

Lab Lines

OCTOBER 2016

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On September 10, the University of Maryland Center for Environmental Science (UMCES) unveiled a new state of the art building dedicated to the lab's founding director, Reginald Truitt. Read more about this article at <http://www.umces.edu/cbl/project/new-research-facility-honors-legendary-maryland-environmental-scientist-reginald-truitt> on page 2 under Development.

RESEARCH & AWARDS

Dr. Mario Tamburri received a new award from the USDOT, Maritime Administration (September 1, 2016 through December 31, 2018). The title for this project is: *Upgrade, Maintenance and Operation of the MERC Barge Based Mobile Test Platform*.

Dr. Solange Filoso received a notice of award from the Chesapeake Bay Trust (July 1, 2016 through May 31, 2018). The title for this project is: *Evaluating the Effectiveness and Sustainability of Novel Stream Restoration Designs for Coastal Plain Streams in Maryland: Integrating Existing and New Data from Stream Restoration Monitoring*.

Dr. Jackie Grebmeier received additional funds from the National Science Foundation (NSF) project ending August 31, 2017. The title for this project is: *Collaborative Research: The Distributed Biological Observatory (DBO) - A Change Detection Array in the Pacific Arctic Region Year 4*.

Dr's. Jeremy Testa, Lora Harris and Thomas Miller were awarded a NSF award (September 15, 2016 through August 31, 2017). The title for this project is: *Enhancing the capabilities and integration of a long-term marine biological monitoring program*.

RESEARCH & AWARDS CONT...

Dr. Andrew Heyes received an award from Maryland Department of the Environment (MDE) (September 1, 2016 through September 1, 2017). The title for this project is: *Investigation of the Concentration of Trace Contaminants in the Sediments and Biota in the Vicinity of Hart-Miller Island.*

Dr. David Secor received additional funds from NSF (WHOI) (2014 - December 31, 2017). The title for this project is: *International Council for the Exploration of the Sea: Travel Support for Academic Participants.*

STUDENT AWARDS

Congratulations to Hadley McIntosh who will be receiving a research grant from the American Geophysical Union in December.

WHO'S ON TRAVEL?

Hali Kilbourne, Johan Schijf, and Khare Agraj traveled in September to Ft. Lauderdale, Florida to do field work in the Florida Keys.

Viacheslav Lyubchich traveled in September to participate in the Climate Informatics workshop.

Mario Tamburri traveled to Los Angeles, CA to present at Greenships Summit 2016.

Mario Tamburri traveled to Miami, FL to speak at BWM Tech North America.

Tom Miller traveled to Washington, DC to give a briefing to Congress on the impacts of acidification.



HUMAN RESOURCES: NEW PERSONNEL AND NEWS

Genny Nesslage is a permanent Assistant Research Professor she was previously a visiting professor.

Sazcha (Marcelo) Olivera is a new visiting Associate Professor working with Dr. Lyubchich.

The USM Women's Forum Annual Conference is October 21 from 10:30 a.m. to 3:00 p.m. The keynote speaker is Paula Monopoli from the University of Maryland School of Law and founder of Women, Leadership and Equality Program. The title for this conference is: *GPS Your Career - Coordinates for Success.* See Linda LaPera for more details and registration/payment.

DEVELOPMENT

Open House

Thank you to everyone who participated in the R.V. Truitt Dedication and Open House on September 10, 2016. We counted 500-600 people attended the Open House.



5K Run/Walk

The 5K Run for Research team did an outstanding job this year securing \$5,231.00 in sponsor-

ships, 80 preregistered for the race and 13 signed up day of the race. Last year we had 53 runners and this year the 5K team had 93 runners. Expenses are still coming in; however, we anticipate to net \$5,000 this year. We have a few t-shirts left from the race we are

selling for \$5.00 to move them. If you are interested in a 5K t-shirt email abayse@umces.edu and she will bring you a 5K Run for Research t-shirt.



SUSTAINABILITY

Thanks to all on campus who helped us to pull together data and numbers for our greenhouse gas estimates. These have now been submitted to UMCES Central Administration and we anticipate reporting values and comparisons with past years in the near future. Graduate student Gray Redding was instrumental in assembling the data.

RV TRUITT AWARD

The new RV Truitt Building is on track to be awarded LEED Gold from the USGBC, which will be the first LEED certified building for UMCES. A few of the LEED features include a modulating chiller system, an energy recovery wheel that utilizes the energy in the buildings exhaust air and transfers that energy back into the supply air stream. 90% of the occupied spaces in the building have direct access to outside views allowing the occupants to have a visual connection to the surrounding environment and natural lighting which improves their comfort and productivity. The landscaping contains native and adaptive, non-invasive plants that survive on rainfall only and special concern was given to protecting existing trees and surrounding areas. A Storm-water retention area was developed to capture and filter building run-off prior to it finding its way to the river. 75% of the construction debris and waste was recycled. Special care was taken when considering materials used in the building, including occupancy sensor LED lighting, recycled content carpet tiles and interior concrete flooring and natural slate was selected as the roofing material.

