



ENTOMOLOGICAL
SOCIETY OF AMERICA
MEDICAL, URBAN, AND VETERINARY ENTOMOLOGY

MUVE NEWSLETTER

February 2023

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FROM THE PRESIDENT

Preparations. Last week I finally finished my 2022 annual reports, while also preparing for 2023 activities. These preparations include thinking about field seasons, equipment, personnel, and more. Which brings us back to ESA and how your leadership team is already preparing for the Annual Meeting as well as preparing to help give back to you, our Section members. Please take this opportunity and let us know what we can do for you. You selected MUVE as your Section and we want to help make this section better for you. [Please complete the MUVE 2023 survey.](#)



OFFICERS

[Dr. Rebecca Trout-Fryxell,](#)
President

[Dr. Kyle Jordan,](#)
Vice President

[Dr. Ary Faraji,](#)
Vice President-Elect

Our larger plans for the year are in preparation and include networking events, mentoring events, and more. Importantly, I want to use the next few paragraphs to remind you of spring items so you can begin preparing Section symposia, [nominating colleagues for awards](#), joining leadership teams, or even thinking about how you will join us in National Harbor for the [Annual Meeting](#). Our most pressing deadlines are nominations for **Highlight speakers** and the [MUVE Section symposium](#); both are due **March 1**.

Interested in being a MUVE Highlight speaker? [Nominate yourself](#). You will be asked to identify as a MUVE speaker, share your CV, and provide a brief description of your presentation's theme. Note, we are now requesting a theme, topic review, or "white paper" instead of the previous year's publications review. This is a great opportunity to reach a very

[Dr. Anna Berry](#),
Secretary

[Dr. Sonja Swiger](#),
Treasurer

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Past President

[Dr. Erika Machtinger](#),
Governing Board Representative

large audience of our peers. Presentations are 25 minutes and focus on important recent developments in the general field and highlight particular areas of interest that you believe would also be of general interest to members of the MUVE Section. We ask that highlights presenters settle on an individual theme that will guide their talk. It is expected that speakers will contribute to the *Journal of Medical Entomology* by turning their talk into a Forum piece, with all page charges waived. As a way of acknowledging the efforts and to say thank you to our Highlights speakers, the MUVE Section will pay your member registration fees for the Annual meeting, provide you with a certificate, and give you a \$250 USD honorarium.

Additionally, presentation of a Highlights talk does not preclude you from presenting a symposium talk or a 10-minute scientific presentation should you desire to also participate as a speaker in a scientific session. If you have questions or ideas about a theme, please do not hesitate to contact me (rfryxell@utk.edu) or any of us in MUVE leadership.

Examples of previous Highlights with a theme from past years include:

- [The Importance of Sustainable Surveillance of Vectors and Vector-Borne Pathogens](#) by Roxanne Connelly
- [Chemical, Nonchemical, and Alternative Approaches to Urban Pest Management as we Adapt, Advance, Transform](#) by Jia-Wei Tay
- [The Importance of the Contributions of Government Scientists to Research in Veterinary Entomology](#) by Kimberly Lohmeyer

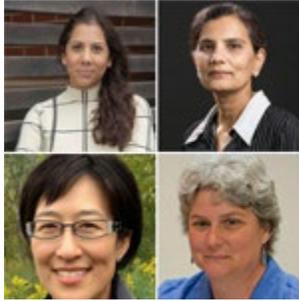
Branch Meetings are quickly approaching and I want to encourage you to browse each Meeting's website and determine if you will attend. Anyone can attend a Branch meeting, you do not need to be a member of that Branch. There are a lot of great student presentations at these meetings and can be a place to identify a new student for your lab or a new employee for your company. Everyone can still submit a virtual 10-minute oral and poster presentation to the [International Branch Virtual Symposium](#) by **March 1**; \$50 for an oral presentation and \$30 for a poster presentation.

Your experience as a MUVE section member and ESA member is uniquely yours. As I wrote in my first letter, MUVE and ESA can help you find your place as an entomologist, but it is ultimately up to you to put some effort into finding out how MUVE and ESA can help. Read the emails, click the safe links, and volunteer what you can share. You might be able to share your time, resources, ideas, past experiences, money, or anything else. As I stated at the final business meeting in Vancouver, I am a person who believes and practices in Give and Take; our Society and Section work because people show up and give.

