

ENVIRONMENTAL INSIGHTS

NEWS FROM THE UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE



REEF Program Celebrates 10 Years!

This year marks the 10 year anniversary of the **Ratcliffe Environmental Entrepreneur Fellow** (REEF) program, based at IMET, which is why dozens of program alumni (pictured above) came out to Baltimore on September 10 to celebrate! Started as a commitment to bringing science out of the lab and into the surrounding locale, REEF offers participants insight into the business side of scientific inquiry, combined with on-the-job training and mentorship by industry subject matter experts. The program, which meets one weekend each month during the academic year, is available to all IMET and UMCES graduate students, FRAs and post-docs.

"Taking science exploration beyond the bench requires a significant level of vision and passion, an endeavor that is complex and requires a different set of skills," said REEF Director, **Nina Lamba**. "Scientists need to be adaptable and creative, so understanding science through an entrepreneurial framework will be essential. **MORE**



Rethinking How We Clean Up Carbon

Efforts to reduce greenhouse gas emissions are paramount. However, some approaches risk intensifying other environmental challenges, the global nitrogen cycle, for example. Nitrogen serves as a critical input in the production of food, bioenergy and materials, but too much reactive nitrogen contributes to air and water pollution as well as greenhouse gas production. **Xin Zhang**, UMCES Professor at AL and director of the Global Nitrogen Innovation Center for Clean Energy and the Environment, collaborated with a geographically diverse team to produce the first comprehensive review of what is known about the potential trade-offs and synergies between decarbonization and the nitrogen cycle. [MORE](#)



CBL Hosts 2024 Annual Open House

On Saturday, September 7, the Chesapeake Biological Laboratory (CBL) hosted its annual open house. Attendees of all ages took part in hands-on activities and discovered what UMCES scientists have been doing to help restore the surrounding ecosystem in addition to educating the public on fisheries science, environmental chemistry and toxicology. [MORE](#)



UMCES Hosts the USM Board of Regents

UMCES President **Fernando Miralles-Wilhelm** was pleased to host the University System of Maryland Board of Regents meeting on September 20 at IMET in Baltimore. Appointed by the governor, president of the senate and the speaker of the house, the Regents oversee USM's academic, administrative and financial operations; formulate policy; and appoint the USM chancellor and the presidents of the system's 12 institutions. Many thanks to the Board for their interest in, and support of, the important research taking place across UMCES. [MORE](#)

REMINDER: Upcoming October Events

- The **Horn Point Laboratory** in Cambridge will open its doors on **Saturday, October 12, from 11:00 AM - 4:00 PM**. Family-friendly, free! [Follow this link](#) to learn more.

- [Science for the Community](#) seminars at CBL are back! Join us **Tuesday evenings in October at 7:00 PM**, either in-person or via Zoom, to hear faculty members discuss the many environmental challenges faced around the globe. [Follow this link](#) for the line-up and to register.

UMCES in the News

[Can these underwater habitats ‘make humans aquatic?’](#) (CNN)

[Maryland Lawmakers Announce Over \\$10 Million for Chesapeake Bay Restoration](#) (WBOC TV)

[A vital ocean current is stable, for now](#) (Science News)

[Baltimore Is Investing in Wetlands Restoration, a Climate Line of Defense](#) (InsideClimate News)

[For a renewed Chesapeake Bay, in oysters we trust](#) (Baltimore Sun)

[Do birds have migration buddies? A new study shows surprising connections between species](#) (National Geographic)

[Chesapeake Bay is cleaner but will miss 2025 pollution targets, Maryland Lawmakers say](#) (Maryland Matters)

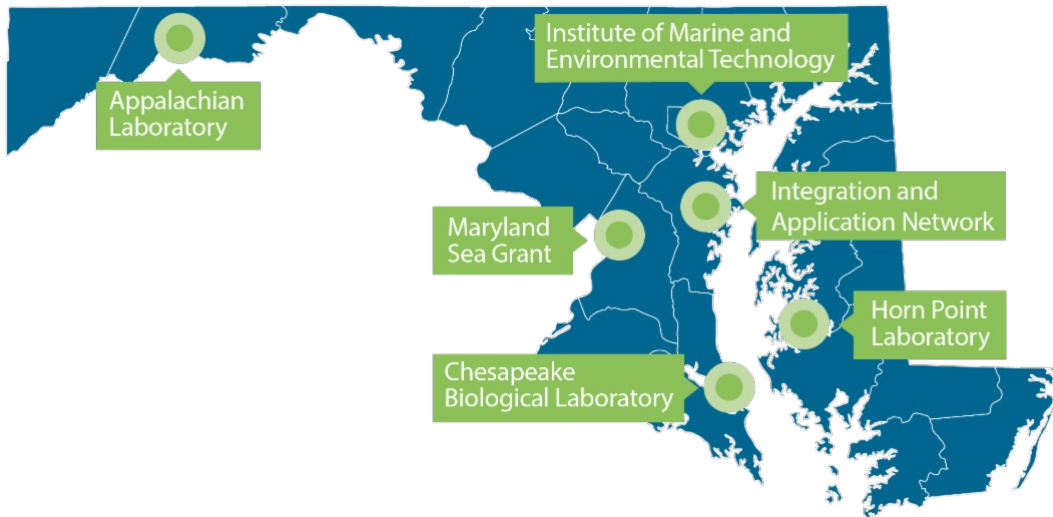
[Houston's weather could end up feeling like Mexico's. Maps show possible climate scenarios](#) (Houston Chronicle)

[Social or solitary? The secret lives of migratory songbirds](#) (WYPR All Things Considered/Science Friday)

[Albany's weather could end up feeling like Arkansas's. Maps show possible climate scenarios](#) (Times Union)

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