Friday, September 6

5-6 PM  Poppensiek Reception & ZDS Registration

6-7 PM  Poppensiek Lecture: **Current Animal Health Challenges to Europe: What Is Going On?**

*A number of notifiable animal diseases have recently affected the European Union (EU) countries. Foot-and-Mouth Disease, Classic Swine Fever, different Bluetongue Virus serotypes, West Nile, Crimean Congo Hemorrhagic Fever, and more recently, Schmallenberg Virus, are just a few examples. Some of these diseases were diagnosed after they had been circulating around for several months with no one suspecting them. In contrast with that, the laboratory diagnosis was done extremely fast (within 4 to 12 hours) once the samples were submitted and available for testing. Moreover, since 2007, African Swine Fever Virus has been spreading in the countries of Caucasus and the Russian Federation, posing a significant animal health risk to the EU countries. Professor Sánchez-Vizcaíno will provide an analysis of the response of the EU sanitary system to these recent animal health events in comparison with other sanitary models used around the world.*

Saturday, September 7

7:30-8 AM  Registration & Breakfast

8-9 AM  **National Biodefense Policies: Historical Perspective & Watershed Events**

*National activities related to agricultural security, bioterrorism, and other types of biological threats do not occur in a vacuum. They are typically undergirded by laws and regulations that govern their implementation, including who is responsible and for what. The history of such federal policies dates to the 1800s, punctuated most recently by the anthrax attacks of 2001, a watershed event that resulted in significant changes to the way veterinarians and others are now helping to protect our nation. This lecture will provide a historical review of these policies, and how these and other major global health events impact our world today.*

9-10 AM  **Personal Protective Equipment (PPE) & Proper Farm Entry/Exit**

*This presentation will introduce biosecurity protocols and the use of personal protective equipment (PPE) for infectious diseases and hazardous materials incidents. Instruction in the procedures for biosecurity entering and exiting of contaminated premises, including the process of donning and doffing PPE and the proper handling of diagnostic samples, will also be provided.*
Methods of Animal Shelter Triage
This lecture will describe the various scenarios that you may face during a real disaster situation as animals are arriving at your shelter. You will learn methods and procedures to implement a smooth transition from animal arrival, to triage leading to shelter admission. We will discuss the various types of shelters, their methods of operation, and methods of caring for the animals during their initial stages of admission.

Disaster Preparedness for Veterinary Practices
Disasters come in all shapes and sizes ranging from a major hurricane affecting several states to a fire or sewer back-up affecting just one building. Veterinary clinics need to have an emergency preparedness plan to maintain operations in the face of adverse conditions or to quickly return to business following an adverse event. This presentation will discuss the essential elements for an emergency preparedness plan for veterinary practices.

ACTIVITY A: PPE, Farm Entry/Exit, & Animal Sampling
Interactive activity in conjunction with the PPE lecture.

ACTIVITY B: Animal Triage Protocols
Interactive activity in conjunction with the Shelter Triage lecture.

Cornell University Veterinary Hospital & College Tour (Optional)

Sunday, September 8

New Approaches for the Surveillance and Diagnosis of Emerging Animal Diseases
The increase of emerging infectious diseases is one of the most important health problems today. This is even more so when more than 75 percent of these new emerging infectious diseases are zoonotic. Many factors are related to this health threat, including increased globalization, rapid growth of human and animal populations, and frequent climate changes. This presentation will cover an analysis of the actual situation and a review of new approaches for surveillance and diagnosis to prevent the health and economic impacts from these emerging infectious disease events.

