

Agenda: SPAN Leadership Committee/Training Core Leaders WebEx

Tuesday, November 14th from 2 -3 pm ET.

WebEx Information:

<https://nih.webex.com/nih/onstage/g.php?MTID=e4a36ce542a74087eae773e7eb091a8aa>

Agenda Items:

• Introductions/Roll Call

- Candice Brinkmeyer-Langford (Texas A&M University)
- Danielle Carlin (NIEHS)
- John Essigmann (Massachusetts Institute of Technology)
- Breanna Ford (University of California - Berkeley)
- Michael Garland (Oregon State University)
- Jennifer Guelfo (Brown University)
- Angela Gutierrez (University of Kentucky)
- Kristin Hicks (Northeastern University)
- Ashlee Johannes (University of Iowa)
- Amber Kramer (Oregon State University)
- Adeline Lopez (MDB)
- Raina Maier (University of Arizona)
- Craig Marcus (Oregon State University)
- Denise Moreno (University of Arizona)
- Mike Petriello (University of Kentucky)
- David Purdy (University of Iowa)
- Courtney Roper (Oregon State University)
- Thomas Sheahan (Northeastern University)
- Melanie Smith (Northeastern University)
- Jean van Seventer (Boston University)
- Zhengui Xia (University of Washington)
- J. Zach Hilt (University of Kentucky)
- Luoping Zhang (University of California - Berkeley)
- John Essigmann (MIT)

• SRP Annual Meeting – Dec. 6 – 8, 2017

(hosted by University of Pennsylvania, Dartmouth College, and Northeastern University)

- Career development working lunch will be a great opportunity.
- Professional introduction and networking session will be very interactive. Opportunity to give elevator speech and network.
- The networking session will mix trainees from different groups to maximize benefit. This will be a good ice breaking event for people to get to know each other.
- Joint session with trainees and CEC/RTC group will touch on presenting results while balancing risk. This session was developed based on the fact that trainees expressed interest in this type of event. Let us know what you think about this session for future years!
- Dinners arranged on Thursday (12/7/17) evening for trainees (7 to 10 restaurants will be chosen).
- Check out the SRP meeting website for an updated agenda/dinners, etc.
- There is a poster competition for trainees, which is limited to graduate students. There will be winners for both biomedical and environmental projects. Post docs and Ph.D. students

- are being considered for some of the oral presentation spots, if you are given a speaking spot we ask that you not present a poster. Posters and talks will be limited to one per person, so stay tuned for more information if you submitted more than one abstract.
- Lisa Marshall will be talking about “Presentation Style”. Organizers ask that you send example slides that can be used during this presentation.
 - There will be a job board at the meeting – remember to bring your resumes/CVs!
- **Trainee Webinar on Big Data: “Democratizing Science Training using Data Science”:** **November 21st, 1:00 – 2:00 pm EST**
 - **Hosted by Carol Scheffler (K99/R00)**
 - Let Danielle know if you are interested in the K99/R00 grants and she can put you in contact with Carol.
 - **Speaker: John D. Van Horn (USC)**
 - In this presentation, John Van Horn, Ph.D., will describe the activities of the [Big Data to Knowledge \(BD2K\) Training Coordinating Center \(TCC\)](#) at USC, particularly the construction of the [Educational Resource Discovery Index \(ERuDIte\)](#).
 - ERuDIte identifies, collects, describes, and organizes approximately 10,000 resources, including online data science materials from BD2K awardees, open online courses, and videos from scientific lectures and tutorials.
 - They have developed the program to allow users to explore data science training resources, and it is now public.
 - It has 10,000 resources, and they are now trying to publicize its availability.
 - This presentation will be of interest to anyone seeking to personalize their own data science education, craft unique online training curricula, and/or share their own online training content.
 - This training is geared towards the trainees, but is open to anyone to attend!
 - Let us know if you have any ideas for future trainee webinars!
 - **Webinar Registration:**
 - Please note that you must [register](#) to join the call/webinar here: <https://nih.webex.com/nih/onstage/g.php?MTID=ebc649c81655c303d16a7421894bf1df6>
- **Wetterhahn Applications**
 - Because the SRP Annual Meeting is in December this year, applications were due August 31st (not August 1st).
 - The winner will be announced at the Annual Meeting.
 - Please contact Danielle Carlin (danielle.carlin@nih.gov) with any questions.
 - Danielle is happy to discuss applications that were not successful, so you can have a stronger application next year.
 - Wetterhahn awardees get travel support to go to the annual meeting and present, to come to NIEHS and give a talk, and to travel to a scientific meeting of their choice.
 - Let Danielle know if you applied and did not receive any word yet.
- **KC Donnelly Applications**
 - Applications are due January 31, 2017.
 - Brittany Trottier is now the contact for these, but you will still need to work with your assigned Program Administrator on the concept for an application.

