



Mosquito BEACONS Year 3 (2023 – 2024)

Meeting Y3-Q3 – The Mosquito BEACONS quarterly meeting minutes

Date time: December 8th, 1-2 pm.

Location: Zoom

Meeting ID: 936 1597 0239

Members Present (30):

Sally Abbar	ENVU	Olivia Magaletta	University of Florida
Natasha Agramonte	Dept. Public Health, GA	Valerie Nguyen	University of Florida
Benjamin Allen	City of Jacksonville	Ben Pagac	Public Health Command, East
Amy Bauer	UFL	Stephanie Richards	Eastern Carolina University
Brian Byrd	Western Carolina Univ.	Claudia Rigel	City of New Orleans, MTRCB, LA Gulf South VECTOR
Lindsay Campbell	UFL	Cristhian Sanchez	Puerto Rico Vector Control Unit
Constance Darrisaw	Lee County MCD	Anita Schiller	Harris County Biological Control Initiative
Daniel Dixon	Thermo Fisher Scientific	Petra Schultheiss	Qiagen
Chris Evans	Dept of Public Health, SC	Sangwoo Seok	University of Florida
Bryan Giordano	Broward County	Panpim Thongsripong	University of Florida
Elmer Gray	UGA	Rudie Xue	Anastasia MCD
Ryan Harrison	Forsyth County Dept. Public Health	Derek Yan	FDACS
Kristen Healy	LSU, AMCA	Donald Yee	Univ. Southern Mississippi
Rebecca Heinig	Collier County MCD	Raiza Alvarado	Puerto Rico Vector Control Unit
Yoosook Lee	University of Florida	SLCMAD	


Note takers: Valerie Nguyen, Sangwoo Seok

Meeting Minutes:

1. Updates from members:

- a. Claudia Rigel: Gulf South V.E.C.T.O.R. project sign-up: <https://forms.office.com/g/iD2UJZrt0r>
- b. Lindsay Campbell: Lary Reeves and I are taking a closer look at the distribution of the An. crucians complex and their habitats. If anyone has samples and is interested in knowing which species are in your area, you can ship your samples to Lary for barcoding. We would also use this information in downstream distribution analyses. If you are interested, please record the geographic coordinates of your samples and ship to Lary Reeves, FMEL, 200 9th St. SE, Vero Beach, FL 32962
- c. Donald Yee: If anyone gets asked about the Spartan mosquito devices, you can point them to the class action settlement. If they purchased then can get their money back. <https://ac2tsettlement.com/>
- d. Benjamin Allen: Mostly floodwater mosquitos in Jacksonville. Case of human WNV and EEE



- e. Rebecca Heinig: Explosion of *Aedes scapularis* in Collier County, FL.
 - f. Elmer Gray: Mosquito pools positive with West Nile Virus in Georgia
 - g. Natasha Agramonte: Human West Nile case late season Atlanta, GA
 - h. Ryan Harrison: North Carolina has human West Nile cases, Asian tiger mosquitos in late July
 - i. Cristian Sanches: Puerto Rico, Dengue 2 and 3 cases circulating in Puerto Rico.
 - j. Chris Evans: South Carolina, seen *Culex* (?) species he hasn't seen since he's been there
2. Program introduction presentations
- a. 1:10 pm **Kristen Healy** [[website](#)]
 - i. Mosquito Control Needs in 2023:
 1. Non-target bees
 2. Insecticide resistance
 3. Mosquito trapping
 - ii. Projects:
 1. Trapping studies, insecticide resistance, temperature effects, non-target work
 - iii. Networking Breakfast @AMCA
 - iv. 
[Google Scholar Link](#) [My personal site](#)
 - b. 1:22 pm **Panpim Thongsripong** [[website](#)]
 - i. Bite Diary App
 - ii. Mosquitoes and humans continuously react to changes in one another and in the environment, resulting in dynamic contact rates that drive disease spread
 - iii. Surveys can be practical to see human behaviors may influence mosquito bite exposure
 - c. 1:34 pm **Petra Schultheiss** [[Biogents](#)]
 - i. BG-Counter remote mosquito monitoring and new software in the works
 1. Provides time saving, standardized and reproducible collection methods
 - ii. Mass trapping and larval source management can be powerful
3. Program update
- a. Year 4 proposal was submitted to Southern IPM Center (expected to hear the outcome by February 2024. Claudia Riegel will be joining as a additional Board of Directors starting next year.
 - b. Advanced Mosquito ID course provided in Louisiana and Texas this year.
 - c. Some work is underway to host workshop in Georgia and Mississippi next year.
 - d. Annual meeting will take place online in Feb. Last year 2-hour meeting seems too short for engagement. This time, I would like to make the presentation shorter and incorporate two separate 15 minute breakout rooms for networking among the members. We can experiment on the meeting formats and see what works best for the group.
 - e. Dr. Ryan Carney at University of Southern Florida is still looking for more *Anopheles* experts to join and help ID the citizen science observations from his our [MosquitoesInAfrica.org](#)



campaign. *Anopheles* Wanted poster:

https://drive.google.com/file/d/1P0uLABRTOPnqpbZSPxy6g_MbryvMiS29/view?usp=drive_link

- i. the project can be found here: <https://tinyurl.com/cstp2023>
 - ii. new paper on the Global Mosquito Observations Dashboard can be found here: <https://ij-healthgeographics.biomedcentral.com/articles/10.1186/s12942-023-00350-7>
- f. BEACONS website: <https://fmel.ifas.ufl.edu/invasivemosquito/> Please check and let me know if your name is missing from the member page and/or other content to be linked to the BEACONS website.
- g. Funding opportunities of interest to the members – please let us know if you like to have discussion/consultation on the following programs:
- USDA CPPM ARDP - <https://www.nifa.usda.gov/grants/programs/crop-protection-pest-management-program> Due date Feb 15, 2024
- h. BEACONS is here to serve you. Please do not hesitate to contact me to suggest ideas to improve the program, express your own interests and discuss ways for BEACONS to help you. We now have 7 board of directors – me, Elmer, Allen, Dan, Mike, Bryan, Lindsay, and Claudia. Contact whoever you feel most comfortable.
- i. Suggestion box: https://ufl.qualtrics.com/jfe/form/SV_ehySnhD0xErPsnc