

THE NEXT GENERATION OF SUPERFUND TRAINING, TRANSLATION AND RESEARCH

AGENDA

Day One: Wednesday, November 28, 2018		
Time	Event	Location
7:30 am – 8:45 am	Registration: Trainee, and RTC/CEC Programs	Regency Ballroom Foyer
9:00 am – 3:15 pm	Trainee Program	Regency D
9:00 am – 3:05 pm	Research Translation and Community Engagement Cores (RTC - CEC) Program	Regency E
3:30 pm – 9:00 pm	Main Meeting Program	Regency Ballroom
4:30 pm – 5:50 pm	Center Administrators' Program	Regency E

Look to following pages for more details for the Main, Trainee, RTC & CEC, and Center Administrators' Programs

Day One: Wednesday, November 28, 2018		Trainee Program
7:30 – 8:45 am	Registration	Regency Ballroom Foyer
7:45 – 9:30 am	Trainee Breakfast	Regency Corridor
9:00 am – 3:15 pm	Trainee Program	Regency D
9:00 – 10:00 am	Welcome/Introduction Luoping Zhang, Ph.D. University of California, Berkeley Keynote Speaker Tyrone Hayes, Ph.D., Professor, Integrative Biology, University of California, Berkeley Title: "From Silent Spring to Silent Night: A Tale of toads and men"	
10:00 – 11:00 am	Session 1: Big Data Moderator: Reginald McNulty, University of California, San Diego Superfund Research Program Speaker: Nirav Merchant, Ph.D., Director, University of Arizona Data Science Institute, CyVerse Title: "Unleashing your Inner Data Scientist: The Ability and Audacity to Scale Your Science Science with Community Cyberinfrastructure"	
11:00 – 11:15 am	Break	
11:15 am– 12:15 pm	Session 2: Non-academic careers Moderator: Gabrielle Black, University of California, Davis Superfund Research Program Panelists: <ul style="list-style-type: none"> • Samara Freeman, Ph.D., Co-Founder, Evolve Biosystems, Inc. (Success in Non-academic Careers) • Sridharan Rajamani, Ph.D., Amgen (Job searching, Where scientists are hired) • Kate Sleeth, Ph.D., Associate Dean of Administration and Student Development, Beckman Research Institute of the City of Hope (Success in Networking) 	
12:15 – 1:15 pm	Lunch	Regency BC
1:15 – 2:15 pm	Round Table Discussion: Professional Networking and Career Options Moderator: Padmini Sirish, University of California, Davis Superfund Research Program Round Table Discussion Leaders: <ul style="list-style-type: none"> • Josef Billiet, USA Scientific • Danielle Carlin, Ph.D., NIEHS • Nipavan Chiamvimonvat, MD, Ph.D., University of California, Davis 	

Day One: Wednesday, November 28, 2018		Trainee Program
	<ul style="list-style-type: none"> Samara Freeman, Ph.D., Evolve Biosystems, Inc. Aldrin Gomes, Ph.D., University of California, Davis Gary Lee, Agilent Technologies Isaac Pessah, Ph.D., University of California, Davis Sridharan Rajamani, Ph.D., Amgen Kate Sleeth, Ph.D., Beckman Research Institute of the City of Hope Yolanda Wagner, Eppendorf Luoping Zhang, Ph.D. University of California, Berkeley <p>SRP Alumni Career Panel:</p> <ul style="list-style-type: none"> Shohreh Farzan, Ph.D., University of Southern California (KC Donnelly Award Winner 2013) 	
2:15 – 3:15 pm	Session 3: Academic Survival Skills Panel Discussion	Regency D
	<p>Moderator: Felicia Castriota, University of California, Berkeley</p> <p>Panelists:</p> <ul style="list-style-type: none"> Danielle Carlin, Ph.D., NIEHS Shohreh Farzan, Ph.D., University of Southern California (KC Donnelly Award Winner 2013) Isaac Pessah, Ph.D., University of California, Davis Luoping Zhang, Ph.D., University of California, Berkeley 	
3:30 pm	Reconvene to Main Program	Millennium Hall

