

Lab Lines

OCT 2019

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DIRECTOR'S VIEW

Last weekend CBL faculty and students attended the MEES Colloquium at IMET in Baltimore. During that event, we recognized the 22-year long record of contributions of CBL Associate Professor Ken Paynter as leader of the MEES program – the most successful inter-institutional program within the University System of Maryland. Throughout his time at the helm, Ken always put students first. His contributions can be seen in improved shared governance and in the quiet diplomacy that saw students awarded Dean's Fellowships, and travel awards. It can also be seen in the increase in the number of courses available over the video network. As we celebrate Ken's contributions, we also look forward to working with Dr. Tim Canty, from the Atmospheric and Ocean Sciences Department at College Park, who is the new MEES Director. For those who were not present, Tim gave a great presentation at the Colloquium explaining how a physicist came to study the environment. It's not that uncommon – just ask Dr. Johan Schijf.

TRAVEL & AWARDS

Lisa Wainger spoke as part of the panel “Expanding adoption of conservation practices: non-traditional incentives” on October 2, 2019 at the National Fish and Wildlife Foundation, Regional Agriculture Networking Forum in Salisbury, MD.

Katie Lankowicz recently traveled to Xiamen, China and participated in the Global Oxygenation Network Summer School. This conference/workshop was comprised of 40 PhD and early career scientists discussing various topics surrounding oceanic/coastal deoxygenation. At this conference, she won the “Best oral presentation as judged by their peers” award. The linked tweet is from one of the conference organizers and includes a photo of Katie with the award:

<https://twitter.com/Klsensee/status/1170719032451854336?s=20>

WORK ORDERS & RESERVATION FORMS ONLINE

Please use the online forms when requesting meeting space, vehicles and apartments/dorms or when submitting a request for work to be completed.

<http://www.umces.edu/cbl-forms>

If you have a critical issue, please call 410-326-7333 and report the situation for immediate response.

FACILITIES PROJECTS

The Mansueti Building windows are scheduled for replacement in October, a much needed improvement project. The new windows should alleviate the extreme heat load in the front offices and eliminate the leaks! This project is scheduled for the week of October 14.

Calvert County is currently in the design phase of a redundant, continuous water main loop for the public water service. The water line will extend from the end of Dowell Road, under Back Creek and connects near the bulkhead at RFO. This will allow for a continuous water main which will provide CBL with expanded service (currently we are at the end of the line) when water main disruptions occur. This project is currently at the 30% design phase – a construction timeline has not been determined yet and we are working closely with the design team and will keep the CBL community informed as this moves forward.

GREEN CAMPUS IMPROVEMENT

The CBL Facilities Team is working with the UM Facility Performance Department to identify locations on the CBL campus to incorporate solar panel energy production. We are looking at roof top solutions as well as covered parking energy production for vehicle charging stations. We are also looking for creative funding solutions for this project. Stay Tuned!

HUMAN RESOURCES INFORMATION

2020 Benefits Meeting!! Please Attend!! Wednesday, October 16th at 10:30 - UMCES has transitioned over to Workday, the new employee benefits platform. New employees are registering for benefits using the new system, and existing employees will be registering for 2020 benefits using the new system, as well as using the system now to make changes when life-events occur. The Human Resource campus reps will no longer have access to your benefits.

Science for Citizens Seminar Series

The Chesapeake Biological Laboratory is excited to welcome distinguished alumni back to our campus for the upcoming Science for Citizens seminar series. Members of the public are invited to join us for free public seminars on the following Tuesday evenings from 7:00pm – 8:00pm:

- October 8th - Seafood swapping: What is it and what can we do about it? Presented by Dr. Kim Warner
- October 15th – Sea turtle conservation in the Western Hemisphere, presented by Veronica Caceres
- October 22nd - Flame Retardants: Friend or Foe? Presented by Dr. Heather Stapleton

Learn more about the Science for Citizens Seminar Series at: <https://www.umces.edu/cbl/science-citizens>

Visitor Center & Tours

The CBL Visitor Center will be open from 9:30am – 4:30pm every Friday, Saturday, and Sunday through the first weekend in December. Learn more at: <https://www.umces.edu/cbl/visitor-center>.

Community Events

Are you interested in hosting a display at the St. Mary's County STEM Fest? The event is on Saturday, October 26th from 10:00am - 2:00pm. Last year, the organizer estimate that over 1,000 people attended, so it would be a good opportunity to share your research (and build out the broader impact section of a grant report). Please contact Sarah Brzezinski at brzezins@umces.edu if you are interested in this opportunity

The Chesapeake Biological Laboratory will have outreach displays at the following community events:

The [Patuxent River Appreciation Day](#) (PRAD) on Saturday, October 12th from 10:00am – 7:00pm at Calvert Marine Museum.

