

Student Seminar Day
22 September 2026
Genomics Auditorium

8:30-8:55 Continental Breakfast and Coffee (Genomics Lobby)

8:55-9:05 Welcome Remarks – Dr. Erin Rankin, Vice Chair and Kerry Mauck, ISAC Chair

Jacqueline Holquinn, Master of Ceremonies

MORNING ORAL PRESENTATIONS
SESSION I (9:05 – 10:20)

- 9:05 Joseph Akolgo- Salt Residue Influences Oviposition Behavior in *Aedes aegypti*
9:20 Winnifred Opio Aool- Cold Days, Slow Bodies, Big Consequences: Movement and Reproductive Physiology of Overwintered Leaf-Footed Bugs
9:35 Tallisker Weiss- Temporal Dynamics and Network Structure of Pathogen Transmission in Wild Bee Communities
9:50 Mona Tran- From symbionts to sugar sensing: updates on untangling psyllid exploitation of host plants
10:05 Falon Butcher- He's got her outwinged - Phylogenetics, biogeography, and taxonomy of undescribed wing-dimorphic Mirinae from South Africa's Cape Floristic Province (Hemiptera: Miridae)

10:20-10:30 Break

MORNING ORAL PRESENTATIONS
SESSION II (10:30 – 11:45)

- 10:30 Jacqueline Holquinn- Assessing the effect of bed bug infestations on laying hens in cage-free housing
10:45 Jordan Reyes- Temporal and size-dependent responses to sublethal pyrethroid exposure in *Aedes aegypti*
11:00 Emily Ta- Bait Consumption and Starvation Tolerance Comparison Between Field-Resistant and Laboratory-Susceptible Strains of German Cockroaches (Blattodea: Ectobiidae)
11:15 Veronica Tyts- So many bugs in so little time: exploring diversification rate changes in Mirinae (Hemiptera: Miridae)
11:30 Kristi Gladem- Searching for Ant-swers: Separating cryptic *Formica* with genomics

11:45-12:00 Break & Group Photo (Entomology Courtyard)

12:00-1:00 PM Lunch (Entomology Courtyard)

Poster Presentations
Genomics Breezeway

POSTER SESSION I (1:00-1:40)

- Viviana Gonzales- Insecticide Resistance in *Bemisia tabaci* Middle East-Asia Minor 1 in California Vegetable and Melon Fields
Daniella Lu- Urban flowering plant microbiomes in response to temporal variations
Rattanan Chungswat- Accessibility to water influences the performance of inorganic dust against German cockroaches (Blattodea: Ectobiidae)
Adriane- Elizabeth Mendoza- Exposure to plant volatiles affects predator-prey dynamics in a squash agro ecosystem
Noah Bratz- Measuring the respiration rate of weevils for mass rearing protocols
Benjamin Van Raalte- Quantitative trait loci mapping of oviposition antibiosis resistance to *Bemisia tabaci* MEAM1 traits in melon line PI 122847
Joy Nguyen- Cucurbits vs Aphids: Defense activation from prior insect damage affects plant resistance to aphids
Leon Kataw- Measuring parasite-driven dysbiosis through feather and skin microbiome changes of northern fowl mite infested laying hens
Alejandra Rocha- Laboratory rearing methods for the avocado cone-roller (*Caloptilia* sp.)
Lauren Ho- Botanical volatile exposure links behavioral disruption to reduced reproductive performance in mosquitoes
Melissa Thayer- Infestation biology, host preference, and phenology of the black fig fly (Loncheidae: *Silba adipata*)
Mellisa Musekwa- Does Manure Management Matter? Effects of Cattle Manure Type on Arthropod Communities in Organic Corn
Liam Grooms- Body Weight Comparison Between Tetragonida angustula in Modified and Unmodified Tropical Forests at La Selva Research Station