Day One: Wednesday, November 28, 2018		RTC - CEC Program
Time	Event	Location
7:30 – 8:45 am	Registration	Regency Ballroom Foyer
7:45 – 9:30 am	RTC/CEC Breakfast	Regency Corridor
9:00 am – 3:05 pm		Regency E
9:00 – 9:10 am	Welcome & Introductions	
9:10 - 10:45 am	<p>Session 1: Landmark Successes of Historical RT/CE Programs</p> <p>Moderator: Cliona McHale, Ph.D., University of California, Berkeley</p> <p>Presenters:</p> <ul style="list-style-type: none"> Bob Tukey, Ph.D., University of California, San Diego Kent Udell, Ph.D., University of Utah Phil Brown, Ph.D., Northeastern University 	
10:45 – 11:00 am	Break	
11:00 – 12:30 pm	<p>Session 2: Constituent Led Focused Discussions</p> <p>Industry</p> <ul style="list-style-type: none"> John Freeman, Ph.D., CSO Intrinsyx <p>Government</p>	

Day One: Wednesday, November 28, 2018		RTC - CEC Program
Time	Event	Location
	<ul style="list-style-type: none"> Ben Gerhardstein, MPH, Agency for Toxic Substances and Disease Registry <u>Scientific Communications</u> Destiny Davis, ScienceSays <u>Community Partner</u> Adriana Renteria, Community Water Center 	
12:30 – 1:30 pm	Lunch & Networking	
1:30 – 3:00 pm	Session 3: Working with Tribes and Impacted Tribal Land Moderator: Beth-Rose Middleton, Ph.D., University of California, Davis <ul style="list-style-type: none"> Suzanne Fluharty, Ph.D., Manager, Community and Ecosystems Division, Yurok Tribe Environmental Program Richard Myers, Environmental Specialist, Yurok Tribe Environmental Program Melissa Gonzales, Sarah Henio-Adeky (University of New Mexico Partnership) Kathy Vandiver, Ph.D., Massachusetts Institute of Technology David Wilson, Ph.D., Director, Tribal Health Research Office (THRO), National Institute of Health (NIH) 	
3:00 – 3:05 pm	Wrap up & Transition to the Main Program	
3:30 pm Reconvene to Main Program		Regency Ballroom

Day One: Wednesday, November 28, 2018		Main Program
Time	Event	Location
8:00 am – 6:00 pm	Registration Open	Regency Ballroom Foyer
8:00 am – 7:00 pm	Technology Fair: P42 Center Technology Demonstration Tables <ul style="list-style-type: none"> Brown University: “Graphene-Enabled Toxicant Barrier Technologies for Personal Protection” Oregon State University: “Silicone wristbands and passive sampling devices for personal monitoring and assessing bioavailability” University of Iowa: “Passive Air Samplers for PCBs” University of Kentucky: “Water Remediation through Responsive Membranes” University of Rhode Island: “PFAS Passive Sampling Devices” 	Ballroom Foyer
3:30 pm – 9:00 pm	Main Program	Regency Ballroom

3:30 – 4:00 pm	<p>Welcome</p> <p>Moderator: Bruce D. Hammock, Ph.D., Director, UC Davis SRP</p> <p>Speaker: Paul Dodd, Ph.D., Associate Vice Chancellor for Interdisciplinary Research and Strategic Initiatives, University of California, Davis</p> <p>Speaker: William Suk, Ph.D., M.P.H., Director, NIEHS, Superfund Research Program, and Hazardous Substances Research Branch</p>
4:00 – 5:20 pm	<p>Session 1: Highlighting Results from KC Donnelly Awardees</p> <p>Moderator(s): Isaac Pessah, Ph.D. (University of California, Davis) and Shohreh Farzan, Ph.D. (University of Southern California, 2013 DC Donnelly Winner)</p> <p>Presenters:</p> <p>Victoria Parker, University of Iowa (KC Donnelly Award Winner 2017) “Studies on the Potential for Inhibition of Estrogen Sulfotransferase in Murine 3T3-L1 and Immortalized Human Adipocytes Upon Exposure to Hydroxylated Metabolites of Common Airborne Polychlorinated Biphenyls”</p> <p>Anne Bozack, Columbia University (KC Donnelly Award Winner 2017) “Addressing multicollinearity in epidemiological studies: Characterizing multiple environmental exposures and assessing mediation by DNA methylation”</p> <p>Rosemarie de la Rosa, University of California-Berkeley (KC Donnelly Award Winner 2017) “Methods to assess the risks to human health presented by hazardous substances”</p> <p>Pamela Barrett, University of Washington (KC Donnelly Award Winner 2017) “Chemical speciation and biological uptake of arsenic in lakes with legacy pollution in sediments”</p>
5:20 – 5:30 pm	Break
5:30 – 7:00 pm	Poster Session 1 Regency Corridor & Regency F
7:00 – 9:00 pm	Dinner Regency Ballroom

