

SEL SPOTLIGHT

Where Insects Find Order

JUN - SEP 2024

SYSTEMATIC ENTOMOLOGY LABORATORY



SEL at Bugapalooza!

Special thanks to Taina Litwak and Cecilia Escobar for running the Systematic Entomology Laboratory's table at the Bugapalooza! event at the National Museum of Health and Medicine on June 22nd.



The table featured pinned museum specimens as well as live insects. Families enjoyed holding and feeding caterpillars and pupal stages, as well as a drawing table centered around scientific models of a praying mantis and spider.



Activities aimed to get kids familiar with metamorphosis, cultivate a respect for handling small live creatures, and to foster observational skills through art.

SEL at the First USDA AgriFood Innovation Event



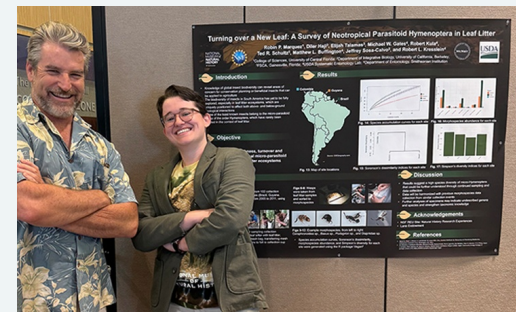
Thank you to Matt Buffington, Mike Gates, Rebecca Clement, Cecilia Escobar, Taina Litwak, and Yelena Pacheco for running the SEL table at the United States Department of Agriculture AgriFood Innovation Event on June 11th at the Andrew Mellon Auditorium.



The event featured great exhibits, conversation, lightning "TED" talks, and a plenary address by Secretary Vilsack. Many luminaries were in attendance including Chavonda Jacobs-Young, Simon Liu, and Sanah Baig.

SEL Intern Presents at Q?rius Event

Hymenoptera unit intern Robin P. Marquez worked under Mathew Buffington on the project "Turning over a New Leaf: A Survey of Neotropical Parasitoid Hymenoptera in Leaf Litter."



This took place over 10 weeks as part of the Natural History Research Experience. Participants presented their final projects and posters in the Q?rius Hall on August 1st.

2023 SI-NMNH Science Achievement Awards Recipients

Congratulations to the Systematic Entomology Laboratory recipients of the 2023 Smithsonian Institution National Museum of Natural History Science Achievement Award. In-house team members include Sean Brady, Matt Buffington, Michael Gates, Robert Kula, and David Smith (deceased).

Other authors featured include former postdocs who have since secured positions (Bonnie Blaimer, Bernardo Santos) or globally collaborating researchers (Astrid Cruaud, Istvan Miko, Elijah Talamas, and Jean-Yves Rasplus).

Awardees were announced and recognized at the All-Science Meeting held on July 10th.

Sentinel host and yellow pan trap survey of mealybug parasitoids in south Florida citrus and adjacent habitatsJeong H, **Gates M**, Quinn N.

Florida Entomological Society Annual Meeting, Jul 1-3, Quincy, Florida

Changes to North American Notodontidae classification in light of phylogenomicsSt Laurent R, **Goldstein PZ**.**Araceae-feeding Midilinae (Crambidae; Pyraloidea) in Costa Rica****Solis MA**, Vargas Alvarado J, Phillips-Rodriguez E, Hallwachs W, Janzen D.

Lepidopterists' Society 72nd Annual Meeting, Jul 13-18, Ithaca, New York

Branching Out: Exploring the Evolutionary Tree of Leaf Beetles (Chrysomelidae)

Pacheco Y, Konstantinov AS, Owen CL.

Mandibular rods: The form and function of a novel synapomorphy for the hymenopteran infraorder ProctotrupomorphaKresslein RL, Boudinot B, Ulmer J, Heraty JM, **Gates M**.**Mesoscale laminate structure and constitutive anisotropy in Polyneopteran head capsules****Jansen MA**, Luktuke A, Chawla N, Labonte D, Blanke A.**Phylogenomic reconstruction of the Aphididae phylogeny: Ancient rapid radiations are still difficult to resolve in the phylogenomics era**

Owen CL, Pacheco Y, Clement RA, Miller GL.

Phylogenomics of Agrilus woodboring beetles**Chamorro ML**, Kanda K, Gustafson G.**Taxonomic preparedness in parasitoid Hymenoptera: an essential element in effective biological control****Buffington ML**, Talamas E.

International Congress of Entomology 27th Meeting, Aug 25-30, Kyoto, Japan

Towards a phylogenomic supraspecific classification of the mainly parasitoid wasp family Braconidae (Ichneumonoidea)Zaldívar-Riverón A, Jasso-Martínez JM, Belokobylskij SA, **Kula RR**, Quicke DLJ, Shimbori EM, Fernández-Triana J, Santos BF, Castañeda-Osorio R.

10th Dresden Meeting on Insect Phylogeny, Sep 27-29, Dresden, Germany

New World Orphanostigma Guenée including new species from Costa Rica**Solis MA**, Cock MJW, Janzen DH, Hallwachs W

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