

**SUNDAY –  
JUNE 11<sup>th</sup> 2023**

**Barron's Creek Conference Center**

3:00 PM	<b>REGISTRATION</b>	
3:30 PM	<b>Kimberly H. Lohmeyer</b> USDA-ARS, Kerrville TX	Shaping the future through the lens of our past: Celebrating the history of the Knipling-Bushland U.S. Livestock Insects Research Laboratory
3:50 PM	<b>Alex Arp</b> USDA-ARS, Kerrville TX	You just can't castrate enough flies: The history of USDA-ARS screwworm research
4:10 PM	<b>Donald B. Thomas</b> USDA-ARS, Edinburg TX	History of cattle vever tick eradication (or USDA kicks tick ass and saves the livestock industry's butt)
4:30 PM	<b>Alec Gerry</b> University of California – Riverside	History of the LIWC - reminiscing on our collective past
4:50 PM	<b>Kimberly H. Lohmeyer</b> USDA-ARS, Kerrville TX	In Memoriam
5:00 – 7:00 PM	<b>WELCOME RECEPTION, CYPRESS ROOM (POOLSIDE)</b>	

**MONDAY –  
JUNE 12<sup>th</sup> 2023**

**Barron's Creek Conference Center**

7:45 AM	<b>REGISTRATION</b>	
8:15 AM	<b>Pia Untalan Olafson</b> USDA-ARS, Kerrville TX	<b>Welcome</b>
8:27 AM	<b>Clayton Myers</b> USDA Office of Pest Management	Regulatory updates from USDA's Office of Pest Management Policy: The intersection of science, economics, policy, and law
8:51 AM	<b>Raymond Fitzpatrick</b> University of Georgia	From Saturday morning cartoons to vampire ticks ( <i>Haemaphysalis longicornis</i> )
9:03 AM	<b>Becky Trout Fryxell</b> University of Tennessee Knoxville	Developing the basics of an integrated pest management plan for the exotic and invasive Asian longhorned tick ( <i>Haemaphysalis longicornis</i> Neumann)
9:15 AM	<b>Rebecca Butler</b> University of Tennessee Knoxville	An assessment of life history strategies of the Asian longhorned tick ( <i>Haemaphysalis longicornis</i> ) in Tennessee
9:30 - 9:45	<b>BREAK</b>	
9:45 AM	<b>Katy Smith</b> University of Tennessee Knoxville	Developing a S.M.A.R.T. surveillance platform for fly and tick detection in beef cattle

