmouth SRP Community Engagement Work Featured in New Hampshire News

The New Hampshire Union Leader newspaper covered the Dartmouth SRP Center well testing event to educate private well owners about the potential for arsenic in their water. The story describes Dartmouth SRP's efforts through a grant with their partner, the New Hampshire Department of Environmental Services, to conduct interventions to evaluate best practices to inform and educate private well owners in New Hampshire about the need to test and treat their wells for arsenic and other contaminants. Check out the [news story](#) for more details.

LSU Co-Hosts Successful Combustion By-Products Conference

The Louisiana State University SRP Center co-hosted the 14th International Congress on Combustion By-Products and their Health Effects in Umea, Sweden in June. The conference brought together experts from around the world to discuss topics on the origins, fate, and health effects of combustion-related air pollutants in the coming era of bio-based energy sources. Combustion is defined in a wide sense to include all forms of thermal treatment of fuel materials and hazardous substances. Danielle Carlin from NIEHS also attended the meeting and presented the Institute's scientific highlights and priorities related to combustion research.

Oregon State SRP Research Featured in Newsletter

A feature article in the newsletter of the Linus Pauling Institute at Oregon State University described the fish toxicology work of Robert Tanguay, SRP Center director. Erin Madeen, a trainee working under the guidance of David Williams, was also highlighted. Check out the [Linus Pauling Institute Research Newsletter](#) to read these informative articles.

Computational Systems Biology and Dose Response Modeling Short Course a Success

The Michigan State University SRP Research Translation Core held an intensive three-day short course May 11-13, 2015 on Computational Systems Biology and Dose Response Modeling. It covered current computational modeling techniques for quantitative investigation of how biological systems respond to perturbations at the cellular level. The course consisted of lectures and hands-on computer modeling to develop computational models for understanding and predicting nonlinear dose response behaviors of drugs and environmental toxicants.

biostatistics. This training opportunity is designed to give the postdoctoral scientist experience in all aspects of the research process from design, implementation, to publication. The successful candidate must have a Ph.D. in epidemiology, biostatistics, environmental health, risk assessment, or other environmental health related field. Candidate must have statistical experience and experience with R, Stata or SAS. For more information see the [job announcement](#).

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-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 247: [PCE in Drinking Water Linked to Cancer and Epilepsy](#) (Ann Aschengrau, Boston University SRP Center) 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

Biomedical and Engineering Entrepreneurship Academy
Co-Sponsored by the University of California,

TRAINEE SPOTLIGHT

Chrysy Chantarasopak - Harvard University

Chrysy Chantarasopak recently graduated with her masters of science in environmental health, with a concentration in occupational hygiene from the Harvard T.H. Chan School of Public Health. Chantarasopak completed her degree under the guidance of Robert Herrick, Ph.D., on his SRP R25 grant, [*Safety and Health Management of Hazards Associated with Emerging Technologies*](#).

Chantarasopak's research assessed airborne contamination generated from 3-D printers by simultaneously evaluating fine particle (FP), ultrafine particle (UFP), and volatile organic compound (VOC) exposures. Chantarasopak conducted monitoring using four types of 3-D printers and found that all four printer configurations produced concentrations of FP and VOCs that were significantly above background levels. One printer technology (Fused Deposition Modeling) also produced significantly elevated UFP concentrations. Overall, the results indicate that 3-D printers should be used in conjunction with dedicated local exhaust ventilation, or at least in rooms with good general ventilation.

Chantarasopak presented her research at the 2015 American Industrial Hygiene Association conference poster session and received awards for best student poster by the Indoor Air Committee, the Exposure Assessment Strategies Committee, and an overall conference award for second place.

Before beginning the program at Harvard, Chantarasopak graduated from the United States Coast Guard Academy in 2009 and began her active duty career studying aviation. In 2011, she transitioned into the Coast Guard's Emergency Management and Pollution Response career track.

