

Monday, March 10	
NBAF Tour (Group 1)	13:00 (Meet at Manhattan Conference Center for Carpool)
Welcome Reception	17:30 Manhattan Conference Center Alcove Room

Tuesday, March 11			
Session	Time	Speaker	Title
Welcome	8:30	John Humphreys	Goals of the FMD Symposium
	8:35	Scott Carver	UGA Center for the Ecology of Infectious Diseases
	8:40	Alfonso Clavijo	Overview of NBAF
Program Overviews	8:55	Alejandra Capozzo	Overview of GFRA
	9:05	Natalia Cernicchiaro	Overview of K-State CORE's Research and Impact
	9:15	Karyn Havas	USDA ARS National Program in Animal Health
	9:25	Melissa Mclaws	Overview of the Progressive Control Pathway for FMD (PCP-FMD) and FAO role
Day 1 Keynote	9:35	Gisselle Medina	Keynote Introduction
	9:40	Jonathan Arzt	Keynote Address
	<b>10:20 Break</b>		
Session 1: Pathogenesis and Transmission	10:30	Carolina Stenfeldt	FMDV pathogenesis and transmission in domestic livestock
	10:45	Anna Jolles	Epidemiology of FMDV in wild African buffalo, its reservoir host
	11:00	Brianna Beechler	FMD in African Buffalo
	11:15		<b>Questions for speakers</b>
Session 2: Vaccines and Vaccination	11:25	Elizabeth Rieder	Novel FMD vaccine platforms addressing major drawbacks of current technologies
	11:40	Gisselle Medina	Exploring the Promise of Live Attenuated Vaccines in FMD Control
	11:55	Pascal Hudelet	The challenges of FMD vaccine development – How a manufacturer evaluates promising vaccine candidates
	12:10	Zulma Rocío Suarez-Moreno	The challenges of producing FMD vaccines in Colombia
	12:25	Jitendra Kumar	New Generation FMD Vaccine
	12:40		<b>Questions for speakers</b>
	12:50	John Humphreys & Scott Carver	<b>Morning Sessions Wrap Up</b>
	<b>13:00 Lunch</b>		
Session 3: Diagnostics and Immunology	13:45	Alejandra Capozzo	Serological Assays for Assessing FMD Vaccine Efficacy in the Field: Species Variations, Antibody Types, and Quality
	14:00	Anna Ludi	Developments in assessing vaccine quality
	14:15	Leyi Wang	Foot and Mouth Disease Virus Clinical Diagnosis and Challenge
	14:30	Michael Puckette	FMDV Virus-like particles: Production platforms and immunogenicity in vivo
	14:45	Grayson Walker	FMD Diagnostics and Training at the Foreign Animal Disease Diagnostic Laboratory
	15:00		<b>Questions for speakers</b>
	<b>15:10 Break</b>		
Session 4: Industry and Trade	15:20	Marisa Rotolo	Swine industry tools for FAD preparedness
	15:35	Sergio Arispe	Extension Service Efforts to Mitigate Risks Towards a Secure Milk/Beef Supply in Western States
	15:50	Diego Viali dos Santos	Hemispheric Program for the Eradication of FMD (PHEFA)
	16:05	Miquela Hanselman	Applying Lessons Learned from H5N1 to an FMD Outbreak in Dairy Cattle
	16:20	Kathy Simmons	FMD—U.S. Beef Industry Perspective
	16:35		<b>Questions for speakers</b>
Afternoon Sessions Wrap Up and Closing Remarks	16:45	John Humphreys & Scott Carver	<b>Afternoon Sessions Wrap Up and Closing Remarks</b>
Evening Social	18:00		<b>Flint Hills Discovery Center</b>