Alternative Zoonotic Agents for Biological Warfare & Agroterrorism
Selection of an agent for use in biowarfare or terrorism is dependent on definition of objectives and facilities available for weaponization. The use of a highly fatal agent presents challenges of production and distribution, and high fatality rate is only one of the possible objectives for deployment. We will look at some zoonotic agents of lower profile that have potential as bioweapons and the circumstances of their deployment. Veterinary knowledge of these agents is crucial to developing anti-bioagents policy.
10-11 AM  **Emerging Threats to the Global Health System**
The modern developed world enjoys an abundant supply of food in which safety is assumed. Modern food production is highly integrated and efficient, presenting food as a highly effective vehicle to inflict public health or economic harm on a massive scale. Vulnerabilities in the food supply exist, and have been exploited in the past. The increasing complexity of food supply chains, the global nature of production, and the widespread distribution of food products from a single manufacturing facility all increase the food supply to the potential of contamination, be it accidental or intentional. This presentation will focus on risks to the global food supply, and highlight recent incidents including the food and agriculture sector impacts of the 2011 incident in the Fukushima Prefecture.

11 AM-12 PM  **Veterinary Diagnostic Laboratory Roles & Response**
State supported Veterinary Diagnostic Laboratories (VDLs) are a critical part of the disease detection and response infrastructure in the US. The VDLs conduct tens of millions of tests each year in support of animal health, public health and food safety surveillance, both active and passive. In the event of a disease outbreak, the VDLs provide the data needed to define the scope and spread of the outbreak as well as the success of containment and eradication efforts.

12-1 PM  Lunch

1-3 PM  **Zoonotic Avian Influenza: Past Experiences & Future Problems**
An overview of influenza viruses will be presented in the context of recent outbreaks of H1N1, H5N1, and H7N9 in human populations. Field diagnosis and recognition of avian influenza in poultry will also be discussed, including practical experiences in Africa and Asia.

3-5 PM  **WET LAB: Poultry Infectious Disease Identification**
An interactive wet lab will highlight the anatomy of the chicken and the different pathological changes that can occur with specific poultry-related diseases that could be of great significance due to their zoonotic potential and/or use as agents of bioterrorism.
Zoonotic Disease Symposium (ZDS): September 6-8, 2013
LIST OF SPEAKERS & ACTIVITY COORDINATORS

BRUCE L. AKEY, DVM, MS – Associate Dean, Diagnostic Operations & Executive Director, Animal Health Diagnostic Center (AHDC), Cornell University College of Veterinary Medicine

ELLEN P. CARLIN, DVM – Fellow, Food & Drug Administration (FDA) Center for Veterinary Medicine; Principal, Carlin Communications

DAVID M. CHICO, VMD, MPH, DACVPM – Program Manager for Emergency Programs, New York State Department of Agriculture & Markets

CHERYL L. EIA, JD, DVM, MPH – American Veterinary Medical Association (AVMA) Coordinator of Emergency Preparedness & Response

MORGAN J. HENNESSEY, DVM, MPH, DACVPM – Veterinary Medical Officer, United States Department of Agriculture, Animal & Plant Health Inspection Service, Veterinary Services (USDA-APHIS-VS)

JARRA F. JAGNE, DVM, DACVP – Senior Extension Associate (Poultry Specialty), Department of Population Medicine & Diagnostic Sciences, Cornell University College of Veterinary Medicine

TODD E. JOHNSON, DVM – Area Emergency Coordinator for NY & NJ

KENNETH E. NUSBAUM, DVM, PhD, MS – Professor Emeritus & Director of Undergraduate Public Health Minor, Auburn University

JM SÁNCHEZ-VIZCAÍNO, DVM, PhD, Dhc– Professor of Animal Health, Faculty of Veterinary Medicine, Universidad Complutense (Spain)

KAREL A. SCHAT, DVM, PhD – Professor Emeritus, Department of Microbiology & Immunology, Cornell University College of Veterinary Medicine

SHELDON Z. YESSENOW, DVM – Clinician & Owner of Oronoque Animal Hospital, Stratford, CT

Website: http://www.vet.cornell.edu/conferences/zoonotics/index.html
Registration: https://cornelltickets.universitytickets.com/user_pages/event.asp?id=883&cid=51