

# CEGSS Newsletter

# MAY



All links in this newsletter are live



## You should see me in a crown

Congrats to the newly elected CEGSS leadership for 2019-20!

- President—Will Matthaues
- Vice President—Kelsey Johnson
- Secretary—Keighley Reisenauer
- Treasurer—Patrick Charapata
- Social Chair—Brooke Morris
- Media Coordinator—Grace Pruett
- Workshop Coordinator— Kaitlin Murtha
- Speaker Coordinator—Brittany Perrotta
- Community Outreach Coordinator—Sunshyne Hendrix
- CEGSS Biology Symposium Director—Felicia Osburn
- Recruitment Chair (new!) — Bryan King
- CEGSS Photographer (new!) —Aadil Sheikh

## Summer

## ~~Winter~~ is no longer coming — it's here!

With the arrival of the GoT's final season, also brings the arrival of CEGSS Biology Symposium! In just a few short days, months of hard work will come together in a day full of food, research, and professional camaraderie.

May 6, 2019 9:00 AM – 3:30 PM Foster Business Room 250	CEGSS SYMPOSIUM 2019 SCHEDULE
8:30 AM – 9:00 AM	Welcome and Refreshments
9:00 AM – 9:15 AM	Opening Remarks Felicia Osburn CEGSS President Will Matthaues Symposium Director
9:15 AM – 9:45 AM	Invited Faculty Research Presentations: Dr. Tamar Carter – 9:15 - Genetic approaches to understanding malaria vector species composition and movement  Dr. Joseph D. White – 9:30 - Climate Change of the Late Carboniferous: Assessing the Hydrologic Connection
9:45 AM – 10:45 AM	Session 1: Biology Graduate Students Four 15-minute talks. Ankan Choudhury – 9:45 - The use of a Virus-derived Targeting Peptide to Selectively Kill <i>Staphylococcus</i> Bacteria with Antimicrobial Peptides Michael Davis – 10:00 - Experience with the CILI-CURE undergraduate research course Aadil Sheikh – 10:15 – Bacteria-derived OMVs merge with host cells and stimulate TOLL-like receptors Craig Heflick – 10:30 - Oncomodulin Modulates Actin Cytoskeletal Dynamics in the Inner Ear
10:45 AM – 11:00 AM	Coffee Break Refreshments Provided
11:00 AM – 12:15 PM	Session 2: Biology Graduate Students Five 15-minute talks Anand Chaudhary – 11:00 - Cross-scale Interaction Effects of Climate and Deciduous-forest Patch Pize on the Persistence of Forest-interior Bird Species Dani Crain – 11:15 - A Different Kind of Wax Museum: Forecasting Population Trajectories of Baleen Whales using Reproductive Parameters from Earplugs. Grace Pruett – 11:30 - Isolating Promoters to Construct a Nectar Delivery System for Mosquito Population control in <i>Impatiens walleriana</i> Robert Huff – 11:45 - Effective Surveillance of Mosquitoes using Next-Generation Sequencing for Metabarcoding

	Jingyu Wang – 12:00 – Variation in Light Climate and Nitrogen Availability Affects Photosynthetic Apparati in Cyanobacteria
12:15 PM – 1:00 PM	Catered Lunch Informal poster viewing
1:00 PM – 2:15 PM	Session 3: Biology Graduate Students Four 15-minute talks William Matthaues – 1:00 - The Physiological Landscape of the Carboniferous: Finding the Frontier of Frost Tolerance Victoria Neises – 1:15 - Fatty Acid Signature Analysis of Harbor Seals in Alaska, 1997-2010 Kim Serno – 1:30 - The Effects of Roads on Bird Species Occupancy in Pennsylvania's Core Forested Landscape Keighley Reisenauer – 1:45 - Exploring breast cancer sensitivity to the fungus-derived sesterpenoid, Ophiobolin A
2:00 PM – 3:00 PM	Poster Session Refreshments Provided Tomasz Nowak – Menstrual Cycle-related Changes in Incidence and Severity of Influenza-like Illnesses James Mann - Tracking Mosquito Feeding Habits, through Bloodmeal Analysis Swastika Raut - Metagenomic Insights into the Structure and Functional Potential of Switchgrass Soil Microbial Communities under Preindustrial and Future CO2 Treatment Felicia Osburn – Nitrogen Fixation Efficiency Decreases with both Increasing N:P Stoichiometric Imbalance & Previous Acclimation to Nitrogen Sufficient Conditions Patricia Kamanda - Sex-specific transcriptional profiling in the mosquito, <i>Culex pipiens</i>
3:00 PM – 3:30 PM	Awards Ceremony and Concluding Remarks

## THE QUICK NEWS



### CEGSS MEETINGS

Thank you to everyone who came out to meetings this semester! Stay tuned for a poll to choose meeting times for next year!



### WRITING GROUPS

Summer writing groups will be starting soon. Stay tuned!



### UPCOMING EVENTS

Mark your (CEGSS) calendars for the upcoming events:

- ⇒ Biology Department Dinner 5/3
- ⇒ CRASER Crawfish Boil 5/4

## TIME FOR A FACELIFT!



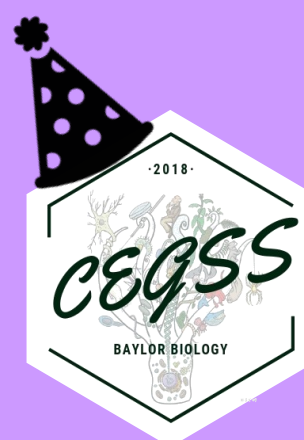
Our website was revamped! Take some time to [check out](#) the amazing work from our Media Coordinator

## Better than IKEA instructions

With new students entering labs and coming to Waco, it means they'll be experiencing a lot of new things and needing to juggle a lot of info. Use CEGSS' website as a helpful resource for them and also [send us](#) ideas for updates to the CEGSS handbook.

## Volunteer over the Summer

Looking for ways to give back to your community *and* teach people about how awesome STEM is? Mayborn Museum's Portal to the Public program is a great way to give back and get involved. For more info, [email Sarah Miller](#).



We thank everyone who helped make CEGSS' first year a roaring success! We are so excited to see how this organization continues to grow and support the Biology grad students