

HEADLINES

KC Donnelly Administrative Supplements due January 31

The SRP KC Donnelly Administrative Supplement applications are due **January 31, 2015**. The deadline has moved up from previous submission dates in order to have funds available for the externships earlier in the year.

Please see the KC Donnelly [webpage](#) and [guidelines](#) for more information. The administrative supplements are made available by the SRP to promote transdisciplinary and translational research among early SRP investigators (e.g., graduate students/post-doctoral researchers) which includes the recruitment of talented researchers and improving the quality of the educational and training environment. The purpose of these supplements is to provide current SRP-funded graduate students/post-doctoral researchers with translational/transdisciplinary opportunities and experiences that improves their skill set and broadens their scientific network within other SRP-funded centers, government laboratories (EPA, ATSDR, NIEHS), or other agencies (state, local, tribal).

SRP Research in Progress Webinar- Biogeochemical Interactions Grantees

Please join us for the upcoming SRP Research Pipeline webinars featuring currently funded SRP [Individual Research Grants \(R01\)](#) addressing biogeochemical interactions affecting bioavailability for *in situ* remediation of hazardous substances. The SRP Research in Progress webinars feature work being initiated by recently-awarded grantees. The purpose of these webinars is to facilitate a dialogue between the researchers, field practitioners, and stakeholders early in the stages of research progress so that these new projects are on a trajectory for successful technology transfer and application by end users.

The webinars will take place on **February 2** and **February 9, 1:00-3:00 pm ET**. To learn more about the webinars and presenters, visit the [SRP Research in Progress Webinar page](#).

Annual P42 Center Updates

The Annual P42 Center Update provides SRP with information that is used to update the SRP databases, NIH databases, the SRP website, and to assist in developing the SRP Annual Meeting and other Programmatic materials (such as Research Briefs, webinars, news stories, etc.). Requests for Annual Center Updates are sent to Center Directors and Administrators. **We would like to have your materials by February 1, 2014. This coincides with the Federal-wide Research Performance Progress Report (RPPR) February 1 deadline.**

We appreciate your time and effort in compiling this information in support of the Superfund Research Program. If you have any questions concerning this request, please feel free to contact [SRP staff](#).

IN THE NEWS

SRP in the Environmental Factor

This month, the NIEHS E-Factor featured two stories about the SRP and its grantees! Take a moment to read about some of our colleagues' latest activities.

- [Triclosan promotes liver tumor growth in mice, say SRP researchers](#)
- [Papers of note - Scientists develop new technology to track polycyclic aromatic hydrocarbons in humans](#)

A study linking [phthalate exposure to preterm birth](#), led by John Meeker (University of Michigan) who is part of the Northeastern PROTECT SRP Center, was chosen as a [2014 paper of the year](#) by the Environmental Factor. Read more about the study in a previous [Environmental Factor article](#).

EMPLOYMENT OPPORTUNITIES

Northeastern University - Associate/Full Professor

The Northeastern University Department of Health Sciences seeks an associate/full professor and with a strong background in community-based participatory research, environmental justice, and social science-environmental health collaborations. The faculty member will be part of the Social Science Environmental Health Research Institute (SSEHRI), which specializes in collaborative research at the intersection of social science and environmental health science. Applicants must have a doctoral degree in environmental health, environmental science, exposure science, or a related field. Evaluation of candidates began December 1, 2014 and applications will be accepted until the position is filled. See the [job posting](#) for full details.

Children's Environmental Health Network - Engagement Manager Position

The Children's Environmental Health Network (CEHN) is seeking an Eco-Healthy Child Care Engagement Manager to foster the growth, development, and reach of the CEHN Eco-Healthy Child Care Program. This individual must have a strong understanding of children's environmental health, and also the world of child care within the United States including: Child Care Resource and Referral agencies, child care licensing, accreditation, state Quality Improvement Rating Systems, and more. He/she will publicly represent CEHN while participating in meetings with federal and national association partners, presenting at national conferences, and conducting state-wide trainings. For the full position description and for application information, visit the [CEHN job opportunity](#).

Oregon State University - Assistant Professor of Environmental and Occupational Health

The Oregon State University School of Biological and Population Health Sciences invites applications for a full-time, nine-month tenure-track Assistant Professor of Environmental and Occupational Health position. Responsibilities of the position include establishing an independent research program through external funding, advancing the University's research agenda in the area of Environmental and Occupational Health/Safety, teaching undergraduate and graduate courses, advising graduate students, and providing service to the practice community and the field of public health. In order to receive full consideration for this position, your application must be received by **January**

Visit the [SRP News Page](#) for more stories about the Program.

