

SUNDAY
June 23rd, 2024
The Terrace-Bistro

4:00-5:30 PM Registration

6:00-8:00 PM Reception and light refreshments

MONDAY
June 24th, 2024
Mercury/Saturn Room

7:30 AM Registration

8:00 AM Welcome to LIWC 2024

8:15 AM Memorial Lecture

8:30 AM “Friends of IPM” Award

Presented by Southern Integrated Pest Management Center

8:45 AM Clayton Myers
USDA, Office of Pest Management Policy

Regulatory Update and Activities of USDA - OPMP

9:15 AM Nancy C. Hinkle
University of Georgia

How will Veterinary Entomologists Benefit from the Southern Region Delusional Infestation Working Group and Its Outputs?

9:30 AM Break

10:15 AM Sarah Maestas
University of Texas Rio Grande Valley

Developing a Vector-borne Disease Ecology Program in South Texas: Challenges and Opportunities

10:30 AM Blythe E. Lawson
University of Arkansas

Successful Microencapsulation of Fluralaner and Its Potential as a Larvicide for Vector Control.

10:45 AM Rebecca Trout Fryxell
University of Tennessee

A Proposal to Develop REEVES (Research and Extension Experiences in Veterinary Entomology for Students)

11:00 AM Alex P. Arp
USDA-ARS-Kerrville/Panama

Mass Production Parameters Failed to Detect Screwworm Strain Deterioration. What do Female Screwworm Look for that We Don't?

11:15 AM Paul V. Hickner
USDA-ARS-Kerrville

Comparative Genomics Reveals Insights into the Evolution of Feeding Habits in the Blow Flies (Calliphoridae)

11:30 AM Abigail Orr
Texas A&M University

Assessing the Potential Use Blow Fly Sampling in Xenosurveillance of Pathogens in the Environment

11:45 AM Lunch

1:30 PM Tammi L. Johnson
Texas A&M University

Nilgai Antelope Display No Signs of Infection When Challenged with a Virulent Strain of *Babesia bovis*

1:45 PM Lauren P. Maestas
USDA-ARS-CFTRU

Do Cattle Exhibit Avoidance Behavior to *Rhipicephalus (Boophilus) microplus* in a Highly Infested Pasture

2:00 PM	Emily McDermott University of Arkansas	Natural Panola Mountain <i>Ehrlichia</i> Infections in Angus Beef Cattle
2:15 PM	Perot Saelao USDA-ARS-Kerrville/VPGRU	Improving the De Novo Genome Assembly for <i>Amblyomma americanum</i> : Insights into Laboratory Strain Evolution and Natural Population Variation
2:30 PM	Jason Tidwell USDA-ARS-CFTRU/TAMU	Finding the Sex Chromosome in the Cattle Tick, <i>Rhipicephalus (Boophilus) microplus</i>
2:45 PM	Donald B Thomas USDA-ARS Cattle Fever Tick Lab	Diagnosis: Horse Tick
3:00 PM	Break	
3:30 PM	Ashley Di Agostino Oklahoma State University	Evaluating a Binomial Sequential Sampling Model for the Horn Fly, <i>Haematobia irritans</i> , Based on Hide Color of the Animal.
3:45 PM	Pia Untalan Olafson USDA-ARS-Kerrville	Detection of <i>Stephanofilaria sp.</i> Nematode DNA in Horn Flies from Beef Cattle in Oklahoma and Texas: A Preliminary Study
4:00 PM	Xinyue Huang Texas A&M University	Alternative Splicing of Glutamate-gated Chloride Channels in the Cattle Tick, <i>Rhipicephalus microplus</i> , and Its Implications for Ivermectin Resistance
4:15 PM	K.V. Smith University of Tennessee	Detection and Response to <i>Haemaphysalis longicornis</i> and <i>Theileria orientalis</i> Ikeda on a Cow-Calf Farm in Tennessee
4:30 PM	Elise A. Richardson North Carolina State University	Mechanical Biomineral Acaricides Active Against Ticks
4:45 PM	Alondra Hernandez University of Texas Rio Grande Valley	Investigating the Effects of Temporal and Vegetation Factors on Cattle Fever Tick <i>Rhipicephalus (Boophilus) microplus</i> Questing Patterns
5:00 PM	End of Session	