MEMBER SPOTLIGHT: MUVERs



Help us highlight MUVE members and bring their work into the spotlight! Please send any MUVERs news to be included in future newsletters and tweets to [Mikenna Smith](#).



MITEY Network, Dr. Nelle Couret (University of Rhode Island, top left), Dr. Sukanya Narasimhan (Yale School of Medicine, top right), Dr. Jean Tsao (Michigan State University, bottom left), and Dr. Cynthia Lord (University of Florida, bottom right) were recently awarded a \$2.6 million grant from the NIH as part of the prestigious Ecology and Evolution of Infectious Disease (EEID) program. They are establishing the Microbiome Integrated Tick Ecology (MITEY) Network, an interdisciplinary collaboration that provides research and training to investigate the consequences of tick-microbe and within-tick microbial interactions on the enzootic transmission cycle of Lyme spirochetes.



Meaghan Pimsler, Ph.D., Dr. Pimsler started a new position as biological & biotechnology science branch technical and core mission support at the U.S. Army DEVCOM Army Research Laboratory. Dr. Pimsler will work with the Army Research Office (ARO), which specializes in funding high-risk, high-reward basic research that has the downstream likelihood of supporting the Army's missions and needs in 15-30 years. Her role is to support the Branch Competency Co-Lead and the program managers in evaluating proposed research, strategic planning, and review and reporting on the research the branch has or is funding.



Daniel Peach, Ph.D., Dr. Peach recently moved from Canada to start as an assistant professor at the University of Georgia, with a split appointment between the Savannah River Ecology Lab and the College of Veterinary Medicine's Department of Infectious Diseases. Dr. Peach's research focuses on mosquito ecology, covering elements as diverse as mosquito pollination, mosquito sensory ecology, applying ecology to mosquito control, and ecological niche modeling. Prior to joining the University of Georgia, Dr. Peach was a postdoctoral fellow at the University of British Columbia where he was the recipient of a Banting postdoctoral fellowship, Canada's most prestigious post-doctoral fellowship, in part due to the impact of his research into mosquito-flower interactions.

NEWS BRIEFS



Photo by Matt Bertone

Blog Post Highlights from *Entomology Today*

- [Entomological Vase Earns First Place in Art Show at 2022 Joint Annual Meeting](#)
- [How One Entomologist is Taking a Global Perspective on Tick-Borne Diseases](#)
- [Single Mow of Park Trails Not Enough to Reduce Ticks](#)
- [The Best of 2022 on Entomology Today](#)

Remember: For the latest breaking news items related to MUVE, please [follow us on Twitter](#).

VOLUNTEER & LEADERSHIP



Looking for ways to get involved with MUVE or ESA generally? Always feel free to [contact MUVE President Becky Trout Fryxell](#) with your interest.

Volunteers Needed to Support the Grand MUVE Library WIG

Have you ever thought it would be great to have a one-stop-shop for MUVE-related resources? Are you interested in a common repository for information like MUVE related protocols, available awards and opportunities, and the emergency response entomologist list? ESA MUVE is looking for volunteers to assist with one of our new section WIGs, the Grand MUVE Library. If you are interested in assisting with this effort or want to learn more, please contact Alexis Kriete (akriete@ncsu.edu).

POLICY CORNER



Policy Corner: One Health Gathers Interest in Congress, with Potential Benefits for MUVE Research and Application

By: Meredith Spence Beaulieu, Ph.D., BCE, MUVE Science Policy Committee Representative and Class of 2020 ESA Science Policy Fellows

One Health is an interdisciplinary framework that recognizes the interconnectedness of humans, other animals, plants, and our shared environments, and aims to advance the health of these systems simultaneously. The academic field of One Health has been steadily growing since its formal inception in the early 2000s. Now, in the wake of (or more accurately, still in the midst of) the COVID-19 pandemic, governmental agencies are beginning to take note. This can be seen both in major funding agencies calling for One Health research, and in the introduction of policy proposals that center the One Health approach, such as the One Health Security Act ([S.5354, 117th Congress](#)).

Introduced by Sen. Kirsten Gillibrand (D-NY) during the last session of Congress in December 2022, the ESA-endorsed *One Health Security Act* aims “to assess, prevent, prepare for, respond to, recover, and mitigate biological threats by establishing the One Health Security Council.” The bill responds to heightened concerns about food security, habitat and biodiversity loss, and the effects of urbanization and globalization, including notably the spread of infectious diseases and antimicrobial resistance. The bill explicitly references vector-borne diseases throughout and recognizes their importance in the context of global change for human and animal health outcomes.