Day Two: Thursday, November 29, 2018		Main Program
Time	Event	Location
7:45 am – 9:30 am	Breakfast	Regency Ballroom Foyer
8:00 am – 3:00 pm	Main Meeting Registration	Regency Ballroom Foyer
8:00 am – 8:50 pm	Pre-Program Panel Discussion: “Tips and Resources for Getting the Most Out of Field Testing Remediation and Detection Technologies”	Regency D
8:00 am – 7:00 pm	Technology Fair: Small Business Innovative Research Demonstration Tables: <ul style="list-style-type: none"> Entanglement Technologies, Inc. “AROMA-VOC real-time chemical vapor analyzer” GlycoSurf, LLC “Novel Rhamnolipid Surfactants for (Recovery of Critical Elements and) Remediation of Metal Contaminated Waste Streams” Microvi Biotechnologies Inc. “Biocatalytic degradation of 1,2,3-trichloropropane for achieving extremely low regulatory limits” OndaVia, Inc. “Raman spectroscopy for environmental monitoring” Picoyune - “Plasmonic mercury analyzers for field monitoring of vapor, liquid, and solid samples” 	Regency Ballroom Foyer
9:00 am – 5:00 pm	Main Program	Regency Ballroom
9:00 am – 9:15 am	Opening Session for Day Two Thomas Young, Ph.D., Deputy Program Director, UC Davis SRP	
9:15 am – 9:55 am	Keynote Address Moderator(s): Elizabeth Geltman, Ph.D. (The City University of New York) and Matthew Dodson, Ph.D. (Postdoc, University of Arizona) Speaker: Mohit Jain, Ph.D., University of California, San Diego Title: “Mapping Human Chemical Diversity and the Environmental Landscape of Disease”	
9:55 am – 10:35 am	Session 2: Mechanisms of Toxicity Moderator(s): Elizabeth Geltman, Ph.D. (The City University of New York) and Matthew Dodson, Ph.D. (Postdoc, University of Arizona) Presenters: <ul style="list-style-type: none"> Maggie Williams, Michigan State University <ul style="list-style-type: none"> Impact of dioxins on the gut microbiome, host, and implications for environmental mitigation strategies Eric Uwimana, University of Iowa (KC Donnelly Award Winner 2017) <ul style="list-style-type: none"> Polychlorinated Biphenyls (PCBs) Alter Intracellular Calcium Signaling in human HepG2 Cell line 	
10:35 am – 10:55 am	Break	

Day Two: Thursday, November 29, 2018		Main Program
Time	Event	Location
10:55 am – 12:15 pm	<p>Session 3: Connecting Exposures to Health Outcomes Moderator(s): Elizabeth Geltman, Ph.D. (The City University of New York) and Daniel Riggs (Trainee, University of Louisville) Presenters:</p> <ul style="list-style-type: none"> ○ Kelly Fader, Michigan State University <ul style="list-style-type: none"> ○ Dioxin Abolishes Circadian Rhythmicity of the Hepatic Transcriptome and Metabolome in Mice ○ Amber Cathey, University of Michigan <ul style="list-style-type: none"> ○ Longitudinal associations between biomarkers of urinary polycyclic aromatic hydrocarbons and serum hormones among pregnant women in Puerto Rico ○ Nancy Cardona, Northeastern University (KC Donnelly Award Winner 2017) <ul style="list-style-type: none"> ○ Increasing literacy and enhancing decision making in underserved communities in Puerto Rico: Buscando En Tu Ambiente” Community Based Participatory Research ○ Oluwadamilare Adebambo, University of North Carolina-Chapel Hill (KC Donnelly Award Winner 2017) <ul style="list-style-type: none"> ○ Investigating the relationship between cadmium in the human placenta and mitochondrial DNA copy number 	
12:15 pm – 1:15 pm	Lunch	Regency Ballroom
12:15 pm – 1:15 pm	R25 Lunch	Regency D
1:15 pm – 2:55 pm	<p>Session 4: Innovations in Contaminant Measurement and Remediation Moderator(s): Jennifer Kay, Ph.D. (Massachusetts Institute of Technology) and Ruggiero Vigliaturo, Ph.D. (Postdoc, University of Pennsylvania) Presenters:</p> <ul style="list-style-type: none"> • Gregory LeFevre, Ph.D., University of Iowa <ul style="list-style-type: none"> ○ Discovering Novel Contaminant Transformation Products with Health Implications using semi-targeted High-resolution Mass Spectrometry • Edward Kolodziej, Ph.D., University of Washington, Tacoma <ul style="list-style-type: none"> ○ Characterizing Urban Stormwater Impacts on Water Quality to Understand Ecosystem Health • Chuqing Zhou, University of California, Davis <ul style="list-style-type: none"> ○ Microfluidic print-to-analyze (MPA) system for automated biological sample preparation • Dibakar Bhattacharyya, Ph.D., University of Kentucky <ul style="list-style-type: none"> ○ Advancing Water Remediation Technologies by Responsive Membranes • James Ranville, Ph.D., Colorado School of Mines <ul style="list-style-type: none"> ○ Recovery of A Mining Impacted Stream Following the Treatment of AMD Inputs 	
2:55 pm – 3:25 pm	<p>Wetterhahn Award Presentation Award Announcement & Introduction: Gwen Collman, Ph.D., Director, NIEHS Division of Extramural Research and Training</p>	
3:25 pm – 4:45 pm	<p>Session 5: Environmental Impacts of Natural Disasters Moderator(s): Carmen Velez Vega, Ph.D. (Northeastern University) and Bryan Luukinen (Duke University) Presenters:</p> <ul style="list-style-type: none"> • Ivan Rusyn, Ph.D., Texas A&M University 	

