

NIEHS Virtual Technology Fair for Small Business Grantees (Remediation and Detection Technologies)

Agenda

Wednesday, December 16, 2020

All times Eastern Standard Time

1:00 – 1:05 p.m. Introduction

1:05 – 2:35 p.m. Tools for Detection or Remediation of Organic Chemicals

- **AxNano LLC**

Hydraulic Fracturing of Controlled Release Oxidants for Remediation of Low Permeability Zones

Presenter: Alexis Carpenter

- **Bluegrass Advanced Materials LLC**

Development of Smart Flocculants for the Treatment of PFAS Contaminated Water

Presenter: Angela Gutierrez

- **CycloPure Inc.**

Remediation of Perfluorinated Chemicals in Water Using Novel High-Affinity Polymer Adsorbents

Presenter: Eddie Vitaku

- **EnChem Engineering Inc.**

Combined In-Situ/Ex-Situ Remediation of PFAS at Hazardous Waste Sites

Presenter: Raymond Ball

- **Lynntech Inc.**

Continuous Removal/Disposal System for the Concurrent Sorption and Breakdown of Contaminants Into Harmless Precipitates

Presenter: Sanil John

- **Microbial Insights Inc.**

Expanding the Tool Box: Environmental Metabolomics Improves Decision-Making and Management of Contaminated (Superfund) Sites

Presenter: Dora Taggart

- **Microvi Biotechnologies Inc.**

High-Throughput Biocatalyst Manufacturing for Environmental Biotechnology

Presenter: Fatemeh Shirazi

- **RemBac Environmental LLC**

Development of an Innovative Approach for In-Situ Treatment of PCB Impacted Sediments by Microbial Bioremediation

Presenter: Craig Bennett Amos

- **Statera Environmental Inc.**

Composite Integrative Passive Sampler (CIPS)

Presenter: Damian Shea



2:35 – 2:45 p.m. Break

2:45 – 3:55 p.m. Tools for Detection or Remediation of Metals and Metalloids

- **GlycoSurf LLC**

Rhamnolipid-Based Remediation Technologies for Uranium and Rare Earth Element Contamination

Presenter: Chett Boxley

- **Microvi Biotechnologies, Inc.**

Intensified, High-Rate Reductive Immobilization of Hexavalent Chromium

Presenter: Ameen Razavi

- **NanoAffix Science LLC**

Graphene-Based Nanosensor Device for Rapid, On-Site Detection of Total Lead in Tap Water

Presenter: James Hill

- **OndaVia Inc.**

Semi-Continuous, Online Monitoring of Selenium in Coal-Fired Power Plant Wastewater

Presenter: Mark Peterman

- **Picoyune**

Plasmonic Mercury Sensor and Wearable Gas Detector

Presenter: Jay James

- **PowerTech Water LLC**

Targeted Lead (Pb) Removal for Drinking Water Purification Using INCION

Presenter: Lindsay Boehme

- **Stemloop Inc.**

A Paper-Based Synthetic Biology Platform for the On-Demand Testing of Water Quality

Presenter: Khalid Kamal Alam

3:55 – 4:00 p.m. Concluding Remarks – Heather Henry, NIEHS