

Lab Lines

SEPTEMBER 2018

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UMCES Faculty Senate Chair

On behalf of the Senate, Dr. David Secor (former UMCES Faculty Chair), announced that the faculty has elected Dr. Michael Wilberg as the next UMCES Faculty Senate Chair. The Chair is a 3-year appointment and we are very pleased to have someone with Mike's strong background in stakeholder engagement, integration and application, student mentorship and training, and education reform to serve the UMCES community in the coming years.



RESEARCH & AWARDS

Drs. Michael Wilberg and Marvin Mace received an award from the Department of Natural Resources, July 1, 2018 to January 31, 2019. The title for this project is: *Work Associated with the Sustainable Oyster Population and Fishery Act of 2016 - Part 2.*

Dr. Andrew Heyes received an award from the Maryland Department of the Environment, July 19, 2018 to June 30, 2019. The title for this project is: *Applied Research: Investigation of the Impact of Best Management Practices (BMPs) on PCB Loading to Waterways.*

Dr. Andrew Heyes received a second award from the Maryland Department of the Environment, July 12, 2018 to June 30, 2019. The title for this project is: *Applied Research: Baltimore Harbor Sediment Toxicity Evaluation through a Spiking Study and Measurement of Pesticides in Fish.*

Drs. Dong Liang, Lora Harris, and Jeremy Testa received an award from the Maryland Department of Environment (MDE), August 1, 2018 to October 1, 2018. The title for this project is: *Review and Development of MDE's Biological Monitoring Permit Language: Phase I Municipal Separate Storm Sewer System (MS4) Jurisdictions.*

Drs. Michael Wilberg and Dong Liang received an award from the Environmental Protection Agency (EPA), July 1, 2018 to March 29, 2019. The title for this project is: *Development of a Long-Term Oyster Monitoring Plan.*

OUTREACH

Visitor Center

In September, the Chesapeake Biological Laboratory Visitor Center will be open to the public every Wednesday through Sunday from 9:30am - 4:30pm. Learn more at: <https://www.umces.edu/cbl/visitor-center>.

Upcoming Community Events

Volunteers will be needed to assist with a CBL Outreach booth at the following upcoming community events:

- Saturday and Sunday, October 6-7 from 10:00am – 5:00pm -- Patuxent River Appreciation Days at the Calvert Marine Museum <https://www.calvertmarinemuseum.com/311/PRAD>
- Saturday, October 20th from 10:00am – 6:00pm & Sunday, October 21st from 11:00am – 6:00pm - U.S. Oyster Festival at St. Mary's County Fairgrounds <https://usoysterfest.com/>

Science for Citizens

On September 25, 2018 from 7:00pm - 8:00pm, Dr. Donald Boesch will present, Chesapeake Bay at the Forefront of Addressing Climate Change, the first seminar of the Fall 2018 Science for Citizens Seminar Series. Science for Citizens is a free public seminar series hosted in CBL's Bernie Fowler Laboratory.

Learn more and see the full schedule of Fall 2018 seminars at: <https://www.umces.edu/cbl/science-citizens>

SAFETY CORNER BY CHERYL CLARK

Compressed Gas Safety

1. When moving a gas cylinder - remember to avoid dragging, sliding or rolling them even for short distances. Never lift a cylinder by the cap and always use an approved cylinder cart for moving.
2. Never drop cylinders or let them strike each other violently. This can damage valves, safety devices or the cylinder itself. Do not attempt to catch a falling cylinder.
3. The valve protection cap should be kept in place until cylinder is secured in the laboratory.
4. Do not tamper with safety devices on the cylinder. Do not remove identification label or change the cylinder color.
5. When returning empty cylinders, make sure the valve is closed and the valve protection cap is on the tank. Be sure tank is labelled as empty.
6. Keep cylinders away from heat sources and extreme cold. Make sure the storage area is dry to prevent any rusting on the bottom of the cylinders.
7. Oxygen cylinders must be separated from flammable gas storage or combustible materials by at least 20 feet or a non-combustible wall.
8. Gas cylinders should only be filled by qualified producers of compressed gases.
9. Use only regulators approved for the gas in use. Once regulator is attached, be sure to open the valve slowly and stand clear of the regulator and valve outlet. Check for leaks. When removing the regulator, be sure to close the valve first and allow the regulator to drain before disconnecting.
10. Be sure to read the Safety Data Sheets for the gas you are using and wear the appropriate PPE. Laboratory Safety Institute.

Laboratory Health and Safety Notebook. 2014 (<http://www.labsafety.org/>)

Here are some videos to help you:

- <https://www.youtube.com/watch?v=UXQTF9F2Mus> – How to Safely Handle and Operate Gas Cylinders
- <https://www.youtube.com/watch?v=FG1LGKieTxY> - Hazmat Highway to Hell with High Pressure Gas Cylinders – Russia - at the 2:48 mark on this video you can see a cylinder go flying into the woods.
- <https://www.youtube.com/watch?v=ord53RaoPWk> – Compressed Gas Cylinder Safety

New CBL Community Board

The Mansueti hallway has a new community white board – have a flyer for an event you want to post? Selling your car? The CBL community board is a great place to post your info. Required Human Resource information will also be posted here to keep everyone up-to-date on requirements.