Wednesday, March 12			
Session	Time	Speaker	Title
Day 2 Keynote	9:00	Scott Carver	Welcome & Keynote Introduction
	9:05	Colleen Webb	Data-Driven Models for Predicting FMD Spread and Guiding National Control Strategies in the US
	<b>9:45 Break</b>		
Session 5A: Livestock Epidemiology	9:55	Mike Tildesley	Modelling the spread and control of foot-and-mouth disease in epidemic and endemic settings
	10:10	Michael Sanderson	Modeling Risks, Impacts and Interventions in an FMD outbreak in the US
	10:25	Andres Perez	Joint UMN-ARS research on FMD epidemiology in endemic settings
	10:40	Susan Diana Kerfua	Epidemiology of foot-and-mouth disease in Uganda (2013 to present)
	10:55		<b>Questions for speakers</b>
	<b>11:05 Break</b>		
Session 5B: Livestock Epidemiology	11:20	Gustavo Machado	FMD models for Latin America
	11:35	Alexis Freifeld	FMD National Disease Spread Model
	11:50	Kim VanderVaal	Phylodynamics of FMDV in East Africa: Role of landscape and wildlife
	12:05	James Young	Acute and chronic clinical impacts of FMD and how this may impact modelling inputs - experiences from the Asia-Pacific region
	12:20		<b>Questions for speakers</b>
	12:30	John Humphreys & Scott Carver	<b>Morning Sessions Wrap Up</b>
	<b>12:40 Lunch</b>		
Session 6: Wildlife & Wildlife-Livestock Interface	13:25	Kurt VerCauteren	A Wildlifer's Perspectives on Research and Management Needs at the One Health Interfaces
	13:40	Ryan Miller	Needle in a haystack: Adaptive targeted surveillance for foreign animal diseases in wildlife
	13:55	Timothy Smyser	Use of High-resolution Genetic Analysis to Quantify Feral Swine Translocation Rates and Spatial Patterns: Implications for Disease Spread and Spillover
	14:10	Kim Pepin	Optimizing response to an introduction of ASF in wild pigs: Implications for FMD
	14:25		<b>Questions for speakers</b>
	<b>14:35 Break</b>		
Research Briefs (A)	14:45	Jon M. Oatley	Gene Editing Resiliency to FMD
	14:50	Annakate Schatz	Understanding FMD distribution and risk across Vietnam
	14:55	Olivia Spagnuolo	Gap Analysis of Potential FMD Wildlife Hosts in the U.S.
	15:00	Benjamin Golas	Using genetic relatedness to develop feral swine contact networks
	15:05	Madison Berger	Variation in ASF epidemiological parameters: implications for disease spread and surveillance
	15:10	Stormy Scharzenberger	Simulation modeling of FMDV incubation phase transmission in U.S. cattle
	15:15	Torre Dunlea	Quantifying FMD Transmission Risk During Cattle Movements
	15:20	MaRyka Smith	Modeling effects of Cattle Traceability on FMD outbreaks in the United States
	15:25	Karla Moreno-Torres	A stochastic framework to assess optimal allocation of limited vaccine doses in FMD outbreaks using game theory
	15:30		<b>Questions for speakers</b>
	<b>15:40 Break</b>		
Research Briefs (B)	15:55	Mariano Perez-Filgueira	Insights on heterologous protection
	16:00	Lindsay Gabbert	FMDV Disinfection
	16:05	Nathan Snow	Efficiency of culling techniques for controlling disease introductions in wild pigs and their impacts on wild pig movement behavior
	16:10	Kayleigh Chalkowski	National-scale mapping of wild pig movement: implications for ASF and FMD
	16:15	Aamir Ghafoor	FMD Vaccine Production in Pakistan: Challenges, Opportunities, and Future Prospects
	16:20	Brian Tonny	Prevalence of Gastrointestinal Parasites and Their Impact on Health and Productivity of Goats in PNGUNRE and Kairak Goat Farm in East New Britain Province of PNG
	16:25	Shawn Babiuk	An overview of lumpy skin disease and its importance
	16:30	Umanga Gunasekera	FMD research in southeast Asia
	16:35	Abdul Kabir	First attempt for FMDV seropositivity and risk factor evaluation in the Pakistan-Afghanistan border region
	16:40	Qaiser Akram	Development of a Multiplex Lateral Flow Immunochromatographic Strip Test for Rapid Detection and Serotyping of Foot-and-Mouth Disease Viruses in Pakistan
Afternoon Sessions Wrap Up and Closing Remarks	16:45	John Humphreys & Scott Carver	<b>Afternoon Sessions Wrap Up and Closing Remarks</b>
<b>Evening Social</b>	<b>18:00</b>		<b>Tallgrass Tap House</b>

Thursday, March 13			
Session	Time	Speaker	Title
Half-day Synthesis Workshop	9:00		Information and discussion about publishing a Meeting Report
	9:30		Breakout groups: Research Gaps & Questions for the Future
	<b>10:30 Break</b>		
	10:45 Breakout group reporting		
	11:45 Wrap-up and official end		
NBAF Tour (Group 2)	13:00 NBAF Tour		(Meet at Manhattan Conference Center for Carpool)