

POSTER PRESENTATIONS

WEDNESDAY, NOVEMBER 28, 2018

REGENCY CORRIDOR AND REGENCY F

#	Name	Organization	Title
1	Abuawad, Ahlam	Columbia University SRP	Body Mass Index is Associated with Arsenic Metabolites (in Urine and Blood) in the Bangladesh FACT Study
2	Ahmad, Irfan	University of Kentucky SRP	Detection of Polychlorinated Biphenyls in Water Using Biphenyls in Water Using Fluorescent Nanoparticles
3	Alaimo, Christopher	University of California, Davis SRP	A Non-Target Approach for the Analysis of Airborne Carbonyl Compounds via High-Resolution Mass Spectrometry
4	Aly, Noor	Texas A&M University SRP	A Library of 4,000+ Environmental Chemicals for High Throughput Exposomic Measurements
5	Andrews, Faye	Oregon State University	Urinary Polycyclic Aromatic Hydrocarbons Concentrations and Prevalence of Hepatitis B Viral Antibody Serology in the United States (NHANES, 2003-2014)
6	Ashrap, Pahriya	University of Michigan, School of Public Health	Elevated Concentrations of Urinary Triclocarban, Phenol and Paraben among Pregnant Women in Northern Puerto Rico: Predictors and Trends
7	Baglieri, Jacopo	University of California, San Diego SRP	Uncleavable collagen type I protects from CCl4-induced Hepatocellular carcinoma in mice
8	Barney, Jazmyne	University of Kentucky SRP	Diet-Induced Steatohepatitis Alters Liver and Gut Microbiota Catalyzed Green Tea Metabolism in Mice
9	Beard, Jessica	Massachusetts Institute of Technology SRP	Fluorescent and Chemiresistive Sensors for Detecting Harmful Chemicals
10	Beykal, Burcu	Texas A&M University SRP	Understanding Contaminant Characteristics and Redistribution in Post-Harvey Soil Samples Through Data Visualization and Clustering Analysis
11	Bippus, Paige	Duke University SRP	Understanding the impact of bacterial growth strategies on horizontal gene transfer to model and promote a precision bioremediation framework
12	Black, Gabrielle	University of California, Davis SRP	Using predicted estrogenicity to drive High Resolution LCMS non-target chemical identifications in complex environmental samples
13	Blair, Ian	University of Pennsylvania SRP	Combining molecular biology with mass spectrometry for proteoform biomarker discovery
14	Blevins, Lance	Michigan State University SRP	Identification of CD5+ innate-like B cells as a sensitive immunological target of AHR-mediated immunotoxicity
15	Bostick, Benjamin	Columbia University SRP	Field-scale trials of arsenic remediation
16	Bozack, Anne	Columbia University SRP	The Folic Acid and Creatine Trial: Treatment effects on arsenic metabolite concentrations measured in blood
17	Braman, Stuart	Columbia University SRP	Continued experiments in promotion of private well testing for arsenic including health portal messaging
18	Browning, Cynthia	Brown University SRP	Dissolution Kinetics and Mitochondrial Toxicity of 2D Manganese Oxide Nanosheets in Fish Gill Cells
19	Buchholz, Bruce	University of California, Davis SRP	Stable Naphthalene DNA Adduct Formation in the Lung
20	Camargo, Krisa	Texas A&M University SRP	Post-Hurricane Harvey Sediments: PAH Distributions and Relative Sources
21	Casillas, Gaston	Texas A&M University SRP	A longitudinal assessment of PAHs in Houston parks after Hurricane Harvey
22	Castriota, Felicia	University of California, Berkeley SRP	The Effects of Arsenic on Beiging and Metabolic Health

