

# Virginia Annual Harmful Algae Bloom (HAB) Task Force Meeting

Friday February 24, 2023 - 9am-3pm

## AGENDA

The meeting will be recorded. For agenda, speaker bios, presentation pdfs and a recording of the meeting, visit:

<https://www.vdh.virginia.gov/waterborne-hazards-control/2022-hab-task-force-meeting/>

- 8:30 **ZOOM virtual meeting opens** –link accessed from [registration](#)
- 9:00 **Welcome; Virginia’s Annual HAB Task Force Meeting** Kim Reece, Chair, Department of Aquatic Health Sciences, Virginia Institute for Marine Science (VIMS) and Danielle Schools, Director of Division of Shellfish Safety and Waterborne Hazards, Virginia Department of Health (VDH)
- 9:20 **VIMS Smith Lab Recap 2022 – Speed Talks**  
**Optimization of SPATT production method and determination of storage viability** Joshua Garber, Graduate Student  
**Comparison of Intra and Extracellular Diarrhetic Shellfish Toxins and Pectenotoxins in the York River from 2018 – 2022** Vanessa Strohm, Graduate Student, and **Effects of low-level exposure to HAB toxins (PTX2, YTX, and AZA) on the larval life stage of the eastern oyster *Crassostrea virginica*** Nour Ayache, Assistant Scientist, Department of Aquatic Health Sciences, VIMS
- 9:35 **ODU Mulholland Lab Marine Recap 2022** Margaret Mulholland, Professor, Department of Ocean, Earth and Atmospheric Sciences, Old Dominion University (ODU)
- 10:00 **VDH Marine Biotoxin Recap 2022** Todd Egerton, Marine Science Supervisor, Office of Environmental Health Services, Division of Shellfish Safety and Waterborne Hazards, VDH
- 10:25 **VIMS Reece Lab Marine Recap 2022** Kim Reece, Chair, Department of Aquatic Health Sciences, VIMS
- 11:00 **ODU Mulholland Lab Freshwater Recap 2022** Leah Gibala-Smith, Supervisor, Phytoplankton Analysis Laboratory, ODU
- 11:25 **VDH Freshwater Advisory & Alert Recap 2022** Margaret Smigo, Waterborne Hazards Program Coordinator, Office of Environmental Health Services, Division of Shellfish Safety and Waterborne Hazards, VDH

12:00 - 1:00pm Lunch Break

- 1:00 **Overview of Virginia DEQ Harmful Algae Bloom Monitoring; Planning for the 2023 Recreational Season** Andrew “Drew” Garey, Water Quality Team Lead, Department of Environmental Quality (DEQ)
- 1:25 **Potomac Basin Freshwater HABs: Areas of interest and lessons learned** Gordon “Mike” Selckmann, Associate Director of Aquatic Habitats, Interstate Commission on the Potomac River Basin (ICPRB)
- 1:50 **VIMS, ODU, VCU – Laboratory Updates on Projects and Research**  
**VIMS - Reece Lab - Exposure of the eastern oyster, *Crassostrea virginica*, to *Alexandrium monilatum*: toxicity pathway, histopathology and gene expression** Sylvain Gaillard, postdoctoral researcher, Department of Aquatic Health Sciences, VIMS  
**VIMS - Smith Lab - Next steps in 2023** Juliette Smith, Associate Professor, Department of Aquatic Health Sciences, VIMS  
**ODU - Mulholland Lab - Expanding capacity for biotoxins analysis and imaging technologies** Leah Anne Gibala-Smith, Supervisor, Phytoplankton Analysis Laboratory, ODU  
**VCU – Zimba Lab - The PVZimba lab, the newest addition to Rice River Center/VCU's HAB team** Paul Zimba, Research Faculty, VCU Rice Rivers Center, Dept of Biology, Virginia Commonwealth University (VCU)
- 2:55 **Closing Remarks** Kim Reece (VIMS)
- 3:00 **Adjourn**