The [U.S. Oyster Festival](#) on Saturday, October 19th from 10:00am – 6:00pm and on Sunday, October 20th from 11:00am – 6:00pm. This event will be held at the St. Mary's County Fairground in Leonardtown.

Volunteers are needed at both events. Please sign-up to volunteer at: <https://forms.gle/6QNL6qap7GCLMw7y8>

Student Video Filming

On October 23rd, student videos will be filmed featuring Kohma Arai, Nicole Barbour, Annaleise Conway, Alex Fireman, and Jerelle Jesse. These 2-3 minute videos, explaining who these individuals are, what they are researching, and why that research is important, will be featured in the CBL Visitor Center and online next year.

2019 CBL Open House

Almost 900 people attended the September 7 CBL Open House and we received great local press! Thank you to the committee: Carys Mitchelmore, Chris Rowe, Jerry Frank, Tom Miller, Sarah Brzezinski, Elissa Miller, Stacy Hutchinson, Brian Duke and Jeane Wharton.

Development Activity and Data

This quarter Jeane Wharton has worked with donors and a large family foundation for support of labs and projects. For instance, a donor who grew up diving and swimming off the CBL pier in the 1960's has given \$10,000; a retired aerospace physician who attends Science for Citizens seminars has given \$3,000 to support students and Dr. Rowe's terrapin research; the JES Avanti Foundation has given \$4,750 to support students, Dr. Woodland's intern program in Belize, and Dr. Kilbourne's coral project. According to national statistics from Charity Navigator, 80 percent of all charitable giving is from individuals and bequests.

Giving Tuesday

We're gearing up for another Giving Tuesday event the week after Thanksgiving. The donor who offered the challenge last year to match his \$10,000 donation is not able to do that again this year. Dr. Miller, faculty, and CBL alumni are putting together the "first \$10,000" to challenge donors to match it. As of last week, \$6,000 has been pledged. If you would like to help us with the first \$10,000, contact Jeane Wharton or Dr. Miller.



Laboratory Coat Selection

When most people think of lab coats they are picturing the traditional white lab coat. The laboratory coat you use should be appropriate to the chemicals, tools or materials you are using. Lab coats are intended to provide protection to your skin and clothing from incidental contact or small splashes, prevent the spread of contamination outside the lab (as long as they are not worn outside the lab), and to provide a removable barrier in the event of a spill or splash of hazardous substances.

There are three types of lab coats

- 1). Traditional coat – are the most widely used lab coats and they are very good for small spills or splashes from non-hazardous materials but they should not be used with hazardous or flammable materials. These are usually cotton or a cotton/polyester blend. Should not be worn while working with blood borne pathogens, flammables greater than 1 mL or where there is risk of ignition.
- 2). Barrier coat – are made mostly of polyester and should never been worn when using flammables. They will burn, melt, shrink and stick to skin. They are intended to protect the user from blood borne pathogens or biohazardous materials. These coats usually have fitted cuffs to prevent splashes up the arm.
- 3). Flame resistant - are intended to protect the wearer when there is a risk of clothing or skin catching fire. These coats will resist fire and prevent it from spreading over the coat. These are not fire-proof, but it will give you time to get out of the coat or away from the source. Some flame resistant coats are not chemical resistant and should be removed immediately if any chemical substance is spilled on it. However, Work-Rite makes a flame resistant, chemical proof laboratory coat which will cover all your lab needs and can be ordered through VWR. I would also recommend wearing cotton clothing if you work with flammables in your lab.

Lab coats should be at least knee length and have a top button for the most effective coverage and protection. It is recommended that a lab coat should have a fitted wristband/cuff to lessen the possibility for splashes up the arm and fire hazards. The University of Southern California has a fact sheet for laboratory coat selection and is available at: <https://ehs.usc.edu/files/PPE-lab-coat-selection.pdf>

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<https://labcoats.mit.edu/guidance>

https://www.uah.edu/images/OEHS/biologicalsafety/Laboratory_Coat_Guidelines_2013.pdf

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UPCOMING EVENTS: FACULTY SEMINARS FALL 2019

- **OCTOBER 9** Dr. Jay Peterson, NOAA Fisheries - Climate. *Moving towards climate-informed fisheries management*
- **OCTOBER 16** Dr. Rene Boiteau, Oregon State University. *Organometallic Speciation*
- **OCTOBER 23** Dr. Heather Stapleton, Duke University. *Flame Retardants*
- **OCTOBER 30** Dr. Asim Dey, Princeton University. *TBD*
- **NOVEMBER 6** Dr. Martha Buckley, George Mason University. *North Atlantic Circulation and Climate*
- **NOVEMBER 13** Dr. Kevin C. Weng, VIMS. *Plasticity and adaptation: migratory coastal fishes under climate change*
- **NOVEMBER 20** Dr. Emily Cohen, UMCES Appalachian Laboratory. *TBD*
- **DECEMBER 4** Dr. Sarah Latchney, St. Mary's College. *TBD*

