

The 64th Annual James Steele Conference on Diseases in Nature Transmissible to Man
June 25-27, 2014
Omni Mandalay Hotel, Irving, Texas

Wednesday, June 25, 2014

7:00 **Registration Table Opens – Las Colinas Ballroom Foyer**

7:00 **Meeting Room Opens – Las Colinas Ballroom (Salons E-F)**

7:30-8:30 **Continental Breakfast – Las Colinas Ballroom Foyer**

7:55 **Call to Order and Announcements**

Bonny C. Mayes, MA, Department of State Health Services, Austin, TX

Pamela Wilson, RVT, MEd, MCHES, Department of State Health Services, Austin, TX

8:10 **Welcome Remarks**

Michael E. Merchant, PhD, BCE, Texas A&M AgriLife Extension Service, Dallas, TX

8:30-10:00 Session I: Rabies 1

Moderator: Pamela J. Wilson, RVT, MEd, MCHES, Department of State Health Services, Austin, TX

8:30 **Epidemiology of Rabies in Bats in Texas (2001-2010)**

Bonny C. Mayes, MA, Department of State Health Services, Austin, TX

9:00 **Assessment of Rabies Exposure Risk Among U.S. Air Force Basic Trainees, Joint Base San Antonio-Lackland, January, 2014**

Brad S. Winterton, DVM, MPH, DACVPM, U.S. Air Force, Joint Base San Antonio-Lackland, TX

9:30 **Rabies in Texas, 2013**

Laura Robinson, DVM, MS, Department of State Health Services, Austin, TX

10:00 **Refreshment Break – Las Colinas Ballroom Foyer**

10:30-12:00 Session II: West Nile Virus

Moderator: Kristy Murray, DVM, PhD, Baylor College of Medicine, Houston, TX

10:30 **West Nile Encephalitis and Poliomyelitis in a 12 Year Old**

Ashlesha Kaushik, MD, University of Texas Southwestern, Dallas, TX

11:00 **West Nile Virus in Tarrant County, Texas – History and Outbreak Aftermath**

Rune-Par Nilsson, PhD, Tarrant County Public Health, Fort Worth, TX

11:30 **West Nile Virus in Tarrant County, Texas – Surveillance Program Improvements Post-Outbreak**

Nina M. Dacko, MS, Tarrant County Public Health, Fort Worth, TX

12:00-1:30 **Lunch On Your Own**

1:30-3:30 Session III: Tick-Borne Zoonoses

Moderator: Ken Waldrup, DVM, PhD, Department of State Health Services, El Paso, TX

1:30 **Ticks and Tick-borne Pathogens in Texas: Updates From the Field and Lab on Three Eco-epidemiological Studies**

Sarah A. Hamer, MS, PhD, DVM, Texas A&M University, College Station, TX

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- 2:00 **Tick-borne Infectious Agents in Nature: Simulated Effects of Host Community Changes on Spatial-Temporal Prevalence in Three-host Ticks**
Hsiao-Hsuan Wang, PhD, Texas A&M University, College Station, TX
- 2:30 **Implications of Climate Change on the Distribution of the Tick Vector *Ixodes scapularis* and Risk for Lyme Disease**
Maria D. Esteve-Gassent, PhD, Texas A&M University, College Station, TX
- 3:00 **Serological Evidence for Tick-borne Relapsing Fever Borelliosis in a Patient from Kerr County, Texas**
Job Lopez, PhD, Mississippi State University, Starkville, MS
- 3:30 **Refreshment Break – Las Colinas Ballroom Foyer**

4:00-5:30 Session IV: Parasitic Zoonoses

Moderator: Melinda Hergert, BVSc, DVM, MPhil, MPVH, PhD, Department of State Health Services, Tyler, TX

- 4:00 **Cutaneous Leishmaniasis in Cuban Immigrants to Texas Who Traveled Through the Darien Jungle, Panama**
Meagan A. Barry, BA, MD/PhD Candidate, Baylor College of Medicine, Houston, TX
- 4:30 **Visceral Leishmaniasis in India: Simulation of Alternative Control Strategies Using Systemic Insecticides Orally Administered to Cattle**
David M. Poché, BS, Texas A&M University, College Station, TX
- 5:00 **Severe Malaria by *Plasmodium falciparum* in a Patient with Sickle Cell Disease (HbSS)**
Ashlesha Kaushik, MD, University of Texas Southwestern, Dallas, TX
- 5:30-7:00 **Happy Hour Reception – Lakeside Courtyard**
(In case of inclement weather, the reception will be held in the Enjolie Room)
Complimentary hors d'oeuvres and cash bar

Thursday, June 26, 2014

- 7:00 **Registration Table Opens – Las Colinas Ballroom Foyer**
- 7:00 **Meeting Room Opens – Las Colinas Ballroom (Salons E-F)**
- 7:30-8:30 **Continental Breakfast – Las Colinas Ballroom Foyer**
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8:00 – 10:00 Session V: Chagas Disease

Moderator: Jeffrey M.B. Musser, DVM, PhD, DABVP-Dairy, Texas A&M University, College Station, TX