- The due date for the letter of intent is likely to change; please stay tuned for an email from Brittany.
- Make sure these are within the scope of the parent grant (see the guidelines on our website).
- It is important that the application be written by the trainees, though mentors can certainly provide advice.
- Great opportunity to collaborate and build a network.
- Winners present at the annual meeting. This year will include presentations from the 2016 winners. 2017 winners will present next year. It's important to note that your travel funds awarded with the externship should be used for the year you present. Let Danielle know if there are any problems with this.
- **SRP/NIEHS now on Linked In:** <https://www.linkedin.com/groups/8478977/profile>
 - We'll have a LinkedIn handout to allow you to connect easily at the SRP annual meeting.
 - We post job announcements on there, and it's also a great way to network, connect, collaborate, etc.
 - Let Danielle know if you need to get in contact with another trainee and she can help if needed.
- **CareerTrac** - looking for SRP Annual Updates and NIH Progress Reports (Type 5s)
 - Brittany Trottier will be following up with SRP Training Core Leaders regarding missing trainees from CareerTrac
 - The database is used to follow trainees. So far everyone has done a great job making sure trainees are in CareerTrac.
 - SRP staff authored and published a paper in Reviews on Environmental Health – includes discussion about CareerTrac, trainee activities, etc. Feel free to check it out! <https://www.ncbi.nlm.nih.gov/pubmed/29055939>
- **Reminder to send updates to SPAN Leadership Committee**
 - These will be taken September/January of each year (please limit to 1 – 2 graduate students/Post-Docs per Center to keep up with the listserv)
 - Please email your nominations to danielle.carlin@nih.gov and indicate the current status of the new member (e.g., graduate student or Post-Doc)
 - Membership on the SPAN Leadership Committee is a two-year term.
 - Being on these calls is a great way to stay plugged in and know what's going on at SRP.
- **E-Posted, Research Brief, SRP Digests:** Great sources of information to stay up to date on what grantees and SRP staff are doing! Thanks to all of you for putting together your own newsletters!
- **Training Core Activities and Round-robin/sharing** of highlights from Superfund Centers and R01 grantees
 - **A few highlights from the SRP Data Collection Tool:**
 - **Boston University:**
 - Carcinome Project Launched - The Bioinformatics and Molecular Modeling Core (BMMC) launched the first version of [The Carcinome Project](#), a database of chemical carcinogenicity screens based on *in-vitro* human models profiled on the L1000 gene expression assay. The project is a result of a collaboration between BMMC Leader Stefano Monti, Director Dave Sherr, trainee **Amy Li** and partners at the Broad Institute CMap team,

and the National Toxicology Program (NTP) at NIEHS. This resource is **Open-Access**.