#	Name	Organization	Title
23	Chang, Yvonne	Oregon State University SRP	Pathway-Based Predictive Model to Classify Polycyclic Aromatic Hydrocarbons by Carcinogenic Potential
24	Chao, Christy	Massachusetts Institute of Technology SRP	Patterned Microwell Compartments Harbor Hepatocyte Spheroids for Genotoxicity Testing
25	Chow, Steven	Johns Hopkins University SRP	Dynamic response of bioaugmented chlorobenzene-degrading communities to various redox conditions at simulated anaerobic-aerobic groundwater interfaces
26	Christofidou-Solomidou, Melpo	University of Pennsylvania SRP	The Synthetic Lignan Secoisolariciresinol Diglucoside (LGM2605) Prevents Asbestos-Induced Inflammation and Genotoxic Cell Damage in Human Mesothelial Cells
27	Chung, Minwoong	Michigan State University SRP	The effect of dioxin contamination and remediation on property values
28	Connolly, Morgan	University of California-Davis SRP	Genetic and Enzyme Engineering to Improve Bioremediation of Triazine Herbicides
29	Cox, Jeffrey	Michigan State University SRP	Setting the Media Agenda on the Topic of Dioxin Contamination
30	Dean, Rachel	University of Kentucky SRP	Dioxin dechlorination in sediments from the Passaic River, New Jersey
31	Deng, Pan	University of Kentucky SRP	Metabolomics and Lipidomics Study of PCB 126 Exposed Mouse Models of Atherosclerosis Highlights Disturbed Bile Acid and Sphingolipids Metabolism
32	Ding, Yuan	University of California, Davis SRP	Competitive and noncompetitive immunoassays for the detection of benzothiostrubin using magnetic nanoparticles and fluorescein isothiocyanate-labeled peptides
33	Dodds, James	Texas A&M University SRP	Discovering New Methodologies for Rapid Detection of Perfluorinated Species in Complex Samples: Ion Mobility Spectrometry and RapidFireMS
34	Dodson, Matthew	University of Arizona SRP	Arsenic-induced metabolic reprogramming: A role for autophagy and NRF2
35	Dong, Shi	Northeastern University SRP	A Hybrid Approach to Identify Key Indicators of PROTECT (Puerto Rico Testsite for Exploring Contamination Threats) Dataset with an End-To-End Toolchain
36	Dornbos, Peter	Michigan State University SRP	TCDD is Associated with Serum Cholesterol in American Adults and the Role of HMG-CoA Reductase in Aryl Hydrocarbon Receptor-mediated Liver Injury
37	Duan, Siliang	University of California, Davis SRP	A Novel Nanobody against CTLA-4 Increases the Anti-tumor Effects of Specific CD8+ T Cells
38	Eick, Stephanie	Northeastern University SRP	Associations between psychosocial stress and oxidative stress during pregnancy in the PROTECT cohort
39	Eleya, Suha	Michigan State University SRP	Role of the Megaplasmid pSWIT02 in Dioxin and Dibenzofuran Degradation by <i>Sphingomonas wittichii</i> RW1
40	Elkin, Elana	Northeastern University SRP	Exposure to the trichloroethylene metabolite S-(1,2-Dichlorovinyl)-L-cysteine causes an early energy metabolic shift followed by lipid peroxidation-mediated mitochondrial dysfunction in a first-trimester extravillous trophoblast cell line
41	Emmett, Edward	University of Pennsylvania SRP	Use of Media to Communicate Site Risks and Potential Future Use: The Ambler BoRit Case Study
42	Enright, Heather	Lawrence Livermore National Lab	Development and Characterization of Primary Neuronal-Glial Networks
43	Faisal, Rayan	Michigan State University SRP	Genes for Biphenyl Degradation in <i>Sphingobium yanoikuyae</i> B1 Function in Dibenzop-dioxin but not Dibenzofuran Degradation
44	Feric, Zlatan	Northeastern University SRP	An Efficient Relational Database Management Framework Supporting the Puerto Rico Test site for Exploring Contamination Threats (PROTECT)