Columbia SRP Scientists and Partners Contribute to Special STOTEN Arsenic Issue

Columbia University SRP Community Engagement scientist Yan Zheng and USGS hydrologist Joseph Ayotte together have edited a special issue on arsenic for the journal Science of the Total Environment (STOTEN). Their summary paper is the first in a collection of 13 papers that provides state-of-the-art information on arsenic hydrogeochemistry, effectiveness of household well treatment systems, and the testing and treatment decisions of private well owners in several northeastern states and in Nova Scotia, Canada. Six additional papers in the special issue are also co-authored by Columbia SRP scientists and their partners. Visit the [STOTEN special issue](#) to read the summary paper and the collection of 12 additional articles.

Leveraging Resources to Better Understand Chemical Exposures

A joint effort between the [Southeast Climate Science Center](#) (SECSC) and a UNC SRP project led by Damian Shea (NC State) has led to the creation of the [Southeast Global Change Monitoring Portal](#) (GCMP). The GCMP supports the efforts of multiple state and federal agencies and other organizations by providing a centralized, comprehensive catalog of observational networks associated with aquatic and terrestrial ecosystems in the southeastern United States. While the SECSC was mostly interested in climate-related stressors to ecosystems, Shea and his research group realized there was also a need to know more about chemical stressors in the region. To learn more, visit the [UNC SRP website](#).

SRP Trainee Delivers Well Water Study Results to Community

Yoshira Ornelas, a University of Arizona SRP graduate trainee, has spent two years studying well water contamination in a rural community in southern Arizona. On December 4, 2014, she presented her findings to 50 community members at the Tubac Community Center. Her study on private wells has shown elevated levels of arsenic, nitrates, and E. coli. Ornelas encouraged attendees to maintain regular testing of their wells, and offered suggestions for effective treatment for the different contaminants. Read more on the [UA SRP website](#).

Anna Hoover Highlighted by PEPH

Check out [the PEPH Grantee Highlights page](#) to learn more about Anna Hoover, the University of Kentucky (UK) SRP Research Translation Core co-leader. The highlight includes information about her research translation accomplishments and what's next for her work.

The State of Water: Linking Ocean Health to Human Health

Boston University (BU) SRP co-hosted another successful call with the Collaborative on Health and the Environment (CHE) on January 8. The ninth in a series of calls organized by CHE and BU SRP focused on ocean and human health and featured SRP grantee John Stegeman, a scientist at the Woods Hole Center for Oceans and Human Health and project leader at the BU SRP, and Erika Fritsch, a postdoctoral fellow working with UC Davis SRP project leader Isaac Pessah. If you missed the call, a recording as well as presentation slides and background resources are available on the [CHE website](#).

In Search of "Just Right": The Challenge of Regulating Arsenic in Rice

Columbia SRP researcher Habibul Ahsan was highlighted in an [Environmental Health Perspectives news feature](#) on the challenge of regulating arsenic in rice. The article mentions several SRP-funded studies that reveal association between arsenic and numerous health effects. In the article, Ahsan points out that the amount of arsenic ingested from food can be far more difficult to quantify than that consumed from household well water.

TRAINEE SPOTLIGHT

Kin Sing Stephen Lee, University of California Davis SRP Center

Sing Lee is a postdoctoral researcher and assistant project scientist at UC Davis under the guidance of SRP project leader and Center Director Bruce Hammock. We would like to congratulate Lee, who recently won a coveted [NIH Pathway to Independence K99 Award](#), which will enable him to shift rapidly into a stable independent research position. The prestigious award is a transition grant that ensures trainees the resources and mentoring needed to become successful independent researchers. After the

15, 2015. For more information, visit the [Oregon State Jobs page](#).

CURRENT RESEARCH BRIEF

Research Brief #241: [SRP Researchers Determine that Triclosan Promotes Liver Tumor Growth in Mice](#) (Robert Tukey, UC San Diego, and Bruce Hammock, UC Davis) 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

14th Annual Pediatric Research Day Co-Sponsored by the Michigan State University SRP

Date: March 18, 2015

Location: Detroit, Michigan

[Website](#)

14th International Congress on Combustion By-Products and their Health Effects

Co-Sponsored by the Louisiana State University SRP

Date: June 14-17, 2015

Location: Umeå, Sweden

[Website](#)

Statistical Approaches to Epidemiological Studies of Combined Exposures/Mixtures

July 13-14, 2015

Research Triangle Park, North Carolina

[Website](#)

16th International Conference of the Pacific Basin Consortium for Environment and Health

August 10-13, 2015

Depok, Indonesia

[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.