**65<sup>th</sup> Livestock Insect Workers Conference**  
June 11 – 14, 2023 / Fredericksburg, Texas

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9:57 AM	<b>Amy Murillo</b> University of California - Riverside	Treatment of chickens with thyme essential oil for northern fowl mite control
10:09 AM	<b>Issac Perez</b> Texas A&M University	Population study of non-biting insect vectors of enteric pathogens in broiler farms
10:21 AM	<b>Elizabeth Holda</b> Texas A&M University	Insect as vectors of enteric pathogens and antimicrobial resistance genes on broiler facilities
10:33 AM	<b>Nancy Hinkle</b> University of Georgia	The Southern Region delusional infestation working group
10:45 AM	<b>Jerry Hogsette</b> USDA-ARS, Gainesville	Resumption of stable fly and house fly research at post-Covid Center for Medical and Veterinary Entomology (CMAVE)
<b>11:00 - 11:15</b>	<b>BREAK</b>	
11:15 AM	<b>Lauren Beebe</b> Texas A&M University	Examining stable fly, <i>Stomoxys calcitrans</i> (Linnaeus 1758) host selection through molecular identification of blood meals.
11:27 AM	<b>Emmanuel Hung</b> Simon Fraser University	Host-seeking stable flies, <i>Stomoxys calcitrans</i> , preferentially alight on objects with conspecifics present
11:39 AM	<b>Saif Nayani</b> Simon Fraser University	Bovine mastitis, <i>Staphylococcus aureus</i> , and stable flies: Evidence for a (not so positive) positive feedback loop
11:51 AM	<b>Emma Kovacs</b> Simon Fraser University	Attraction of horn flies, <i>Haematobia irritans</i> , and stable flies, <i>Stomoxys calcitrans</i> , to cattle host semiochemicals
12:03 PM	<b>Ulises Sanchez Sandoval</b> New Mexico State University	Evaluating the efficacy of a pour-on formulation against permethrin resistant and susceptible horn flies (Diptera: Muscidae) on beef heifers receiving artificial rainfall in a controlled environment
<b>12:15 - 2:00</b>	<b>LUNCH ON YOUR OWN</b>	
2:00 PM	<b>Justin Talley</b> Oklahoma State University	How to measure impact in a complicated livestock landscape for Extension programming.
2:12 PM	<b>Rebecca Lett</b> Arkansas State University	Past and present abundance of three dung beetle species in a cattle pasture in northeast Arkansas 15 years apart
2:24 PM	<b>Brenda Leal-Galvan</b> Texas A&M University	The microRNA profile of the semi-engorged female black-legged tick
2:36 PM	<b>Kevin Temeyer</b> USDA-ARS, Kerrville TX	Summary of recent research progress on biting flies and ticks
2:48 PM	<b>Danie Wood/ Cassandra Madden</b> University of Manitoba	Abundance of American dog ticks, <i>Dermacentor variabilis</i> (Say), and tick-cattle interactions on beef cattle production pastures in Southern Manitoba. / Blacklegged ticks, <i>Ixodes scapularis</i> (Say), abundance and distribution on pastures in Manitoba, Canada.
<b>3:00 - 3:15</b>	<b>BREAK</b>	

3:15 PM	<b>Taylor Chapman</b> Texas A&M University	Phylogenetic lineages in the brown dog tick ( <i>Rhipicephalus sanguineus</i> ) species complex in submitted NCBI sequences
3:27 PM	<b>Emra Ozel</b> Texas A&M University	Pathogen prevalence, pyrethroid resistance and genetic Lineages in brown dog tick ( <i>Rhipicephalus sanguineus</i> ) populations in Texas
3:39 PM	<b>Caleb Hubbard</b> University of California - Riverside	Beyond imidacloprid: Evaluating neonicotinoid behavioral resistance in house flies
3:51 PM	<b>Laura Harmon</b> University of California - Riverside	Survey of <i>Culicoides</i> species in the western United States
4:03 PM	<b>Blythe Lawson</b> University of Arkansas	Exploring the potential of fluralaner in vector control for biting midges.
<b>4:15 - 4:30 BREAK</b>		
4:30 PM	<b>Brad Mullens</b> University of California - Riverside	Parasite Load Effects on <i>Heleidomermis magnapapula</i> in <i>Culicoides sonorensis</i>
4:42 PM	<b>Barbara Drolet</b> USDA-ARS, Manhattan KS	Why are biting midges so efficient in transmitting viruses?
4:54 PM	<b>Alec Gerry</b> University of California - Riverside	Wintertime activity of adult <i>Culicoides sonorensis</i> and implications for overwintering of bluetongue virus in California
5:06 PM	<b>Bethany McGregor</b> USDA-ARS, Manhattan KS	Blood feeding patterns of <i>Culicoides</i> biting midges in Northeastern Kansas
5:18 PM	<b>Phillip Shults</b> USDA-ARS, Manhattan KS	Utilizing molecular tools to study biting midges

**DINNER ON YOUR OWN**

**TUESDAY –**

**JUNE 13<sup>th</sup> 2023**

**Barron's Creek Conference Center**

**8:00 - 8:45 INDUSTRY SESSION**

	<b>Maurya Abhinav</b> Apex Bait Technologies	Apex-FLB: A novel approach to controlling stable flies in livestock production systems.
8:45 AM	<b>Pete Teel</b> Texas A&M University	Identification of ixodid tick species by Raman-based spectroscopic analysis of their feces
8:57 AM	<b>Samantha Hays</b> Texas A&M University	Detection of winter tick, <i>Dermacentor albipictus</i> , infestations using near infrared reflectance spectroscopy of bovine feces