#	Name	Organization	Title
45	Frazar, Erin	University of Kentucky SRP	Developmental Progression of Polymeric Adsorbents for the Selective Removal of PFOA from Contaminated Aqueous Solutions
46	Fung, Samantha	University of Washington SRP	An Examination of Processes Influencing Vertical Flux of Arsenic from Lakebed Sediments
47	Furlong, Clement	University of Washington SRP	A Versatile Portable Surface Plasmon Resonance Biosensor System for Detecting Environmental Health Hazards
48	Gerhardstein, Ben	Agency for Toxic Substances and Disease Registry	Helping community members cope with the stress that environmental contamination can cause
49	Ghimire, Ajit	Louisiana State University SRP	Oxidation of PAHs based on the synergy of Environmentally Persistent Free Radicals (EPFRs) and Polyaromatic hydrocarbons (PAHs) in particulate matter
50	Gillespie, Kevin	University of Pennsylvania SRP	Secreted High Mobility Group Box (HMGB1) Proteoforms as Biomarkers of Asbestos Exposure
51	Gonzales, Melissa	University of New Mexico SRP	Abandoned Uranium Mine Wastes Exposure: Native Community Concerns and Information Needs for Risk Reduction
52	Gonzalez Estrella, Jorge	University of New Mexico SRP	Sorption mechanisms of uranium and arsenic onto limestone
53	Gui, Jiang	Dartmouth College SRP	Network-based regression model for associating environmental mixture data with birth weight
54	Guo, Chuqi	Louisiana State University SRP	Environmentally Persistent Free Radicals (EPFRs) on PM0.1 and PM2.5 Collected by Phytosampling Method and Their Health Impacts Evaluated Using BEAS-2B Cells
55	Gushgari, Sara	University of California, Berkeley SRP	Syntrophic interactions ameliorate arsenic inhibitions on the TCE-dechlorinating <i>Dehalococcoides mccartyi</i>
56	Gutierrez, Angela	University of Kentucky SRP	Reusable Adsorbents: Magnetic Nanocomposites for Contaminated Water Treatment
57	Hampton, Thomas	Dartmouth College SRP	ScanGEO.AI: Applying Machine Learning to Large Environmentally Relevant Gene Expression Data Sets
58	Haque, Ezazul	University of Iowa SRP	Lead (Pb) in soil, and blood of mothers and children in East Chicago (AESOP cohort): a community-need based study
59	Harper, Stacey	Oregon State University SRP	Interactive Research Translation and Collaborative Network Development: How Can OSU SRP Assist You?
60	Harris, Sean	University of Michigan SRP	Evaluating Superfund Toxicants for Association with Adverse Pregnancy Outcomes Using the Comparative Toxicogenomics Database (CTD)
61	Tompkins, Lindsay	University of Louisville SRP	UofL Superfund Research Center: Communicating and engaging across disciplinary, professional, and institutional boundaries
62	Tompkins, Lindsay	University of Louisville SRP	The Heart of the Matter: Research Translation with Youth in Louisville
63	Hawkey, Andrew	Duke University SRP	Parallel studies of developmental neurobehavioral toxicity of diazinon in zebrafish and rats
64	He, Feng	University of California, San Diego SRP	Role of ATF4 in the pathogenesis of non-alcoholic steatohepatitis (NASH) and hepatocellular carcinoma (HCC)
65	Heiger-Bernays, Wendy	Boston University SRP	Early life exposure and long term effects of Superfund chemicals in Southeastern Massachusetts and New Bedford Harbor: Boston University Superfund Research Program
66	Hershberger, Kathleen	Duke University SRP	Transgenerational effects of early-life arsenic exposure on mitochondrial function in <i>C. elegans</i>
67	Hogan, David	University of Arizona SRP	Mitigating human and environmental health risks of metals: resource recovery using biosurfactant-based ion flotation