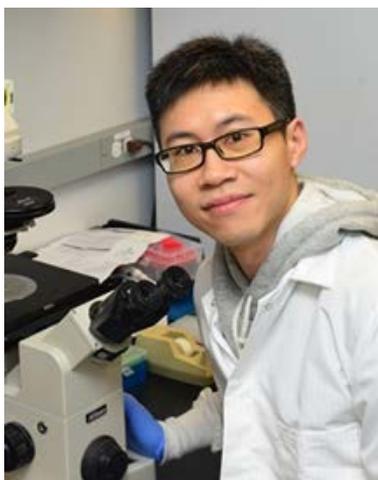
The SRP website also has [Search Tools](#) to help you learn more about projects funded by the Program.

training phase (K99), grantees who secure tenure-track positions can transition into R00 funding to kick-start their independent careers.

Lee joined the Hammock lab in March of 2010 as an SRP post-doctoral trainee. His research includes a focus on human soluble epoxide hydrolase (sEH) inhibitors for treatment of neuropathic pain. Lee has made important discoveries and published in a number of journals. For example, he has [optimized sEH inhibitors](#) that could be an attractive alternative to treat diabetic neuropathy in humans. He has also [developed an assay](#) to evaluate the potency of sEH inhibitors. From both studies, he shows that k_{off} , a dissociation rate constant of the enzyme-inhibitor complex, is an important *in vitro* parameter to predict inhibitor *in vivo* efficacy that has often been ignored. He also spends time in the lab mentoring two graduate students and six undergraduate students.

With his K99, Lee is focusing on epoxy-eicosatrienoic acids (EETs) which are important signaling molecules in the body and are anti-inflammatory, anti-hypertensive, analgesic, and angiogenic. He hopes to identify the first receptor for EETs and study how environmental toxicants affect human health through altering the level of EET *in vivo*.

When Lee isn't in the lab, he enjoys playing sports, particularly soccer, where he can interact with different people and stay active. He also enjoys running and hiking, and loves the adventure and scenic view from the top of a mountain.



HOT PUBLICATION

Air-Water Exchange of PAHs during the Deepwater Horizon Oil Spill

Researchers at the Oregon State University SRP Center used passive sampling devices to measure air vapor and water dissolved phase concentrations of 33 polycyclic aromatic hydrocarbons (PAHs) and 22 oxygenated PAHs (OPAHs) at four Gulf of Mexico coastal sites prior to, during, and after shoreline oiling from the Deepwater Horizon (DWH) oil spill. They found PAH and OPAH concentrations in air associated with the DWH incident and that the concentrations in air exhibited different spatial and temporal trends than in water. This work represents additional evidence of the DWH incident contributing to air contamination. It also provides one of the first quantitative air-water chemical flux determinations with passive sampling technology, which is a step toward better understanding the exposure risk in air from pollutants in water and sediment at contaminated sites around the country. The results were published in an [article](#) in the journal Environmental Science and Technology.

AWARD WINNERS

Bruce Hammock Elected Fellow of National Academy of Inventors

UC Davis SRP Center Director Bruce Hammock has been elected fellow of the National Academy of Inventors (NAI), which honors academic invention and encourages translations of inventions to benefit society. Hammock has made major innovations in multiple fields. Most recently his laboratory found potent enzyme inhibitors that dramatically reduce inflammation, inflammatory pain and neuropathic pain. For more, visit the [UC Davis news page](#).

Jim Field Receives Binational Grant and Promotion

University of Arizona (UA) SRP grantee Jim Field and colleagues in Mexico have received a grant to study health risks of toxic metals from mine tailings. The grant was funded by a partnership between the UA and Mexico's National Council for Science and Technology, also known as CONACyT, which is comparable to the National Science Foundation. See the [UA SRP website](#) for more information.

Field was also promoted to Assistant Dean of Graduate Education in the College of Engineering at UA. In his

JOIN THE @SRP_NIEHS KNOWLEDGE NETWORK ON TWITTER

NIEHS uses Twitter, an increasingly popular social media tool, for information sharing. A "microblogging" service, Twitter allows users to distribute substantive content through messages called "Tweets." SRP has escalated its Twitter posts and hope that you will join us as a follower. You will get routine Program updates and announcements.

Several SRP Centers are leading the way, and it would be great if all participated! Follow us: [@SRP_NIEHS](#) to instantly hear about news around the Program, key 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](#).

new role, Field will draw on his skills as an educator, adviser, researcher, and administrator to oversee and expand the College's graduate studies program.