Now that she has completed her degree at Harvard, she will transfer to Long Beach, California next month to serve as the Safety and Environmental Health Officer for all southern California Coast Guard units. When she isn't at work, she enjoys spending time with her husband and 80-pound English Labrador dog, and going on mini vacations to see Dave Matthews Band shows. Congratulations on your continued success as you transition into your new position in the U.S. Coast Guard, and we wish you the best of luck!



HOT PUBLICATION

Reflections on the Superfund Research Program

A recent [*paper*](#), authored by former and current NIEHS Superfund Research Program (SRP)-funded scientists, describes the success of the SRP in its first 25 years in addressing complex health and environmental problems associated with hazardous waste sites. The authors discuss scientific achievements that include discovery of biological mechanisms through which environmental chemicals may contribute to health problems such as obesity, atherosclerosis, diabetes, and cancer. It has also fostered development of novel biological and engineering techniques for efficient and

Davis SRP
July 7-9, 2015
Davis, California
[Website](#)

**SRP Progress in Research Webinar
Dartmouth College and University of
Pennsylvania**
July 9, 2015, 1:00-3:00 pm ET
[Website](#)

**FLUOROS 2015: An International Symposium
on Fluorinated Organics in the Environment**
July 12-14, 2015
Golden, Colorado
[Website](#)

**Statistical Approaches to Epidemiological
Studies of Combined Exposures/Mixtures**
July 13-14, 2015
Research Triangle Park, North Carolina
[Website](#)

**2015 Community Involvement Training
Conference**
August 4-6, 2015
Atlanta, Georgia
[Website](#)

**16th International Conference of the Pacific
Basin Consortium for Environment and
Health**
August 10-13, 2015
Depok, Indonesia
[Website](#)

**SRP Progress in Research Webinar
Northeastern University and University of
Kentucky**
August 24, 1:00-3:00 pm ET
[Website](#)

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**
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

low-cost remediation of hazardous waste sites. See the [SRP news page](#) to learn more. Posted on the [NIEHS YouTube channel](#), a series of videos also reflect on the innovative program as part of the 25th Anniversary of the SRP.

AWARD WINNERS

Simonich Receives Excellence in Graduate Mentoring Award

Staci Simonich won the Excellence in Graduate Mentoring Award for 2015 at Oregon State University. This award was established to recognize and encourage outstanding mentoring of graduate students by Oregon State Graduate faculty members. Recipients are noted for having direct and significant impact and involvement with graduate students, outstanding commitment and effectiveness as a mentor of graduate students, innovation in mentoring, and demonstrated unusual effort to provide consistent mentoring during the course of their careers at the university. Check out [Facebook](#) for a photo of Simonich with her graduate students and a link for more information about the award.

WEBINARS

Upcoming Virtual Forum on Near-Roadway Pollution

NIEHS will host a virtual forum on near-roadway pollution and health **Friday, July 10, 2015, 2:00 to 3:00 p.m. EDT**. It will feature a panel of air pollution experts including Boston University SRP project leader Veronica Vieira. For more information and to register, visit the [NIEHS website](#).

CALL FOR ABSTRACTS

Geological Society of America Annual Meeting

The *2015 Geological Society of America (GSA) Annual Meeting* will be held in Baltimore, Maryland November 1-4, 2015. As part of the meeting, SRP individual project grantees Michelle Lorah and Upal Ghosh, along with Isabelle Cozzarelli, have a session focused on processes controlling fate of organic and metal contaminants in shallow groundwater and sediment, including in wetlands, estuaries, and lakes, and their application to remediation.

Abstracts for oral and poster presentations are due by **August 11, 2015**. If you are interested in submitting to the session on fate and remediation of organic and metal contaminants in wetlands and sediments, your abstract can be submitted by specifying session T105. For more information and to submit an abstract, visit the [GSA Annual Meeting website](#).

Pacific Basic 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](#).