#	Name	Organization	Title
68	Hojabri, Shirin	Northeastern University SRP	Electrochemical remediation: Reactive species transport computational modeling
69	Hsu, Kevin	Dartmouth College SRP	Adult mice exposed in utero to arsenic exhibit enhanced inflammation and injury after influenza A infection
70	Hua, Xiude	University of California, Davis SRP	Recombinant Fluorescent Peptide Tracers for Single-Step Immunodetection of Small Molecules
71	Huo, Jinqian	University of California, Davis SRP	Hapten Synthesis, Antibody Development, and a Highly Sensitive Direct Competitive Chemiluminescent Enzyme Immunoassay for Detection of Dicamba in Environment
72	Hurt, Robert	Brown University SRP	Graphene-Enabled Toxicant Barrier Technologies for Personal Protection
73	Hwang, Wei-Ting	University of Pennsylvania SRP	Characterization of asbestos associated mortality in Ambler, PA: Survival analysis and imputation methods
74	Ivanovski, Igor	Michigan State University SRP	Complex Interactions Between Degradation Pathways in the Dioxin Degradator <i>Sphingomonas wittichii</i> RW1
75	Jahnke, Jacob	University of Iowa SRP	PCB Emissions from Paint: Using the PUF-PES Method to Measure Volatilization
76	Johannes, Ashlee	University of Iowa SRP	Community Engagement in the Midwest: Where we were and where we are going
77	Joyce, Abigail	Duke University SRP	Flame retardant chemical screening of polyurethane foam samples from consumer products: Results from 2014-present
78	Kastleman, Catherine	Duke University SRP	A community-based social marketing approach to sharing information about fish consumption advisories in North Carolina
79	Kay, Jennifer	Massachusetts Institute of Technology SRP	Analysis of Genetic Susceptibility Factors for N-nitrosamine-Induced Genomic Instability and Cancer
80	Kirsch, Katie	Texas A&M University SRP	Engaged Environmental Science: Empowering Students and Communities Through Accessible Learning
81	Kirsch, Katie	Texas A&M University SRP	Applying Spatial Environmental Health Hazard Evaluation to Disaster-Related Contamination Events: Houston/Galveston Bay as a Case Study
82	Klingelhutz, Aloysius	University of Iowa SRP	PCB126-mediated disruption of adipogenesis blocks the thermogenic beiging response of adipocytes
83	Koempel, Annie	University of Kentucky SRP	Environmental Pollution Knowledge was Similar Among Youth Aged 5 -13 Years Old
84	Koike, Shinichiro	University of California, Davis SRP	Soluble epoxide hydrolase deficiency and pharmacological inhibition improve pancreatic islets function
85	Konkle, Stacey	University of Louisville SRP	Secular Trends in Ambient Volatile Organic Compound Levels, Biomarkers of Exposure and Associations with Cardiometabolic Syndrome: An Analysis of Data from the National Health and Nutrition Examination Survey and the National Monitoring Program
86	Kramer, Amber	Oregon State University SRP	Polycyclic aromatic hydrocarbon (PAH) oxidation during formation of secondary organic aerosol (SOA) particles: implications for human exposure to fine particulate matter (PM _{2.5})
87	Kullman, Seth	Duke University SRP	Low dose embryonic exposure to environmental toxicants which act on retinoic acid receptors disrupt behavioral function in zebrafish
88	Gu, April	Northeastern University SRP	Comparative Toxicity Assessment of DEHP, DEHP Metabolites in vitro and MEHP Using a Proteomics-based Yeast Stress Pathway Ensemble Library
89	Lebrec, Guillemette	University of California, Davis SRP	Identifying agricultural pesticides from tap water and household dust samples in Knights Landing utilizing GC-qTOF-MS and LC-qTOF-MS

#	Name	Organization	Title
90	Levin, Edward	Duke University SRP	Sex Differences in Developmental Neurotoxic Effects and Developmental Neurotoxic Effects on Sex Differences
91	Lewis, Johnnye	University of New Mexico, SRP	Translating research to action to understand risk in multicultural, multijurisdictional settings
92	Li, Dongyang	University of California, Davis SRP	Rapid and Sensitive Ex-Vivo Detection of Human Soluble Epoxide Hydrolase in Relation to Disease Status
93	Li, Zhenfeng	University of California, Davis SRP	Development of a VHH-based heterologous immunoassay for detection of 2,4-Dichlorophenoxyacetic acid in water samples
94	Lin, Yishan	Northeastern University SRP	Assessment of Hurricane Maria Impact on Drinking Water Quality in Puerto Rico and Exposure-Based Mixture Toxicity
95	Zaslavsky, Ilya	University of California, Davis SRP	Bioregional Science Gateway: constellation of environmental analytics, urban development, and data science