Upcoming Facilities Projects

The Visitor Center renovation is substantially complete, and WOW, what a difference! The landscaping project for Solomons House will begin in mid-October which will finish off the project. The landscaping at Mansueti will also begin in mid-October and these two final areas will wrap up the campus landscaping project.

Beaven Hall 2nd floor renovation is underway. We've begun relocating materials to Mansueti and once the shelving has been relocated, the contractor will begin the major renovation of the space. This will include new conference and collaboration spaces as well as an open computer lab area. We will be completely renovating the space to bring it up to current requirements. The finishes will include bamboo flooring, LED lighting, painting with low-VOC paint, the renovation of the restroom, a water bottle filling station, and all new HVAC ductwork.

Human Resources

Bringing a new member of the CBL team requires scheduling with several individuals for training, please be courteous and schedule ahead of time and complete the New Hire Form. Just showing up with a new employee/volunteer results in confusion and last minute scheduling of training. It definitely doesn't put our best foot forward in the eyes of the newbie.

Work Orders, Reservations and New Hire Forms are online

The above mentioned forms are all online! No need to remember what information is required in an email to make a reservation or request services or repairs from Maintenance and IT – go to our website, complete the form and click “submit.” link. <http://www.umces.edu/cbl-forms>
Please remember! If you have a critical issue, please call 410-326-7333 and report the situation for immediate response.

NEW STUDENT ORIENTATION

On Friday, August 24, the Chesapeake Biological Laboratory held its annual CBL New Student Orientation. Dr. Miller, Director, welcomed the new students followed by Stacy Hutchinson, Associate Director of Administration, Helen Cummings, Interim Librarian, and Hunter Hughes, Student Representative. A CBL picnic was held on the lawn outside of Nice Hall and was enjoyed by all students, faculty, and staff.

Please welcome our new students as you see them walking around campus.



Annaleise Conway, M.S. Advisor: Dr. Carys Mitchelmore
Research Topic: Ecotoxicology of Sunscreen



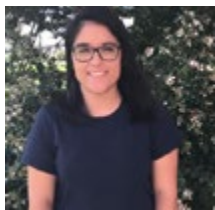
Alex Fireman, M.S. Advisor: Dr. Ryan Woodland
Research Topic: Trophic Ecology of Sea Turtles



Benjamin Frey, M.S. Advisor: Dr. David Secor
Research Topic: Age of Monkfish



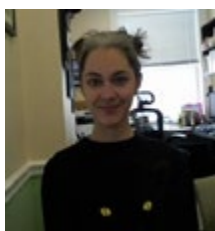
Laura Gemery, Ph.D. Advisor: Dr. Lee Cooper
Research Topic: Impacts of Climate Change on Arctic Clams



Jesse Jerelle, M.S. Advisor: Dr. Genny Nessler
Research Topic: Epidemiology of Disease in Striped Bass



Kohma Arai, Ph.D., Advisor: Dr. David Secor
Research Topic: Population Structure of Atlantic Mackerel



Dani Quill, M.S. Advisor: Dr. Ryan Woodland
Research Topic: Population Dynamics of Mysids in the Chesapeake Bay

Bailey, H., Hazen, E., Mate, B., Bograd, S.J., Irvine, L., Palacios, D., Forney, K., Howell, E., Hoover, A., DeWitt, L., Wingfield, J., and DeAngelis, M. In Press. *Lessons Learned from WhaleWatch. A Tool Using Satellite Data to Provide Near-Real-Time Predictions of Whale Occurrence.* Case Studies from Aquatic and Terrestrial Ecosystems.

Wainger, L., Helcoski, R., Farge, K., Espinola, B., Green, G. 2018. *Ecological Economics.* The article *Evidence of a Shared Value for Nature* represents work that **Dr. Lisa Wainger** conducted in collaboration with a group of graduate students she mentored in a Conservation Biology problem-solving course.

Drs. Jackie Grebmeier, Lee Cooper, and Chelsea Wegner traveled to Nome, AK to participate in the 2018 Distributed Biological Observatory-Northern Chukchi Integrated Study (DBO-NCIS) research cruise funded by National Oceanic and Atmospheric Administration (NOAA).



Dr. Solange Filoso traveled to New Orleans, LA to present at the 2018 National Conference for Ecological Restoration (NCER) meeting.

Dr. David Secor traveled to Atlantic City, NJ to present Maryland WEA research at the National American Fisheries Society (AFS) meeting.

The Bi Lab Group is traveling to Dutch Harbor, AK to complete field work on a NSF Grant titled *Bering Sea Jellyfish*.

Dr. Michael Gonsior traveled to El Paso, TX to sample a desalination plant.

HUMAN RESOURCES

Welcome to CBL...

Theresa Holloway, CBL Business Manager. Theresa is joining the CBL Team from College Park where she worked in the Department of Information Technology. She will be working with grant accounting, financial management, and managing the everyday business needs of CBL.



When passing through Mansuetti, be sure to stop by Theresa's office and introduce yourself and give Theresa a CBL welcome!

UPCOMING EVENTS



September 8: Third Annual CBL Open House from 1:00 to 5:00 p.m.