- 8:00 **The Biology of Triatomine Bugs Native to South Central Texas and Assessment of the Risk They Pose for Autochthonous Chagas Disease Exposure**
Edward J. Wozniak, DVM, PhD, MPH, Department of State Health Services, Uvalde, TX
- 8:30 ***Trypanosoma cruzi* Infection Prevalence and Blood Meal Analysis in Vectors of Chagas Disease in Southwest Texas, 2013-2014**
Rodion Gorchakov, MS, Baylor College of Medicine, Houston, TX

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9:00 **Chagas Disease Ecology in Texas: A Look at Geographic Distribution of Vector Species and Parasite Strains**
Rachel Curtis, BS, Texas A&M University, College Station, TX

9:30 **Development of Chagas Cardiac Manifestations Among Texas Blood Donors: A Hidden Cause of Cardiomyopathy in the United States**
Melissa N. Garcia, MPH, Baylor College of Medicine, Houston, TX

10:00 **Refreshment Break – Las Colinas Ballroom Foyer**

10:30-12:00 Session VI: Arboviral Diseases

Moderator: Thomas J. Sidwa, DVM, MPH, Department of State Health Services, Austin, TX

10:30 **Emergence of Arboviral Diseases in Texas**
Kristy Murray, DVM, PhD, Baylor College of Medicine, Houston, TX

11:30 **Modeling the Enzootic Cycle of West Nile Virus and Rift Valley Fever Virus in the United States**
Gabriel Hamer, PhD, Texas A&M University, College Station, TX

12:00 – 1:45 J.V. Irons Memorial Luncheon and Lecture

Moderator: Jeffrey M.B. Musser, DVM, PhD, DABVP-Dairy, Texas A&M University, College Station, TX

12:00 **Buffet – Las Colinas Ballroom (Salons A-D)**

12:25 **In Memoriam: Dr. James Steele, 1913-2013**
Thomas Murnane, DVM, U.S. Army (Brigadier General, Retired), Fort Worth, TX
Craig Carter, DVM, PhD, DACVPM, University of Kentucky, Lexington, KY
Kristy Murray, DVM, PhD, Baylor College of Medicine, Houston, TX

12:45-1:45 **J.V. Irons Keynote Lecture**
ONE HEALTH: Human Health, Animal Health, and the Intersection of Health with Natural and Man-Made Environments
Eleanor Green, DVM, DACVIM, DABVP, College of Veterinary Medicine and Biomedical Sciences, Texas A&M University, College Station, TX

2:00 – 3:30 Scientific Poster Session
Enjolie Room (Lake Level)

2:00 **Desserts and Beverages Served**

3:30 – 5:00 Session VII: Rabies 2

Moderator: James L. Alexander, DVM, MPVM, DACVPM, Department of State Health Services, Canyon, TX

3:30 **When the “Impossible” Happens – Rabies in a Currently Vaccinated Central Texas Dog**
Beverlee E. Nix, DVM, MPH, Department of State Health Services, Temple, TX

4:00 **Factors Associated with the Rabies Vaccination Status of Dogs in KwaZulu-Natal, South Africa**
Melinda Hergert, BVSc, DVM, MPhil, MPVH, PhD, Department of State Health Services, Tyler, TX

4:30 **Complexities of Safe and Successful Oral Rabies Vaccine (ORV) Operations**
Bradley Hicks, BS, USDA-APHIS Wildlife Services, Austin, TX

5:00 **Adjourn**

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8:00 – 10:00 Session VIII: Bacterial Zoonoses

Moderator: Laura Robinson, DVM, MS, Department of State Health Services, Austin, TX

8:00 **Confirming Brucellosis in an Individual Feral Boar**
Glennon Mays, DVM, Texas A&M University, College Station, TX

8:30 **Amikacin Resistance in *Staphylococcus pseudointermedius* Isolated from Dogs**
Randi M. Gold, VMD, Texas A&M University, College Station, TX

9:00 **Methicillin Resistant *Staphylococcus aureus* Carriage in Dogs, Cats, and Horses of Central Texas**
Diane Hartman, DVM, Baylor University, Waco, TX

9:30 **Psittacosis Infection from Feral Populations of Rosy Faced Love Birds, Maricopa County, Arizona, 2013**
Craig Levy, BS, MS, Maricopa County Department of Public Health, Phoenix, AZ

10:00 **Refreshment Break – Las Colinas Ballroom Foyer**

10:30 – 12:00 Session IX: Population Health

Moderator: John Herbold, DVM, MPH, PhD, DACVPM, DACAW, FACE, FNAP, John Herbold Consulting, San Antonio, TX

10:30 **Hepatitis E Seroprevalence in Strayed, Owner-Surrendered, and Owned Canines, Smith County Texas**
Andrea Grzybowski, MS, University of Texas at Tyler, Tyler, TX

11:00 **A Comprehensive Approach to Infectious Disease Control in a Public Animal Shelter**
Stacy Wright, MS, RS, REM, MAC, ACO, City of Farmers Branch, Farmers Branch, TX

11:30 **Diagnosis and Treatment of Lyme Disease in the Southern U.S.: Perceptions Within the Patient Community**
Thomas A. Jeffreys, BS, Texas A&M University, College Station, TX

12:00 **Adjourn**