- Trainee **Kate Crawford** is presenting at [SETAC](#) (Society of Environmental Toxicology and Chemistry) in the Platform Session: One Health – Opportunities for SETAC Leadership in Integrating Environmental, Human and Animal Health. Her presentation is titled, *Healthy Fish, Healthy People: Using fish to study ecological and health impacts of early life exposures to chemicals on metabolic & bone development*
- Trainees co-authored the following recent publications with Project/core Leaders (current **bolded**, former *italicized*):
 - **Basra K**, Fabian P, Scammell MK. 2017. [Consumption of Contaminated Seafood in an Environmental Justice Community: A Qualitative and Spatial Analysis of Fishing Controls](#). Environmental Justice. doi.org/10.1089/env.2017.0010
 - *Timme-Laragy AR*, Hahn ME, Hansen JM, Rastogi A, Roy MA. [Redox stress and signaling during vertebrate embryonic development: Regulation and responses](#). Semin Cell Dev Biol. 2017 Sep 21. doi: 10.1016/j.semcdb.2017.09.019. Review.
 - Sant KE, Hansen JM, Williams LM, Tran NL, Goldstone JV, Stegeman JJ, Hahn ME, *Timme-Laragy A*. [The role of Nrf1 and Nrf2 in the regulation of glutathione and redox dynamics in the developing zebrafish embryo](#). Redox Biol. 2017 Oct;13:207-218. doi: 10.1016/j.redox.2017.05.023. Epub 2017 May 30.
 - *Lemaire B*, Karchner SI, Goldstone JV, Lamb DC, Drazen JC, Rees JF, Hahn ME, Stegeman JJ (2017) [Molecular adaptation to high pressure in cytochrome P450 1A and aryl hydrocarbon receptor systems of the deep-sea fish Coryphaenoides armatus](#). Biochim Biophys Acta. [Epub ahead of print]
- Trainee **Stephanie Kim** wrote a blog for the BUSRP Fall Newsletter titled, [Using EPA's computational toxicology \(CompTox\) database for chemical screening](#)
- This month, BUSRP is hosting [Rosemarie de la Rosa, KC Donnelly Externship award winner](#) and trainee at the University of California, Berkeley SRP Center. Rosemarie is a doctoral student whose research focuses on the cumulative effects of stressors on human health. She is working with Jennifer Schlezinger (Project 3) and Tom Webster (formerly on Project 2) on predicting the effects of mixtures acting at the glucocorticoid receptor. Her work also ties in with research by BUSRP trainee Lariah Edwards on PPAR-gamma.
- Sarah Hokanson, Ph.D., Director of Professional Development and Postdoctoral Affairs at Boston University, gave a presentation to **all trainees** and their mentors titled, *Creating and Owning Your Future: Building Your Individual Development Plan (IDP)* at the quarterly plenary meeting of the BUSRP.

- Project 4 is hosting a guest student from the University of Bergen, Norway, who is studying the ligand specificity and sensitivity of cod AHRs.
- **University of Arizona:**
 - Denise Moreno Ramirez and Monica Ramirez-Andreotta were invited speakers at the Environmental Justice Taskforce (EJT) meeting. Their team has worked with the community Southside Tucson since 2005 as part of a community-engaged project. EJT emerged from this project, and they focus more on 1,4-dioxane contamination in the area. EJT invited Moreno-Ramirez and Ramirez-Andreotta to share information about their ongoing research projects. It was a great opportunity to speak with community members about their work, and to discuss future collaborations.
 - Moreno Ramirez spoke about her dissertation project called Voices Unheard – Arizona’s Environmental History Project.
 - Monica Ramirez-Andreotta presented her work on Project Harvests
 - Ongoing work at Dewey Humboldt site.
- **University of Iowa:**
 - Trainees participated and presented posters at an External Advisory Committee meeting on 10/3. Trainees are a vital part of this meeting. 12 trainees presented posters this year, and the meeting included discussions about planning for the future. Trainees also got to have extended conversations with mentors about research.
 - Six trainees traveled with CEC to visit Joseph Block Middle School in East Chicago on 9/27. The trainees taught 8th grade students about PCBs during their science class. Families are enrolled in the study and complete an assessment, blood samples, and receive a passive air sampler for their home. Families also get a PCB education session. At this event, trainees worked with students and helped them build a PCB model to take home and share with their families. This was a great chance for trainees to see the importance of translating research to the appropriate level for their audience and to get out into the community. Teachers at the middle school were very appreciative of the multi-ethnic trainee corps since their school has a lot of diversity and it is important for them to see people like them doing science.
 - 10 faculty and 7 trainees attended the Central States Society of Toxicology meeting. Trainee Eric Uwimana was invited to give an oral presentation on his work on PCBs. Trainee Ezazul Haque won an award for best poster presentation for his work on the assessment of metals in soil and blood of residents in East Chicago (a collaboration with the Columbia SRP Center).
- **Other updates?**
- **PROTECT:**
 - Due to the devastation in Puerto Rico, they’re still in the process of reconnecting communication and getting back up and running. Trainees on the island have been cut off for a while, but they’re trying to keep activities moving as much as possible.