POSTER PRESENTATIONS

THURSDAY, NOVEMBER 29, 2018

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#	Name	Organization	Title
96	Loeffler, Frank	University of Tennessee SRP	Resolving the interplay between redox condition, corrinoid pool, and activity of corrinoid-auxotrophic dechlorinators
97	Malfatti, Michael	Lawrence Livermore National Laboratory	Comparative Pharmacokinetics of High and Low Doses of the Herbicide Propanil in Mice
98	Mancini, Michael	Texas A&M University SRP	Single cell analysis of EDC activity by multiplex high content analysis
99	Marlow, Thomas	Brown University SRP	Mining socio-environmental hazard data from historical directories
100	Marques, Emily	University of Rhode Island SRP	Targeted gene expression assays reveal markedly different gene expression and lipid accumulation profiles for perfluoroalkyl acid (PFAA) mixtures compared to single PFAA treatment in human hepatocytes
101	Martin, Shannon	Brown University SRP	Microglial and Macrophage Development and Function is Disrupted by Exposure to Perfluoroalkyl Substances
102	McGraw, Katlyn	University of Louisville SRP	Association of Volatile Organic Compound Exposure and Catecholamines
103	McHale, Cliona	University of California, Berkeley SRP	Identification of gene expression predictors of occupational benzene exposure
104	McHale, Cliona	University of California, Berkeley SRP	Key Characteristics Approach to Hazard Identification: Overview of the Collaborative Efforts of UC Berkeley SRP, Government Agencies, Industry, and Academia
105	McNulty, Reginald	University of California, San Diego SRP	Elucidating the Structure and Mechanism of Toxicant-induced Inflammasome Activation
106	McReynolds, Cynthia	University of California, Davis SRP	Fipronil induced cytotoxicity in chondrocytes: implications that fipronil exposures may contribute to osteoarthritis in dogs and man
107	Meeker, Jessica	University of Pennsylvania SRP	Upon EPA completion of Superfund site remediation: Community implications
108	Mello, Aline	University of California, Davis SRP	Soluble epoxide hydrolase is a potential therapeutic target for alcoholic steatohepatitis
109	Moya, Monica	Lawrence Livermore National Laboratory	3D models to understand neurotoxicity
110	Neville, Amber	University of Rhode Island SRP	Promoting private well water testing and PFAS education through traditional and social media outreach strategies
111	Nghiem, Athena	Columbia University SRP	Complexities of biogeochemical cycles in optimizing in-situ arsenic sequestration in the field
112	Nigra, Anne	Columbia University SRP	Dietary determinants of inorganic arsenic exposure in the Strong Heart Family Study
113	Oliveira, Ana	Brown University SRP	3-D Finite Element Modeling Tools for Vapor Intrusion Mitigation Techniques
114	Onel, Melis	Texas A&M University SRP	Grouping Complex Substances and Mixtures using Untargeted Exposomics Data
115	Pace, Clare	University of California, Berkeley SRP	Community-Engaged Research and the Human Right to Water in California: A Drinking Water Vulnerability Screening Tool for Domestic Well Communities
116	Pande, Paritosh	Oregon State University SRP	A Comparison of Acute Toxicity Prediction Using Random Forest and Deep Learning Based Methods
117	Paszek, Miles	University of California, San Diego SRP	Oxidative Stress is Correlated with Activation of the Constitutive Androstane Receptor in an Nrf2-Independent Manner in hUGT1 Mice
118	Petriello, Mike	University of Kentucky SRP	Effect of lifestyle based lipid lowering interventions on the relationship between circulating levels of per and poly fluorinated chemicals and serum cholesterol
119	Prossner, Kristen	Virginia Institute of Marine Science	Antibody-based biosensor technology for near real-time measurement of PAH contamination in individual bivalves