TUESDAY
 June 25th, 2024
Mercury/Saturn Room

8:00-9:30 AM	Industry Section	
8:00 AM	William G. Reifenrath Stratacor, Inc.	Formulation of a Fatty Acid Emulsifiable Concentrate as a Biopesticide for Livestock Fly Control
8:15 AM	Bill Donahue Sierra Research Laboratories, Inc.	Sterile Insect Technique (SIT) a Success Story: The History of the Primary Screwworm Fly and the Cattle Industry
8:30 AM	Damien MOREL Bestico Group	Biological control in European Livestock Farming: State of the Art and Perspectives
8:45 AM	William G. Reifenrath Stratacor, Inc.	Field Testing a Free Fatty Acid (FFA) Formulation Concentrate for Livestock Horn Fly Control
9:00 AM	Open Floor to Industry Members	
9:30 AM	Break	
10:00 AM	Lauren Beebe Texas A&M University	Host Identifications from Stable Fly, <i>Stomoxys calcitrans</i> (Linnaeus 1758), Bloodmeals at a Texas Wildlife Park
10:15 AM	John Wang USDA-ARS-RMRU	RNAi in Stable Fly Management?
10:30 AM	Gerard Duvallat University of Montpellier	A New Approach Toward Stable Fly Management
10:45 AM	Mary Katherine Mills University of South Carolina Aiken	The Trophic Turning Point: Identifying this Key Stage of Egg Development in Stable Flies and Midges
11:00 AM	Jerry Hogsette USDA-ARS-CMAVE	Studies with Flies and Mosquitoes at USDA-CMAVE-Gainesville
11:15 AM	Alec Gerry and Xinmi Zhang UC Riverside	Influence of Environmental Variables on Host-seeking Activity of the Biting Midge <i>Culicoides sonorensis</i>
11:30 AM	Cassandra Steele University of Arkansas	Exploring <i>Culicoides</i> Host Associations Through Blood Meal Analysis
11:45 AM	Yeaun Park The Ohio State University	The Effects of Ambient Temperature on the Efficacy of Mosquito Repellents
12:00 PM	Lunch offsite on your own	
1:30 PM	Free Afternoon	
6:00 PM	Cocktails (Galaxy Room)	
7:00 PM	Banquet and Awards (Galaxy Room)	

WEDNESDAY
June 26th, 2024
Mercury/Saturn Room

8:00 AM	Business Meeting	
9:00 AM	Emrah Ozel Texas A&M University	An Unusual Outreach Strategy: Using Bioinformatics to Introduce Entomology and Genetics to Undergraduate Students from Diverse Backgrounds
9:15 AM	David Luecke USDA-ARS-Kerrville	A 2024 Survey of Arthropod Genome Sequencing Methods and Key Decisions in Project Planning
9:30 AM	Cameron J. Osborne University of Arkansas	Developing Metagenomic Approaches for Screening Filth Flies to Predict Human Pathogen Risks
9:45 AM	Dana Nayduch USDA-ARS-ABADRU	House Fly Metagenomics as a Surveillance Tool for Microbial Threats to Cattle and Humans
10:00 AM	Break	
11:15 AM	Travis W Rusch USDA-ARS-ABADRU	Steps Towards a Better Understanding of Temperature Dependent House Fly (<i>Musca domestica</i>) Activity
11:30 AM	Jimmy B. Pitzer, Jr. California State University	Increased Adult House Fly Susceptibility to Commercial Insecticidal Bait Products Following Antibiotic Exposure
11:45 AM	Raymond Fitzpatrick University of Georgia	Controlling <i>Alphitobius diaperinus</i> in Commercial Poultry Operations
12:00 PM	Closing Remarks	