

8<sup>TH</sup> ANNUAL CORNELL ENTOMOLOGY SYMPOSIUM  
 January 18<sup>th</sup>, 2019  
 Morison Room, A106 Corson Mudd Hall, Cornell University

Time	Presenter	Title
9:00		<b>Welcome*</b>
9:15-9:20		Opening Remarks
9:20	Michael Sheehan, <i>Invited faculty speaker</i>	Genomic approaches to understanding social trait evolution
10:20		<b>Break*</b>
10:40	Ashley Jernigan	Soil microarthropod ecology: Functional roles of microarthropods in agroecosystems
10:55	Matt Boucher	How bacterial exudates contribute to acquisition and transmission of plant diseases by insects
11:10	Natalie Bray	Soil macroinvertebrates shape microbial communities and stimulate microbial activity in the rhizosphere
11:25	Juan Silva	Exon conservation of the <i>voltage-sensitive sodium channel</i> in insects
11:40	Yinjun Fan	How do recombination and mutation contribute to the evolution of sodium channel mutations in <i>Aedes aegypti</i> ?
11:55		<b>Lunch*</b>
1:00	Kara Fikrig	The feeding ecology of <i>Aedes albopictus</i> mosquitoes in Long Island, New York
1:15	Talya Shragai	Diapause adaptation in <i>Aedes albopictus</i> along an invasive edge
1:30	Bretta Hixson	The Achilles gut: Does epithelial regeneration contribute to mosquitoes' survival of pathogenic invasion?
1:45	John McMullen	Non-additive effects of the gut microbiome on <i>Drosophila</i> nutrition
2:00	Katie Gordon	Trade-offs between reproduction and immunity in female <i>Drosophila melanogaster</i>
2:15		<b>Break*</b>
2:35	Kaitlin Deutsch	The effect of landscape context on hoverfly abundance and diversity
2:50	Silas Bossert	Pollinivory and the diversification dynamics of bees

3:05	Diana Obregon Corredor	Effects of landscape simplification on <i>Tetragonisca angustula</i> populations
3:20	Anna Giesmann	Impact of high temperature exposure on the survival and infectivity of commercially available entomopathogenic nematodes: <i>Steinernema carpocapsae</i> , <i>Steinernema feltiae</i> , and <i>Heterorhabditis bacteriophora</i>
3:35	Lindsay Fennell	Pest management tactics have seasonal impacts on the biological control potential of entomopathogenic fungi
3:50		<b>Break*</b>
4:00	Carrie Preston	Prevalence of <i>Nosema maddoxi</i> in brown marmorated stink bug ( <i>Halyomorpha halys</i> ) populations in the US
4:15	Brandon Everhart	Forensically important blow flies collected from human remains in western Colorado
4:30	Julie Davis	Ecological consequences of induced defense in <i>Physalis peruviana</i>
4:45	Zoe Getman-Pickering	Fair-weather friends: the context dependent role of mycorrhizae in plant herbivore interactions

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**\*The welcome and breaks will have coffee, tea and light refreshments available. The complimentary lunch will have vegan, vegetarian, and gluten free options. If you need other dietary accommodations please contact Jamie Freeman (jcf236).**

**Any persons who anticipate needing accommodations or who have questions about physical access, please contact Jamie Freeman (jcf236, 607-255-5507) in advance of the symposium.**