#	Name	Organization	Title
120	Qi, Wenji	Michigan State University SRP	Modeling Aryl Hydrocarbon Receptor-mediated Gene Regulatory Networks in the Human Liver
121	Rahman, Sheikh	Northeastern University SRP	Link Toxicogenomics Endpoints with Phenotypic Endpoints for Genotoxicity Assessment
122	Rardin, Laurie	Dartmouth College SRP	Community Engagement and Research Translation to Advance Arsenic Exposure Reduction in New Hampshire and Beyond
123	Reed, Eric	Boston University SRP	Identification and Classification of Chemical Metabolic Disruptors from Gene Expression Data via Flexible Procedures to Incorporate Toxicogenomic Study Designs
124	Ren, Wenjie	University of California, Davis SRP	Development of a nanobody/ nano-luciferase fusion and its application in one-step ultra sensitive competitive bioluminescent immunoassay for detection of Aflatoxin B1 in cereal
125	Rice, Brittany	University of Kentucky SRP	Protective Effects of Maternal Exercise on Male Offspring Born to Mothers Exposed to Polychlorinated Biphenyl 126 (PCB126)
126	Riggs, Daniel	University of Louisville SRP	Exposure to Volatile Organic Compounds Depletes Circulating Angiogenic Cells
127	Rios-McConnell, Rafael	Northeastern University SRP	Emotional Distress During Pregnancy & Birthweight Outcome: A Cohort Study in the Northern Karst Region of Puerto Rico
128	Rodriguez-Chavez, Tania	University of Arizona SRP	Characterization of Outdoor/Indoor Contaminant Transport by Atmospheric Aerosols at an Active Smelter Site in Arizona
129	Rodriguez-Medina, Elienisse	Northeastern University SRP	Contaminant Mixtures in Groundwater and Tap Water in Karst Regions
130	Roh, Taehyun	University of California, Berkeley SRP	Effect of Age at Exposure on Mortality Associated With Arsenic in Drinking Water
131	Rohlman, Diana	Oregon State University SRP	Laying the Groundwork for Comprehensive Disaster Research in the Face of Unknowns
132	Roper, Courtney	Oregon State University SRP	Chemical and Bioactivity Differences Due to PM2.5 Filter Extraction Methods
133	Rowe, James	Massachusetts Institute of Technology	Identifying Reaction Products of Polycyclic Aromatic Hydrocarbon (PAH) Particles: Photolysis and Heterogeneous Reaction
134	Saktrakulkla, Panithi	University of Iowa SRP	A Statistical Model for Predicting the Relative Responses of Unidentified OH-PCBs
135	Sanchez, Tiffany	Columbia University SRP	Urinary Metals and Metal Mixtures in Bangladesh: Exploring Environmental Sources in the Health Effects of Arsenic Longitudinal Study (HEALS)
136	Sanku, Rajesh Kishore Kumar	University of Pennsylvania SRP	Glycosylated high mobility group box (HMGB1) 1 as a potential mesothelioma biomarker
137	Schaider, Laurel	University of Rhode Island SRP	PFASs in Cape Cod Bay Estuaries and Associations with Land Use, Conventional Water Quality Parameters, and Organic Wastewater Compounds
138	Schkoda, Stacy	Duke University SRP	Exploring the molecular signature of aryl organophosphate esters in osteogenic differentiation of human mesenchymal stem cells
139	Sears, Clara	Brown University SRP	Towards intervention and prevention: Using public environmental history to explore the legacy of historical manufacturing
140	Seelen, Emily	Dartmouth College SRP	A statistical evaluation of the predictive variables for methylmercury concentrations across a range of mercury impacted estuarine ecosystems
141	Shah, Rishabh	University of Kentucky SRP	Development of Novel Crosslinked Polymers for the Capture and Sensing of Environmental Pollutants
142	Shankar, Prarthana	Oregon State University	Combination of developmental toxicity and transcriptomic

