



SENSORS & TECHNOLOGIES FAIR

Tuesday, December 6, 2016

1. **National Priorities List Superfund Footprint Mapper: Site, Population, and Environmental Characteristics**, Sandra Baptista, *Columbia University*
2. **DERBI: A digital tool for reporting personal exposure results to participants**, Julia Brody, *Silent Spring Institute*
3. **RemRX**, Alexis Carpenter, *AxNano*
4. **Rutgers Electrostatic Passive Sampler (REPS): Development and Field Testing**, Gedi Mainelis, *Rutgers University*
5. **Non-invasive in vivo X-ray Fluorescence and Neutron Activation Analysis Technology to Quantify Metals in Human Tissue**, Linda Nie, *Purdue University*
6. **PROTECT's Electrochemical Reactor for Remediation of Contaminated Groundwater**, Ljiljana Rajic, *Northeastern University*
7. **Passive Particle Monitor**, Gretchen Gehrke, *Public Lab*
8. **FrackMap: Building a Geo-spatially Based Nexus of Research Publications and Perceptions Related to Hydrofracturing**, Ann Backus, *Harvard University*
9. **ARISense**, Eben Cross, *Aerodyne Research, Inc.*
10. **Non-Selective Passive Sampling Technology**, Kelly O'Neal, *North Carolina State University*
11. **Plasmonic Mercury Sensor**, Jay James, *Picoyune*
12. **Participatory Online Communication and Engagement Tools for Environmental Health Science Data**, Ilya Zaslavsky, *University of California, San Diego*
13. **OpenAQ Platform**, Christa Hasenkopf, *OpenAQ*
14. **Field Deployable Vapor Intrusion Monitor**, Bikas Vaidya, *Lynntech*
15. **ExpsomeDB**, Chirag Lakhani, *Harvard University*
16. **In Vitro Lung Cell Instrument**, William Vizuete, *University of North Carolina, Chapel Hill*



The Environmental Health Science FEST

Wednesday December 7, 2016

17. **Personal Ozone Monitor™ (POM™)**, John Birks, *2B Technologies*
18. **MicroPEM Aerosol Exposure Monitoring Platform**, Jonathan Thornburg, *RTI International*
19. **Modular Monitors for Particulates, Black Carbon, PAHs/VOCs and Bioaerosols for Public Health Studies**, Jeffery Blair, *AethLabs*
20. **Devices and Advanced Components for Fixed and Wearable Personal Exposure Monitoring of Ozone and Related Inhalation Hazards**, Michael Carter, *KWJ Engineering, Inc.*
21. **Personal Airborne Particulate Sampling Device**, Joseph Caruso, *Wayne State University*
22. **Towards Point-of-Care Management of Chronic Respiratory Conditions: Electrochemical Sensing of Nitrite Content in Exhaled Breath Condensate Using Reduced Graphene Oxide**, Clifford Weisel, *Rutgers University*
23. **AROMA TCE Analyzer**, Bruce Richman, *Entanglement Technologies*
24. **Wristband Chemical Sampler**, Kim Anderson, *Oregon State University*
25. **Science Take-Out: Environmental Health Education in a Bag!**, Katrina Smith Korfmacher, *University of Rochester*
26. **Low-Cost Personal Aerosol Sampler and Sensor System**, Charles Henry, *Colorado State University*
27. **Nanofiber Based VOC Sensor for Vapor Intrusion Applications**, Li Han, *RTI International*
28. **Pocket-sized Device for Personal Exposure**, Francis Tsow, *TF Health*
29. **Mobile Environmental Exposure Personal Sensors (MEEPS)**, Krishna Naishadham, *Wi-Sense LLC*
30. **Micro-Well Aerosol Collector for In-Situ Sample Analysis**, Igor Novosselov, *University of Washington*
31. **Real-Time Methodology for Manganese Analysis in Blood and Water**, Ian Papautsky, *University of Illinois at Chicago*
32. **Validation of Environmental Sensors for Personal Monitoring and Citizen Science Studies**, Edmund Seto, *University of Washington*
33. **Personal Ultrafine Particle Counter**, Sang Young Son, *Enmont LLC and the University of Cincinnati*