

BPRI

Behavioral Plasticity
Research Institute

OCTOBER NEWSLETTER

BPRI UPDATES

BPRI advisory meeting taking place on Wednesday, November 20th from 2:30 – 6pm.

Keep an eye out for the new goals and planning form (IDP) to be filled out online

UPCOMING TRAINEE CRASH COURSES

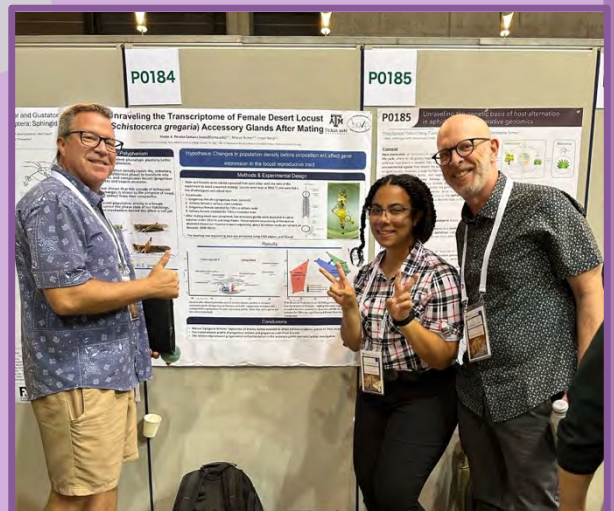
1. Managing Burnout and Holiday Stress – November 1st
2. Civil Discourse and Fostering Inclusion – November 15th

RESEARCH UPDATES

Audelia Mehti successfully passed her defence proposal

Vivian Peralta-Santana recently presented her research at ICE 2024 in Japan and got elected as the EEB student organisation president

Chris Brennan got an outstanding presentation of research award at the annual entomology graduate research forum



BPRI ENTSOC PRESENTATIONS & EVENTS

Sunday, November 10:

Britt Peterson: Impacts of phase, environment, and species on the microbiota in *Schistocerca* locusts from the Americas (9:30– 9:50am)

Neema John: How does marching affect locust carbohydrate and protein consumption? (9:36 – 9:48am)

Greg Sword: Cotton genotypes vary in foliar elicitation of plant defenses by fungal spores and subsequent effects on aphids (11:05 – 11:25am)

Arianne Cease: Nutritional ecology of solitary and gregarious Central American locusts, *Schistocerca piceifrons*, in Yucatán, Mexico (3:30 – 3:42pm)

Monday, November 11:

(good luck to all participating in the student competition!)

Audelia Mehti: To march or not to march: Quantifying patterns of collective movement across swarming and non-swarming *Schistocerca* species (9:48 – 10am)

Sydney Millerwise: Effect of population density and locust phase on viruses associated with Central American locusts, *Schistocerca piceifrons* (10:30 – 10:42am)

Vivian Peralta Santana: Mother knows best: Unraveling the transcriptome of female desert locust accessory gland after mating (11:18 – 11:30am)

Mehreen Tahir: High protein diet increases susceptibility of desert locust, *Schistocerca gregaria*, to *Metarhizium* biopesticide infection (11:18 – 11:30am)

Joseph Antwi: Investigating the role of *S. piceifrons piceifrons* gut bacteria in behavioral manifestations of locust phase shift (11:42 – 11:54am)

Tuesday, November 12:

Rick Overson: Impact through integration: A case study of the Global Locust Initiative and NSF-Behavioral Plasticity Research Institute (Poster)

Global Locust: Orthoptera Networking Event — Locust Plasticity and More! (4 – 5:30pm)

Wednesday, November 13:

Maeva Techer: Can cross-species temporal transcriptomic profiling pinpoint the molecular drivers of locust swarming? (9:30 – 9:42am)

Barani Raman: Invariant odor recognition in an insect olfactory system (4:35 – 4:55pm)