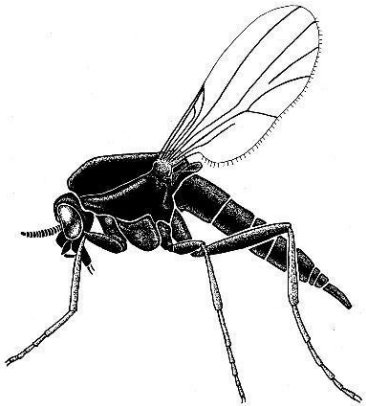
Poster Change out 1:40-1:45

POSTER SESSION II (1:45-2:30)

Steven Tran-Sugary Sense: a look into the expression of GR1 receptor of potato psyllid (*Bactericera cockerelli*)

- Kennedy White- Oviposition responses of resistant and susceptible *Aedes* mosquitoes to dissolved-solids residue
Ollies Lin- Size-mediated activity and reproduction impacts of irradiation for sterile insect technique in *Aedes aegypti*
Karthik Siva & Avi Shekhar - Using Markerless Tracking to Analyze Mosquito Host-Seeking Behavior
Camila Hernandez- Effects of Single and Dual Plant Volatile Exposure on Insect Pests of Squash Plants
Jun-Yin Lum- Prevalence of kdr and Rdl target-site mutations in field-collected German cockroaches (*Blattella germanica*)
Gwenivere Martin- Splitting Sculpture Patterns: A Generic Revision of African *Mateucharis* (Hymenoptera: Eucharitidae)
Jenni D. Garcia Quiceno- *Diomus pumilio* support biological control of *Diaphorina citri* in a high-risk residential buffer zone in California
Nagham Melhem- Determination of Ecdysteroidogenic Tissues in *Aedes aegypti* Larvae
Joelene Tamm- Managing *Agrilus auroguttatus** Schaeffer, 1905 (Coleoptera: Buprestidae), in Large Woody Debris: Operational Efficacy of Pile Burning for On-Site Pest Containment
MC Fox- Seeing red: looking into the taxonomy and phylogenetics of Mesoamerican *Lopidea* Uhler (Miridae: Orthotylinae)
Jorge Mora- Microbial community composition of pollen provisions of *Osmia lignaria* (Megachilidae) in California ecosystems

2:30-2:40 Break



Molly Barber, Master of Ceremonies

**AFTERNOON ORAL PRESENTATIONS
SESSION III (2:40 – 3:40)**

- 2:40 Bhawana Regmi**- A Review of Veterinary Parasiticides and Their Effects on Dung-Associated Insects
- 2:55 Tzu-Chia Chen**- The Evolutionary History of the Subterranean Termite Genus *Reticulitermes* (Isoptera: Heterotermitidae) in Southern California
- 3:10 Sarah Schroeder**- Biogeographic vignettes through Phylinae (Heteroptera: Miridae)
- 3:25 Wenbo Li**-Feeding Responses to Proctodeal Trophallaxis–Associated Cues in the Western Drywood Termite

3:40-3:50 Break

**AFTERNOON ORAL PRESENTATIONS
SESSION IV (3:50 – 5:00)**

- 3:50 Helen Vo**- Sum or Synergy: The Effects of Multiple Stressors on Bumble Bee Gene Expression
- 4:05 Jina Malone**- Immune Response of California Honey Bee to Varroa Mite Exposure
- 4:15 Sakshi Watts**- Ecological and host population drivers of Varroa destructor infestation trajectories in honey bee (*Apis mellifera*) colonies
- 4:30 Molly Barber**- Facilitative Effects of Native Seed Predators on Invasive Cotton Seed Bug
- 4:45 Melissa Arellano**- Optimization of eDNA methods for detection, monitoring, and conservation of wild bumble bees

**Welcome
New Entomology Graduate Students:**

Falon	Butcher	Dr. C Weirauch
Christopher	Dorcoo	Dr. L Cosme
Jordan	Dubeck	Dr. Y Giraldo
Chase	Ellis	Dr. A Murillo
Marlene	Hernandez	Dr. B Cass
Song Xuan	Lum	Dr. C-Y Lee
Ashley	McKnight	Dr. D-H Choe
Cameron	Zappetta	Dr. M Adams



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