

DIAGNOSTICS OF ENDEMIC & EMERGING DISEASES: BEYOND THE STATUS QUO

June 11-13, 2018 • Kansas State University Alumni Center

Monday, June 11, 2018	
12:00 PM – 6:00 PM	Registration Desk Open
1:00 PM – 4:00 PM	Special Session Necropsy Lab Workshop Moderator: Dr. Jamie Henningson Presenter: Dr. Brad Njaa
5:30 PM – 6:30 PM	Poster Session
6:30 PM – 7:30 PM	Dinner
7:30 PM – 8:30 PM	Keynote: “Infectious Disease Diagnostics: Past, Present, and Future” Dr. Jamie Henningson & Dr. Jerome Nietfeld
Tuesday, June 12, 2018	
7:30 AM – 12:00 PM	Registration Desk Open
8:30 AM – 8:45 AM	Welcome and Introduction Juergen Richt (Kansas State University – CEEZAD) Jamie Henningson (Kansas State University – KSVDL)
8:45 AM – 10:00 AM	Session I Molecular & Serological Diagnostics: Endemic Workshop - Dr. Doug Marthaler & Dr. Jerome Nietfeld, Chairs
	Dr. Sabrina Swenson – USDA-APHIS: “Serological Diagnostics at the National Veterinary Service Laboratories”
	Dr. Dick Hesse – KSU: “Infectious Disease Investigations Start and End at the D-lab”
	Dr. Gregg Hanzlicek – KSU: “Johne’s Diagnostics in the Field”
10:00 AM – 10:30 AM	Break
10:30 AM – 11:20 AM	Session I Molecular & Serological Diagnostics: Endemic Workshop - Dr. Doug Marthaler & Dr. Jerome Nietfeld, Chairs
	Dr. Udeni Balasuriya – University of Kentucky/Louisiana State University: “Diagnostic Approaches to Equine Infectious Diseases in the Era of Global Trade”
	Dr. Jim Rhoades – IDEXX: “Using tissue and blood samples for the diagnosis of BVDV and determination of Pregnancy status in Cattle”
11:20 AM – 12:00 PM	Session I Molecular & Serological Diagnostics: Endemic Workshop Panel Discussion - Moderators: Dr. Doug Marthaler & Dr. Jerome Nietfeld
12:00 PM – 1:30 PM	Lunch
1:30 PM – 3:00 PM	Session II Molecular & Serological Diagnostics: Emerging Diseases Workshop - Dr. Juergen Richt & Dr. Jean-Paul Gonzalez, Chairs
	Dr. Kim Dodd – USDA-APHIS: “Diagnostic Capability of the Foreign Animal Disease Diagnostic Laboratory at Plum Island”
	Dr. Alfonso Clavijo – CFIA: “Diagnostics for transboundary animal diseases at the Canadian Food Inspection Agency (CFIA)”
	Dr. Nicholas Haley – Midwestern University: “Advancing prion diagnostics into the 21st century”

	Dr. Thomas Briese – Columbia University: “High density peptide arrays for universal epitope mapping and discovery, and rationale serologic test and vaccine design”
3:00 PM – 3:30 PM	Break
3:30 PM – 4:30 PM	Session II Molecular & Serological Diagnostics: Emerging Diseases Workshop - Dr. Juergen Richt & Dr. Jean-Paul Gonzalez, Chairs
	Dr. Bill Wilson – USDA-ABADRU: “Current Status of Arbovirus Diagnostics with an Emphasis on Rift Valley fever”
	Dr. Bill Nelson – Tetracore: “The Path to Developing a Next Generation Nucleic Acid Based POC Diagnostics – A 20-Year Odyssey with the Goal of a Rapid, Direct, Sensitive, and Simple to Operate Diagnostic System or How to Avoid Tripping Over pebbles. from Tetracore”
	Dr. Armanda Bastos – University of Pretoria: “Molecular detection of African swine fever virus in Ornithodoros ticks in southern Africa”
4:30 PM – 5:10 PM	Session II Molecular & Serological Diagnostics: Emerging Diseases Workshop Panel Discussion - Moderators: Dr. Juergen Richt & Dr. Jean-Paul Gonzalez
6:30 PM – 7:30 PM	Dinner
7:30 PM – 8:30 PM	Keynote: “USDA-APHIS Approach to the National Bio and Agro-defense Facility Transition” Dr. Beth Lautner, USDA-APHIS
Wednesday, June 13, 2018	
8:30 AM – 10:00 AM	Session III Novel Diagnostic Technologies - Dr. William Wilson & Dr. Dick Hesse, Chairs
	Dr. Doug Marthaler – “Introduction into Novel Diagnostic Technologies”
	Dr. Rebecca Wilkes – University of Georgia: “Targeted Next Generation Sequencing for Infectious Disease Diagnostics”
	Dr. Christie Mayo – Colorado State University: “Novel, translational, multidisciplinary approach to diagnose and genetically characterize high consequence pathogens affecting
	Mr. Willy Valdivia – Orion Integrated Biosciences: “RIGEL – Genomic Based Biosurveillance System for the Characterization of Known and Unknown Biothreats using Portable DNA Sequencing”
	Dr. Thomas Wang – GeneReach USA: “PCR application in aquaculture”
10:00 AM – 10:30 AM	Break
10:30 AM – 11:10 AM	Session III Novel Diagnostic Technologies - Dr. William Wilson & Dr. Dick Hesse, Chairs
	Dr. Joe Russell – MRI Global: “Mercury Lab — An integrated, ultra-mobile laboratory workbench for field-forward molecular testing”
	Dr. Jessie Trujillo – KSU: “Point of Need Detection for High Consequence Pathogens”
11:10 AM – 11:50 PM	Session III Novel Diagnostic Technologies Panel Discussion - Moderators: Dr. William Wilson & Dr. Dick Hesse
11:50 PM – 12:00 PM	Closing Remarks