- Trainee Nancy Cardona is in AZ for her KC Donnelly externship working with Monica Ramirez-Andreotta.
 - Their newsletter will be out soon and contains several trainee highlights.
 - Kelly Ferguson, now at NIEHS, was highlighted as a rising Environmental Health Leader by the Collaborative on Health and the Environment. She was featured on their website and in a publication.
 - Two webinars were held this fall related to big data and environmental health problems. One was focused on data mining and was presented by a speaker from Harvard Medical school and using epidemiological data.
 - Planning a “re-welcome” webinar in January for everyone to touch base and particularly re-connect with those in Puerto Rico. Good opportunity for everyone to discuss what they’re working on and plans for moving forward. Great way for the team, which is spread out around 6 different institutions, to connect and offer support to each other, especially for colleagues in Puerto Rico.
 - The PROTECT team is funding their own “KC Donnelly” type externship within the PROTECT Network. It will allow trainees to travel between each of the 6 collaborating institutions to work on diverse projects at these labs within the PROTECT network. This will be particularly useful for trainees in Puerto Rico whose labs might not be up and running, so they can have travel support to go and conduct research at one of the host labs.
- **MIT**
 - Brand new Superfund Grantee, so no updates right now, but just wanted to note that they’re very concerned about Puerto Rico, and are hosting Akram for a seminar next week.
 - RFA out on the street for basic research and engineering specifically associated with the hurricanes (R21)
- **U Kentucky**
 - Communications workshop for all trainees (2 days) put on by Anna Hoover. Aimed at helping them identify their audience, targeting messages, and developing elevator speeches for a variety of audience types (e.g., non-scientific or from another field). A couple participants were assigned to develop elevator speeches to deliver at the advisory board meeting.
 - Advisory board meeting included several posters from trainees.
 - Trainee Derek Wan won an award at the American Institute of Chemical Engineering National Meeting for a Ted talk he gave on his work on metal functionalized membranes for water remediation.
- **Brown University**
 - Annual center retreat with external advisory committee included 10 trainee posters. Trainees were also involved in presentations for each of the Center Projects.
 - Joint project with RTC/training core/CEC with the Rhode Island Department of Health (regulatory stakeholder). Started as a research translation effort to help them understand drinking water impacts due to PFOA/PFAS. Trainees have helped put together a risk-based geospatial framework to help identify where these impacted groundwater systems might be. The Department of Health then used that framework to help them design their screening program across the state, and then the training core helped with

the sampling effort. They only found one of the 60 samples with a level of concern. The CEC has been participating in community meetings to help communicate findings to those who might be impacted.

Additional Information:

- **SRP Website – for SPAN/Training**
 - <http://www.niehs.nih.gov/research/supported/srp/training/index.cfm>
 - Notes from all previous SPAN Teleconferences/WebEx Discussions are posted here.
 - Training Core Leaders, please send Adeline Lopez (alopez@michaeldbaker.com) any news items of interest to trainees (e.g., trainee success stories, pictures, job announcements, etc).
 - SRP e-posted: Trainee Highlights

- **The Rewards of Working as a Data Wrangler**
 - Article in Science by Maggie Kuo
 - <http://www.sciencemag.org/careers/2017/09/rewards-working-data-wrangler>