The *One Health Security Act* would create a One Health Security Council composed of heads of multiple federal agencies (e.g., DHHS, EPA, USDA, NSF, and others) that is tasked with advising the President on One Health issues, coordinating responses to zoonotic and vector-borne disease threats, disseminating data among agencies and institutions and with the public, and promoting research networks that can holistically study emerging infectious diseases. The Council would hire staff with expertise in zoonotic and vector-borne disease transmission, and engage with relevant local, national, and international stakeholders – including professional societies representing topical experts – to meet its mission.

The first task of the One Health Security Council would be to develop a comprehensive One Health Security Strategy for the US, which would include integration of domestic, foreign, and military policies that approach zoonotic and vector-borne disease prevention, detection, and response, and all aspects of resistance prevention, from the pathogen-level to the vector- and host-levels. Second, the Council would develop a One Health Security and Pandemic Preparedness Network to be managed by the CDC to support an early detection and prevention system for zoonotic and vector-borne diseases. Finally, the Council would be tasked with recommending funding allocations for One Health activities.

Here's why MUVE members should be paying attention to this: the One Health Security Council that this bill aims to establish would be a key driver in identifying gaps and opportunities in existing federally funded activities related to One Health. Vector-borne diseases clearly fall under this purview – both implicitly and explicitly in the bill language. The Council's efforts at mapping activity gaps would then directly translate to the future distribution of federal funds for One Health issues, and invariably enhance research and control capabilities in the vector-borne disease realm.

As I noted at the outset, this bill was introduced toward the end of the last session of Congress, so

will need to be reintroduced in the current session for there to be any action toward making the *One Health Security Act* a reality – something that is in the works, with the aim of reintroducing as a bipartisan bill. But more broadly, this effort shows an attention among legislators to the complex and intertwined nature of many of our most pressing global challenges, including those that we focus on in the MUVE section. I think interest in legislative and regulatory responses that cross federal agencies – and disciplinary boundaries – will continue to grow. MUVE members can and should play an active role in envisioning and actualizing such policy proposals.

ASK CLARY FLY



By Lidia Gonzalez, MUVE Representative to the ESA Student Affairs Committee

Welcome the new year with some fresh updates for the students in ESA!! How is the year looking? Are you planning on attending any conferences? I know some of you might be interested in presenting your work at conferences and meetings this year and I received some questions regarding **how to best present your work or research in a poster**.

I don't think there is one right way to do a research poster (it comes down to individual preference), but here are some general tips I follow:

1. Choose a poster template adequate for your message. There are plenty of great [templates](#) online, and I prefer ones with a big and short “take home message” rather than a lot of words.
2. You have limited space, so write down only the critical information.
3. Use QR codes to direct your audience to additional text or figures (I use it for references) so you can save space for the main results.
4. Avoid (as much as possible) large paragraphs and large tables.
5. Make bullet points to summarize main points.
6. Share results as a table/figure rather than a long text box.
7. Print yourself some business cards, small flyers with additional information, or bring specimens to engage in conversation with your audience.

Do you have any tips to present your research in a poster? Send an email to Lidia (lidiag@email.sc.edu) and I will add them in the next newsletter!

Now, those of you that might be ready to present you might be wondering, where? And when? Do not worry I have some important dates for ESA Annual and Branch Meetings...

As a student, I highly recommend attending the meeting because it is a great opportunity for networking, getting to know your peers from other Branches and Sections, and to attend the very interesting workshops and seminars, and find some volunteer options! If you are thinking about presenting some of your work, or participating in the Entomology Games, the ESA meetings are coming!

Getting ready for [Entomology 2023](#)? This year takes place in National Harbor, Maryland and the theme is **Insects and Influence: Advancing Entomology's Impact on People and Policy**.

Submit a symposium by **March 1**. The submissions for the 10-minute presentations, posters, student competition, and functions will open **March 15**.

