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The Chesapeake-Potomac and Hudson-Delaware Regional Chapters of SETAC held a joint 2022 spring meeting on April 11th and 12th at the FMC Stine Research Center in Newark, Delaware. The chapters welcomed nearly 100 registrants from academia, business, and government for the in-person meeting. In addition, there were 5 registrants who were granted permission to participate virtually. The 2-day event was packed with scientific programs, field trips, short courses, and tours of the FMC greenhouses. Early arrivers gathered on Sunday, April 10th, at the Delaware Humane Association (Riverfront East side) for a guided tour of the Wilmington Wetlands led by Marian Young, President of BrightFields, Inc. The attendees visited several locations where BrightFields is performing environmental work to restore brownfield properties in collaboration with the Delaware Department of Natural Resources and Environmental Control. The tour was then treated to a visit to the Russell W. Peterson Urban Wildlife Refuge and the South Wilmington Wetland Parks which is not yet open to the public.



On Monday, participants filled the conference room at the FMC Stine Research Center for a daylong scientific program. The in-person attendance was very strong, especially after the two-year Covid-19 pandemic. Dr. Dominic Di Toro (University of Delaware) delivered the keynote address, discussing the “Second Generation models of Environmental

Partitioning and Toxicity: The End of the Age of Octanol.” The first day's scientific program also included a short course on “Designing a robust and spatially representative long-term monitoring program” by Dr. Ying Wang and Dr. Kenneth Takagi of WSP.



Posters were displayed on the second floor with topics covering the toxicity of traditional persistent contaminants such as metals to emerging contaminants such as Per- and



Polyfluoroalkyl Substances (PFAS) and microplastics. A rapid-fire poster session was held in the afternoon. Each presenter was given 5 minutes to describe their poster. This was a very lively event and all the students (including those who gave platform presentations during the day) are commended for their enthusiasm. While it was a hard choice, student awards for first, second, and third place were given for both poster and platform presentations. In addition, 8 students received travel awards of \$100. The day ended with evening social and dinner at Klondike Kates.

Platform				
	First Name	Last Name	Institute	Title
1st	Kristen	Prossner	Virginia Institute of Marine Science	Rapid measurement of PAH contamination in oysters using novel antibody-based biosensor technology
2nd	Anthony	Sigman-Lowery	University of Delaware	Physicochemical and Dissolved Organic Matter Properties of Novel Brominated Flame Retardants
3rd	Jada	Damond	University of Maryland, Baltimore County	Measuring In-Situ Surface Water Methylmercury Concentrations Using a Novel Equilibrium-Based Passive Sampler

Poster				
	First Name	Last Name	Institute	Title
1st	Carolyn	Willmore	University of Mary Washington	Assessing the Presence and Concentration of Anthropogenic Contaminants Near the Crows Nest Natural Area Preserve (Stafford, VA)
2nd	Sophia	Weldi	University of Mary Washington	Comparing the Impacts of Common Deicing agents NaCl and MgCl ₂ on the Viability, Embryonic Development, and Behavior of the Freshwater Gastropod <i>Physa acuta</i>
3rd	Abdullah	Al-Amin	Temple University	The effects of dissolved organic carbon (DOC) on metal dynamics in stormwater bioretention bed

On the second day, some attendees started the day bright and early at 6:30 am by participating in a Morning Bird Walk led by several staff from FMC. The second day's scientific program started with a short course on Hazardous Waste and Superfund – a primer and a trainee's research experience in Texas by Dr. Krisa Camargo of Texas A&M University. The platform presentation



topics ranged from aquatic toxicity testing to tracking PCB contamination source using passive samplers.

The second day ended with an outdoor short course led by Don Nazario (Normandeau Associates) and Dr. Dan Millemann (NJDEP) on field methods for assessing stream

health. Participants had a hands-on opportunity to collect freshwater macroinvertebrates for identification and sediment samples via vibracoring. The methodologies presented are two of several tools available to scientists to assess the health of streams, their aquatic communities, and the possible contamination of a site by pollutants. Check out your local watershed association for opportunities to monitor stream water quality in your own backyard.

The meeting was made possible due to many generous donations from our sponsors, including FMC, Eurofins, Exponent, Exxon Mobil, The ELM group, Terraphase, Verdantas, ASI, WSP, and Normandeau Associates, Integral consulting inc., Wellington laboratories, Tetra Tech, Environmental & Turf Services Inc., and the many volunteers who donated their time to help make the meeting a tremendous success.



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