#	Name	Organization	Title
		SRP	analyses in zebrafish to classify polycyclic aromatic hydrocarbons (PAHs)
143	Sibakoti, Tirtha	University of Louisville SRP	Aminoxy-Functionalized Aminothiols as Ligands for Gold Nanoparticle Chemiresistors
144	Signes-Pastor, Antonio Jose	Dartmouth College SRP	Prenatal exposure to metal mixture and birth outcomes in a population from the New Hampshire Birth Cohort Study
145	Sirish, Padmini	University of California, Davis SRP	Human-included pluripotent stem cell-derived cardiomyocytes as a model platform to study the toxicity of Superfund chemicals
146	Sobel, Marisa	Columbia University SRP	Relationship Between Well Water Arsenic and Uranium in Mid-Western Native Lands
147	Stermer, Angela	Brown University SRP	Water versus gavage exposure to trichloroethylene causes differential toxicity and histone H3K4me2 marks in PKA signaling in rat sperm
148	Stewart, Benjamin	Lawrence Livermore National Laboratory	Parallel Accelerator Mass Spectrometry-Molecular Mass Spectrometry for Environmental Health Applications
149	Su, Anthony	Northeastern University SRP	Characterization of the effects of the trichloroethylene metabolite S-(1,2-dichlorovinyl)-L-cysteine on redox status in a human placental trophoblast cell line (BeWo)
150	Sule, Rasheed	University of California, Davis SRP	Monitoring Oxidative Stress and Cardiac Toxicity cause by exposure to Chemicals
151	Sun, Mohan	University of California, Berkeley SRP	Effects of salt perturbation on a defined Dehalococcoides mccartyi-containing dechlorination consortium
152	Thompson, Marcella	Brown University SRP	Community-Engaged Tribal Research to Assess Dietary Exposures to Mercury and PCBs
153	Tinkelman, Naomi	Columbia University SRP	Associations of parental arsenic exposure with adult fasting glucose and insulin resistance in the Strong Heart Family Study
154	Tiwari, Shuchita	University of California, Davis SRP	Improving Western Blotting Sensitivity for Detection of Intracellular Changes caused by Xenobiotics
155	Trine, Lisandra	Oregon State University SRP	Quantification, developmental toxicity and risk assessment of PAH derivatives after SEE remediation of creosote contaminated soil from the Wyckoff/Eagle Harbor Superfund site
156	Unger, Michael	Virginia Institute of Marine Science	The application of a monoclonal antibody-based biosensor for the rapid assessment of PAH distribution, fate and toxicity
157	Van Buren, Jean	University of California, Berkeley SRP	Ring-cleavage products from advanced oxidation of alkylbenzenes
158	Van Geen, Alexander	Columbia University SRP	Declining exposure of Health Effects of Arsenic Longitudinal Study (HEALS) cohort over 18 years: Causes and consequences
159	Vandiver, Kathleen	Massachusetts Institute of Technology SRP	RTC/CEC Year One Highlights from MIT's Superfund Research Program
160	Vigliaturo, Ruggero	University of Pennsylvania SRP	Mineralogical Controls on Asbestos Bioremediation
161	Volkoff, Savannah	Duke University SRP	Biostimulation of a Mixed-Community Biofilm isolated from PAH-contaminated Estuarine Site
162	Wahlang, Banrida	University of Louisville SRP	Sex differences in environmental liver disease vary by pollutant type: Volatile Organic Compounds vs. Persistent Organic Pollutants
163	Wan, Debin	University of California, Davis SRP	Vitamin D metabolic profiling beyond 25-hydroxyvitamin D to study human diseases
164	Wan, Hongyi	University of Kentucky SRP	Functionalized membranes with Pd/Fe bimetallic nanoparticles: from bench scale dechlorination to water remediation applications