OUTREACH

Science for Citizens

Join us at the oldest state-supported marine lab on the East Coast to learn about innovative research being pioneered by Chesapeake Biological Laboratory (CBL) scientists. As a part of the University of Maryland Center for Environmental Science (UMCES), CBL faculty and graduate students are developing new approaches to solving the environmental management problems facing Calvert County, our nation, and the world. This fall, five Science for Citizens seminars will be held in CBL's Bernie Fowler Laboratory. A seminar will take place every Tuesday evening from 7:00 - 8:00 p.m., starting on September 27th and running through October 25th. See titles and dates under upcoming events on page four. For seminar descriptions, please visit: <http://www.umces.edu/cbl/outreach-seminars>

Visitor Center

The Chesapeake Biological Laboratory Visitor Center will be open:

- October & November: Friday, Saturday, & Sunday from 9:30 am to 4:30 pm
- Free, docent-led Campus Tours are offered to the public on Fridays at 2 pm from June through the end of November. These tours last approximately 1 hour and depart from the Visitor Center.
- Learn more about the CBL Visitor Center, Campus Tours, and Group Tours here: <http://www.umces.edu/cbl/visitors-center-outreach>

Visitor Center Volunteers Needed

The Chesapeake Biological Laboratory (CBL) Visitor Center provides guests with the opportunity to learn about cutting-edge research being pioneered by CBL's team of faculty and student scientists. The CBL Visitor Center is entirely run by our dedicated Visitor Center docents, who serve a vital role in explaining our research to the general public and help guests understand the importance of the work we do. New volunteers are currently being recruited, and we would love to have you join the team! If you are interested in volunteering in the Visitor Center, or know someone you think would be interested in volunteering, please contact Sarah Brzezinski at brzezins@umces.edu.

PUBLICATIONS

Liang, D., Linderman, M., and Cowles, M.K. 2016. *Bayesian MODIS NDVI back prediction by intersensor calibration with AVHRR*. Remote Sensing of Environment, 186, 393-404. UMCES Cont. No. 5236.

Schaeffer, E.D., **Testa, J.M.**, Gel, Y.R., and **Lyubchich, V.** 2016. *Proceedings of the 6th International Workshop on Climate Informatics*. UMCES Cont. No. 5232.

UPCOMING EVENTS

SCIENCE for CITIZENS

- **OCTOBER 5:** TIAA-CREF will be on campus from 9:00 A.M. to 4:00 P.M. for individual appointments.
 - **OCTOBER 8-9:** Visit the CBL outreach booth at the Patuxent River Appreciation Days.
 - **OCTOBER 11:** Health Fair in BFL (Beginning of Open Enrollment for health care benefits).
 - **OCTOBER 15-16:** Visit the CBL outreach booth at the St. Mary's County Oyster Festival.
 - **NOVEMBER 14-17:** NSF Arctic Research Meeting @ CBL.
- Meetings are Tuesdays from 7:00 - 8:00 p.m. located in the Bernie Fowler Building.
- OCTOBER 4:** Mercury in Maryland: A Local or Global Problem? Presented by Dr. Andrew Heyes
- OCTOBER 11:** Coal Mining and the Death of Appalachian Streams Presented by Dr. Margaret Palmer.
- OCTOBER 18:** Manure Happens: The Consequences of Feeding Seven Billion Carnivores Presented by Dr. Eric Davidson.
- OCTOBER 25:** Fear For the Turtle? The Chesapeake's Diamondback Terrapin Presented by Dr. Chris Rowe.

DISTINGUISHED SPEAKER SEMINAR SERIES

OCTOBER 5: Justin Krebs, AKRF, Inc., Hanover, MD.

OCTOBER 12: Eric Davidson, University of Maryland Center for Environmental Science, Appalachian Laboratory, Frostburg, MD.

OCTOBER 19: Mark Eakin, National Oceanic and Atmospheric Administration, Washington, DC.

OCTOBER 26: Lance Yonkos, University of Maryland, College Park, MD.



University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE
CHESAPEAKE BIOLOGICAL LABORATORY

www.umces.edu/cbl | 410-326-4281
P.O. Box 38 | 146 Williams Street | Solomons, MD 20688-0038