	<ul style="list-style-type: none"> ○ Categorization of Real-life Mixtures Using Chemical-Biological Grouping: A Case Study of the Hurricane Harvey Response ● Michael Welton, Ph.D., Northeastern University <ul style="list-style-type: none"> ○ Impact of Hurricanes Irma and Maria on Puerto Rico Maternal and Child Health: Research Programs and Strategies for the Future ● Zunwei Chen, Texas A&M University <ul style="list-style-type: none"> ○ A multi-tissue organotypic human in vitro model for rapid hazard identification of environmental chemicals and mixtures ● Allison Taylor, University of California, Riverside <ul style="list-style-type: none"> ○ Connecting Contaminant Age and Bioavailability in Risk Assessment and Remediation
4:45 pm – 5:00 pm	Break
5:00 pm – 6:30 pm	Poster Session 2 Regency Corridor & Regency F
6:30 pm – 7:30 pm	Directors/PI Meeting Capitol View Room (15th Floor) (Current P42, R01 and R25 Directors)
7:00 pm	Dinner on your own or as part of the following groups: RTC-CEC Dinner Trainees' Dinners Administrators' Dinner
7:30pm	Directors' Dinner (P42 Center Directors, R01 and R25 Principal Investigators; By Invite Only)

Day Three: Friday, November 30, 2018		Main Program
Time	Event	Location
7:45 am – 9:30 am	Breakfast	Regency Ballroom Foyer
8:30 am – 12:30 pm	Main Program	Regency Ballroom
8:30 am – 8:35 am	Opening Session for Day Two Moderator: Thomas Young, Ph.D., Deputy Program Director, UC Davis SRP	
8:35 am – 9:15 am	Keynote Address Speaker: Rebecca Neumann, Ph.D., University of Washington Title: “Legacy arsenic contamination in freshwater ecosystem: the unique vulnerability of shallow weakly-stratified lakes”	
9:15 am – 10:35 am	Session 6: Trace element speciation, bioavailability and toxicity Moderator(s): Ana Navas-Acien, Ph.D. (Columbia University) and Kevin Hsu (Trainee, Dartmouth College) Presenters: <ul style="list-style-type: none"> ● Craig Steinmaus, MD, MPH, University of California, Berkeley <ul style="list-style-type: none"> ○ Arsenic toxicity: who is most susceptible? ● Barrett Welch, Oregon State University <ul style="list-style-type: none"> ○ Arsenic exposure and serum antibody concentrations in children at age 5 ● Heileen Hsu-Kim, Ph.D., Duke University <ul style="list-style-type: none"> ○ Strategies to Predict and Model Mercury Biomethylation Potential in Sediments 	