If you want to participate in other meetings, you can attend the Branch Meetings. Students can participate in the Student Competition for their branch or present their research. Submissions are closed for 2023 Branch Meetings with the exception of the [International Branch Virtual Symposium](#), due **March 1**. Registration is open for the following meetings:

- [Southeastern Branch](#), Little Rock, AR, March 12-15;
- [Eastern Branch](#), Providence, RI, March 18-20;
- [Joint North Central and Southwestern Branch](#), Oklahoma City, OK, April 16-19;
- [Pacific Branch](#), Seattle, WA, April 2-5;
- [International Branch Virtual Symposium](#), April 24-26, registration will open in March.

Lastly, if you have any questions you can contact the Student Affairs Committee through the ESA website or send an e-mail to lidiag@email.sc.edu.

All the best wishes,

Clary Fly

OTHER ANNOUNCEMENTS

New MUVE Student Spotlight

The MUVE Communications Committee is excited to announce the addition of a MUVE Student Spotlight to the MUVE newsletter. Do you know of a hard-working student who deserves some recognition or are you that student? Let us know! Send in your nominations to Mikenna Smith, the MUVE Communications Committee Chair (msmith@tcweed.org).

MUVE 2023 Strategy

Do you have an idea for a way to improve the MUVE section? Are you interested in leading the charge to be the change you want to see in the section? Let us know! [Complete the MUVE 2023 survey](#) to tell us what we're doing right, how we can improve, and how you'd be interested in helping!

Symposia and Workshop Submissions for Entomology 2023 Due in March

If you're interested in organizing a symposium, organized meeting, or workshop at the Entomological Society of America 2023 Annual Meeting in National Harbor, MD, now is a great time to start thinking about your submission! Submissions are due by **March 1, 2023**, and this deadline includes all symposium types-program, section, and member symposia. [Learn more](#).

Next Iteration of the Vector Biology Boot Camp to be Hosted by the NEVBD

The Northeast Regional Center for Excellence in Vector-Borne Diseases is offering its next iteration of the Vector Biology Boot Camp at Penn State from **May 16-18**. This hands-on learning opportunity, which covers medically important tick and mosquito species, is designed for vector-borne disease professionals in the Northeast region. [Learn more and apply](#).

MUVE Symposia at Branch Meetings

The schedules for the Southeastern and Eastern Branch Meetings have been posted and there are several symposia we think MUVE members will enjoy! [Learn more](#).

Southeastern Branch Meeting:

- Current Medical Entomology Research in the Southeastern Branch, 3/14, 8:00-10:00 AM
- Making Entomology Diverse: Overcoming Challenges, 3/14, 2:00-5:00 PM
- Entomologists' Careers and Roles in Pesticide Safety Education, 3/15, 8:00-10:00 AM

Eastern Branch, March 18-20, Providence, RI:

- The Rush to Stop the Invasion: The Technological Advances in Detection, Surveillance, and Monitoring for Invasive Species and Vectors across Different Fields of Entomology, 3/19, 7:00-9:15 AM
- Innovations in Tick-Bite Prevention Education, 3/19, 9:30-11:30 AM
- Entomology for Everyone: Representation Helps Cast a Wider Net, 3/19, 12:30-4:30 PM

ESA Premier Awards Open

Honor the careers and contributions of standout entomologists. Nominations are open for ESA Premier Awards: [Honorary Members](#), [Fellows](#), and the [Founders' Memorial Award](#), due **April 17**. View the nomination criteria by reviewing the eligibility grid. [Learn more and nominate](#).

ESA Member Input Sought for Arboviruses in Africa Survey

Do you work in arboviruses and arboviral vectors in Africa? Help the Resilience Against Future Threats shape future webinars by helping identify the current research, knowledge gaps, and priority topics. [Respond to the survey](#).

MUVE in Zoos: Adopt a Cockroach Programs

Who doesn't want a little love in their life? This year, numerous zoos and museums are doing some type of "adopt a cockroach" program. Some are showing the love with some cool cockroach gifts, and some are celebrating lost love where you can name (or feed) a cockroach after your ex-partner. Whichever one your heart desires, give to your nearest zoo and help support their education of cool arthropods. If you don't have a zoo nearby offering this lovely program, you can pick one of these:

- [Bronx Zoo](#)
- [Charles Paddock](#)
- [Brookfield Zoo](#)
- [San Antonio Zoo](#)
- [Zoo Boise](#)

- [Scoville Zoo](#)
- [Whaling Museum](#)
- [Houston Museum of Natural Science](#)

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