Buckman and Taylor Receive NSRC Grant to Study Mercury

Dartmouth SRP trainees Kate Buckman and Vivien Taylor successfully competed for and received a grant from the Northeastern States Research Cooperative (NSRC) to study the role of landscape on mercury concentration and bioavailability in vernal pools around Vermont. They will be collaborating with the Vermont Center for Ecostudies and involving citizen scientists. Visit the [NSRC website](#) to learn more about their project.

CALL FOR ABSTRACTS

14th Annual Pediatric Research Day

The 14th Annual Pediatric Research Day, co-sponsored by Michigan State University SRP, will be held **March 18, 2015** at Wayne State University in Detroit, Michigan. The joint Pediatric Research Day Committee invites and encourages submissions of abstracts that involve child-health related research for short oral presentations and the poster session. **Abstracts are due Monday, February 2.** See the [call for abstracts](#) and the [event flyer](#) for more information about the meeting.

14th International Congress on Combustion By-Products and Their Health Effects

The 14th International Congress on Combustion By-Products and their Health Effects (PIC 2015) will be held June 14-17, 2015 at the Scandic Plaza Hotel in Umeå, Sweden. The main theme of the PIC 2015 congress is "Origin, fate, and health effects of combustion-related air pollutants in the coming era of bio-based energy sources," which will be covered by 12 scientific sessions, including oral presentations as well as posters. The Local Organization Committee welcomes all SRP grantees to attend the conference and submit abstracts by **February 15, 2015**. For more information, visit the [PIC 2015 conference web page](#).

FUNDING OPPORTUNITIES

Breast Cancer and Environment Funding Opportunity

[Environmental Influences during Windows of Susceptibility in Breast Cancer Risk \(U01\)](#) - The overarching goal of the NIEHS-NCI Breast Cancer and the Environment Research Program (BCERP) is to support integrated scientific research to enhance our knowledge of environmental and genetic factors underlying breast cancer risk. This funding opportunity will support transdisciplinary research projects to investigate the influence of environmental exposures during specific time windows of susceptibility on breast cancer risk. Applications are due **January 28, 2015**, by 5:00 PM local time of applicant organization. Visit the [funding opportunity](#) for more information.

Understanding and Promoting Health Literacy

The goal of the Understanding and Promoting Health Literacy program announcement is to encourage methodological, intervention, and dissemination research for understanding and promoting health literacy. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions. The deadlines to apply are **February 5, 2015** ([R01](#)) and **February 16, 2015** ([R03](#) and [R21](#)).

ONES Award Funding Opportunity

[Outstanding New Environmental Scientist \(ONES\) Award \(R01\)](#) - The Outstanding New Environmental Scientist (ONES) Award is intended to identify the most talented Early Stage Investigators (ESIs) who intend to make a long-term commitment to research in the Environmental Health Sciences and assist them in launching an innovative research program focused on the understanding of environmental exposure effects on people's health. Applications are due **February 27, 2015**, by 5:00 PM local time of applicant organization. Visit the [funding opportunity](#) for more information.

Environmental Technologies Solicitation

The Department of Defense's (DoD) Environmental Security Technology Certification Program (ESTCP) issued a solicitation on January 8, 2015, requesting proposals for demonstration of environmental technologies. Researchers from Federal organizations, universities, and private industry can apply for ESTCP funding via the appropriate solicitation below. The DoD Call for Proposals requests pre-proposals related to: environmental

restoration, munitions response in underwater environments, resource conservation, and weapons systems and platforms. All pre-proposals are due no later than **2:00 pm ET on March 12, 2015**. More information about the solicitation, including instructions and deadlines, is available on the [ESTCP website](#).

Environmental Health Sciences Core Centers (P30) Funding Opportunity

The NIEHS Environmental Health Sciences Core Centers (EHS CC) Program provides funding for institutional infrastructure to support scientific equipment, facilities, and other resources shared among researchers tackling related environmental health questions. The centers foster interactions among researchers to allow them to take advantage of innovations and approaches beyond what individual scientists would be likely to attain by working independently. Letters of intent are due March 22, 2015. **Applications are due April 22, 2015**. Visit the [funding opportunity](#) for more information.

INTERAGENCY NEWS

New Tool from the CDC Public Health Tracking Network

The CDC National Environmental Public Health Tracking Network just launched a new and improved Info by Location tool. This infographic-style tool allows you to enter your zip code or county name and view environmental health data and information specific to your county, such as data on demographics, asthma, air quality, smoking, and health insurance coverage. Visit the [Tracking Network](#) today to explore this new tool!