Day Three: Friday, November 30, 2018		Main Program
	<ul style="list-style-type: none"> • Steven Chillrud, Ph.D., Columbia University <ul style="list-style-type: none"> ○ Continued experiments in promotion of private well testing for arsenic including health portal messaging 	
10:35 am – 10:55 am	Break	
10:55 am – 12:15 pm	Session 7: PFAS Detection, Treatment and Impacts Moderator(s): Wendy Heiger-Bernays, Ph.D. (Boston University) and Chuqi Guo (Trainee, Louisiana State University) Presenters: <ul style="list-style-type: none"> • John McKernan, Ph.D., U.S. Environmental Protection Agency <ul style="list-style-type: none"> ○ In-situ Stabilization of PFAS Contaminated Soils at Two Superfund Sites • Jennifer Guelfo, Ph.D., Brown University (KC Donnelly Award Winner 2017) <ul style="list-style-type: none"> ○ Evaluation of Occurrence and Behavior of Per- and Polyfluoroalkyl Substances (PFASs) in an Urbanized Watershed • Jitka Becanova, Ph.D., University of Rhode Island (KC Donnelly Award Winner 2018) <ul style="list-style-type: none"> ○ Testing nanographites as passive samplers for PFAS in the aquatic environment • Joseph Braun, Ph.D., Brown University <ul style="list-style-type: none"> ○ Identifying Metabolic Pathways Associated with Childhood Exposure to Perfluorooctanoic 	
12:15 pm – 12:30 pm	Awards and Closing Comments	Regency Ballroom

Day One: Wednesday, November 28, 2018		Administrators' Program
2:30 – 3:30 pm	Registration	Regency Ballroom Foyer
4:30 pm – 5:50 pm	Administrators' Program	Regency E
4:30 – 5:30 pm	Administrator Session 1 <ul style="list-style-type: none"> • Introductions and Welcome • New NIEHS Staff Introductions • Sign-up for one-on-one sessions with GMS 	
5:30 – 7:00 pm	Poster Session 1 of Main Meeting	Regency Corridor & Regency F
7:00 – 9:00 pm	Dinner	Regency Ballroom

Day Two: Thursday, November 29, 2018		Administrators' Program
7:45 am – 9:30 am	Breakfast	Regency Ballroom Foyer
9:00 am – 2:45 pm	Administrators' Program	Regency E
8:30 – 9:30 am	15 min one-on-one sessions with NIEHS Grants Management Staff (GMS)	Regency E

9:30 – 10:30 am	Administrator Session 2 Lisa Edwards NIEHS Grants Management Officer <ul style="list-style-type: none"> • Remaining questions about RPPR not covered in the Nov 13th webinar • NIEHS Policy Updates • Carryover 	
10:30 – 10:45 am	Break	
10:45 – 12:00 pm	Administrator Session 3 NIEHS Scientific Review Staff Janice B. Allen, Ph.D., Scientific Review Officer Laura A. Thomas, Ph.D., Scientific Review Officer Deborah A. Jones, Extramural Support Assistant Alfonso R. Latoni, Ph.D., Chief of the Scientific Review Branch <ul style="list-style-type: none"> • Tools for a Successful Competitive Submission • ASSIST System • Grant Scientific Review Process 	
12:15 – 1:15 pm	Lunch	Regency Ballroom
1:30 – 2:30 pm	Administrator Session 4 NIEHS Program Staff/MDB <ul style="list-style-type: none"> • MDB: Data Collection Tool • Remaining questions about the RPPR not covered in the Nov 13th webinar 	Regency E
2:30 – 2:45 pm	Administrator Session 5 NIEHS CareerTrac System Presentation Brittany Trottier, NIEHS Health Specialist	Regency E
2:45 pm Reconvene to Main Program		

Day Three: Friday, November 30, 2018

Administrators' Program

7:45 am – 9:30 am	Breakfast	Regency E
9:30 am – 12:00 noon	Administrators' Program	Regency E
8:30 am – 9:30 am	15 min one-on-one sessions NIEHS GMS staff	Regency E
9:30 am – 10:15 am	Administrator Session 6 Publications Discussion Shawn Tucker, OSU Administrator	
10:15 am – 10:30 am	Break	
10:30 am – 12:00 pm	Administrator Session 7 Admin Open Topic Session and 2019 Planning Session <ul style="list-style-type: none"> • Selection of 2019 Chair and Co-Chairs 	Regency E
12:00 noon Reconvene to Main Program		Regency Ballroom