#	Name	Organization	Title
165	Wang, Meichen	Texas A&M University SRP	Toxin Enterosorbents for Inclusion in Food and Water During Emergency and Natural Disasters
166	Wang, Hao	University of Washington SRP	Cadmium exposure impairs adult neurogenesis, cognition and olfactory memory in mice
167	Wang, Yulong	University of California, Davis SRP	Lateral-flow copper sensor utilizing catalytic and molecular beacon signal amplification
168	Wang, Chunyan	University of Kentucky SRP	PCB 126 Induces Macrophage Polarization and Inflammation through AhR and NFκB pathways
169	Wang, Hui	University of Iowa SRP	Do Indoor Polychlorinated Biphenyls (PCBs) provoke Adverse Effects to School Children? A Toxicity Assessment of Subchronic Inhalation Exposure to an Indoor School Air Mixture (SAM) of PCBs
170	Warczak, Todd	Dartmouth College SRP	Arsenic Detoxification in Plant Roots: Identifying Arsenic Effluxers
171	Watkins, Deborah	Northeastern University SRP	Associations between Organophosphate Flame Retardant Exposure during Pregnancy and Reproductive and Thyroid Hormone Levels – A Preliminary Analysis
172	Wheeler, Jamar	University of Louisville SRP	The Role of Community Engagement in Building a Transdisciplinary Superfund Research Center
173	Wortzel, Jeremy	University of Pennsylvania SRP	Historic Cohort Study of asbestos exposure in Ambler Pennsylvania: methodology and exposure analysis
174	Xie, Shuai	Brown University SRP	Measure VOC indoor concentration at Rhode Island VI sites and the dynamic impact by building material
175	Xie, Zhenzhen	University of Louisville SRP	Detection of Toxic Volatile Organic Compounds by Thiol Functionalized Gold Nanoparticle Chemiresistor
176	Yamamoto, Gen	University of California, San Diego SRP	IL-17A-Dependent Cholesterol Synthesis Is Required for Hepatocellular Carcinoma Growth in Alcohol-Fed Mice
177	Yang, Huijuan	University of California, Davis SRP	Development of a highly sensitive immunoassay based on a novel self-associating nanobody-COMP-NanoLuc pentamer for the detection of sulfadimethoxine
178	Yang, Jun	University of California, Davis SRP	A common antimicrobial additive increases colonic inflammation and colitis-associated colon tumorigenesis in mice
179	Yao, Yijun	Brown University SRP	Vapor intrusion risk assessments in brownfield redevelopment, a model-based strategy
180	Yu, Siyu	Texas A&M University SRP	A Performance Tool for Measuring Health Impacts of Urban Green-Infrastructure
181	Yu, Qi	University of California, San Diego SRP	Toxic heavy metal and arsenic monitoring and mitigation at an urban community garden in Southeastern San Diego
182	Yuan, Qi	Michigan State University SRP	Humic acid does not diminish the bioavailability of 2,3,7,8-tetrachlorodibenzo-p-dioxin to mice
183	Zeff, Harrison	University of North Carolina, Chapel Hill SRP	Developing a comprehensive financial strategy to fund rapid coastal remediation in the wake of an extreme storm
184	Zhao, Yuwei	Northeastern University SRP	Electrogeneration of H ₂ O ₂ on a PTFE-Graphite felt cathode with a dampproof coating in flow through reactor
185	Zhao, Yun	University of California, Berkeley SRP	Genome-wide Screening of Formaldehyde Toxicity by CRISPR-Cas9
186	Zhao, Cunyi	University of California, Davis SRP	Development of sensitive and portable nanofibrous-biosensors for detection of trace toxicants
187	Zhou, Jiajun	Michigan State University SRP	Lymphocyte-specific Protein Tyrosine Kinase (LCK) Plays a Significant Role in Aryl Hydrocarbon Receptor (AHR)-mediated Suppression of the Immunoglobulin M (IgM) Response in Human CD5+ Innate-like B Cells (ILBs)
188	Ghetu, Christine	Oregon State University SRP	Assessing flux of PAHs across sediment-water and water-air phases at a legacy creosote site in The Pacific Northwest, US
189	Shirazi, Elham	University of Kentucky SRP	Indoor Air Exposure Risk Modeling Approach: Combining Atmosphere, Subsurface and Building Spaces

TECHNOLOGY FAIR: P42 AND SMALL BUSINESS INNOVATIVE RESEARCH DEMONSTRATION TABLES

WEDNESDAY, NOVEMBER 28, 2018

REGENCY FOYER

#	Name	Organization	Title
Table 1	Anderson, Kim	Oregon State University	Silicone wristbands and passive sampling devices (PSDs) for personal monitoring and assessing bioavailability
Table 2	Bhattacharyya, Dibakar	University of Kentucky	Advancing Water Remediation Technologies by Responsive Membranes
Table 3	Hornbuckle, Keri	University of Iowa	Passive Air Samplers (PUF-PAS and a PUF-PES) to discover emissions of non-Aroclors
Table 4	Hurt, Robert	Brown University	Graphene-Enabled Toxicant Barrier Technologies for Personal Protection
Table 5	Lohmann, Rainer	University of Rhode Island	Development of passive samplers to detect PFASs and their precursors in air and water

THURSDAY, NOVEMBER 29, 2018

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#	Name	Organization	Title
Table 1	Boxley, Chett	GlycoSurf, LLC	Novel Rhamnolipid Surfactants for (Recovery of Critical Elements and) Remediation of Metal Contaminated Waste Streams
Table 2	James, Jay	Picoyune	Plasmonic mercury analyzers for field monitoring of vapor, liquid, and solid samples.
Table 3	Miller, Anthony	Entanglement Technologies, Inc.	AROMA-VOC real-time chemical vapor analyzer
Table 4	Peterman, Mark	OndaVia, Inc.	Raman spectroscopy for environmental monitoring
Table 5	Shirazi, Fatemeh	Microvi Biotech Inc.	Biocatalytic degradation of 1,2,3-trichloropropane for achieving extremely low regulatory limits