



Chesapeake
OYSTER ALLIANCE
10 Billion for the Bay

2024 Chesapeake Oyster Science Symposium

Thursday, October 3, 2024 | 10:30 AM – 4:00 PM EST

Broadcast Live on Zoom from Chesapeake Bay Foundation's
Brock Environmental Center, Virginia Beach, VA

- 10:45 – 11:00 AM **Welcome**
Tanner Council, Chesapeake Bay Foundation
- 11:00 – 12:00 PM **Panel 1 – Opening Salvo: Is Shellfish Aquaculture Restoration?**
Moderator: Bill Walton, Virginia Institute of Marine Science
Panelists:
Alex Lambert, Lambert Shellfish
Bo Lusk, The Nature Conservancy
Adriane Michaelis, Virginia Institute of Marine Science
Brian Russell, Shore Thing Shellfish
- 12:00 – 12:30 PM **Lunch Break**
- 12:30 – 1:00 PM **Lightning Round – Rapid Fire Talks by Young and Emerging Scientists**
Oyster Soundscapes in Chesapeake Bay
Ryan Hepler, Virginia Tech
Innovating Oyster Restoration: Designing Sustainable, Community-Driven Solutions for Resilience
Drew Keeley, Natrx
Investigating the Response of the Eastern oyster to Low Dissolved Oxygen Conditions
Abiola Obafemi, University of Southern Mississippi
Larval Carry-Over Effects of Water pH Buffering on Crassostrea virginica Spat
Katie Riggelman, Washington College/Horn Point Oyster Hatchery
- 1:00 – 1:50 PM **Panel 2 – Spawning Success: Innovations in Hatcheries**
Moderator: Phillip Plack, Annapolis Oyster Company
Improving Spat Management Practices
Jackie Shannon, Chesapeake Bay Foundation
Homegrown Commercial R&D - Challenge and Opportunity
Sam Glover, Oyster Seed Holdings
Hatchery Production for Restoration: A Commercial Perspective
Chris Smith, Mobjack Bay Seafood

- 1:50 – 2:00 PM Break
- 2:00 – 2:50 PM **Panel 3 – Novel Oyster Tech: From Fantasies to Findings**
Moderator: Chris Moore, Chesapeake Bay Foundation
Data Driven Decisions in Shellfish Farm Management
 Matt LaGanke, Virginia Institute of Marine Science
Automating Oyster Aquaculture Using the Sun
 Steve Pattison, Solar Oysters
Advanced Video Techniques for Quantifying Oyster Reef Performance and Secondary Production
 Rom Lipcius, Virginia Institute of Marine Science
- 2:50 – 3:00 PM Break
- 3:00 – 4:00 PM **Panel 4 – Guardians of the Reef: Advances in Oyster Sanctuaries**
Moderator: Jen Sagan, Friends of the Rappahannock
Influence of Environment and Oyster Management on Chesapeake Oyster Reefs
 Matt Ogburn, Smithsonian Environmental Research Center
Reef Restoration for Water Quality and Ecosystem Enhancement Markets
 Jordan Shockley, Blue Oyster Environmental
Breaking the Mold in Reef Design
 Heather Lockwood, U.S. Army Corps of Engineers
- 4:00 PM **Conclusion**

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