9:09 AM	<b>Sarah Maestas</b> Texas A&M University	Host and pathogen associations of soft ticks in South Texas
9:21 AM	<b>Emily McDermott</b> University of Arkansas	Prevalence of <i>Ehrlichial</i> pathogens in <i>Amblyomma americanum</i> collected from cattle in Arkansas
9:33 AM	<b>Taylor Donaldson</b> Texas A&M University	Spatial-temporal landscape-use patterns of cattle on rangeland infested with <i>Rhipicephalus (Boophilus) microplus</i>
<b>9:45 - 10:00</b>	<b>BREAK</b>	
10:00 AM	<b>Charluz Arocho Rosario</b> Texas A&M University	Off host longevity of cattle fever ticks in South Texas pasture (Acari:Ixodidae)
10:12 AM	<b>Xinyue Huang</b> Texas A&M University	Detection of ivermectin target-site resistance and metabolic resistance in the southern cattle tick, <i>Rhipicephalus (Boophilus) microplus</i>
10:24 AM	<b>John Goolsby</b> USDA-ARS, Edinburg TX	Development of biological control methods for cattle fever ticks
10:36 AM	<b>Jason Tidwell</b> USDA-ARS, Edinburg TX	Identifying the sex chromosome in the cattle tick, <i>Rhipicephalus (Boophilus) microplus</i> , merging bioinformatics and biology
10:48 AM	<b>Brandon Lyons</b> Texas A&M University	Predilection sites of <i>Rhipicephalus (Boophilus) microplus</i> larvae and nymphs on cattle
11:00 AM	<b>Lauren Maestas</b> USDA-ARS, Edinburg TX	Tick fauna of south Texas: do field surveillance operations give an accurate account of species diversity and what can we learn about wildlife-livestock interactions?

**AFTERNOON FREE**

**11:30 – 5:00**      11:30 AM      Shuttles depart from hotel lobby for Kerrville excursion and Fredericksburg wine tour

**AWARDS BANQUET**

Luckenbach Dance Hall  
Luckenbach, Texas

**6:00 – 9:00**

5:15 PM

**SHUTTLES START DEPARTING HOTEL TO LUCKENBACH**  
(3 passenger buses on rotating basis)

*\*shuttles start departing back to hotel at 7:30p until last shuttle at 9:15p*

**WEDNESDAY –  
JUNE 14<sup>th</sup> 2023**

**Barron's Creek Conference Center**

**8:00 - 9:00 BUSINESS MEETING**

9:00 AM **Aaron Tarone**  
Texas A&M University Exploring eBeam as an alternate radiation source for the screwworm eradication program

9:12 AM **Cameron Bright**  
Texas A&M University Experiences with low energy electron beam experiments with screwworms

9:24 AM **Abigail Orr**  
Texas A&M University Investigating blow fly associated bacteria and viruses

9:36 AM **Wes Watson**  
North Carolina State University Secondary screwworm and bronze blow fly responses to olfactory cues.

9:48 AM **Paige Alexander**  
Michigan State University Throw out the honey, bring out the catfish: Examining the effectiveness of Calliphoridae (Diptera) bait

**10:00 - 10:15 BREAK**

10:15 AM **Mackenzie Tietjin**  
USDA-ARS, Kerrville TX Whole genome re-sequencing of samples from the recent outbreak in Panama of the New World screwworm (*Cochliomyia hominivorax*).

10:27 AM **Paul Hickner**  
USDA-ARS, Kerrville TX The *Cochliomyia macellaria* genome provides insights into the evolution of parasitism in the blow flies (Calliphoridae)

10:39 AM **Alex Arp**  
USDA-ARS, Kerrville TX Development of two early acting promotor strains of New World screwworm

10:51 AM **Alexis Kriete**  
North Carolina State University A conditional sex transformation system in *Lucilia cuprina* for improved screwworm control

11:03 AM **Sarah Hudadoff**  
North Carolina State University Targeted gene insertion using PhiC31 integrase in *Lucilia cuprina*, the Australian sheep blowfly, for germline promoter evaluation

11:15 AM **Max Scott**  
North Carolina State University Progress towards improved genetic biocontrol of two livestock pests: primary screwworm and the Australian sheep blow fly

11:30 AM **CLOSING REMARKS**