



British Consulate-General Atlanta



GEORGIA
RESEARCH
ALLIANCE



The University of Georgia
FACULTY OF INFECTIOUS DISEASES



Infectious Disease and One Health: Vaccines and Therapeutics

February 2, 2011

Location: Emory University, Rollins School of Public Health
Claudia Nance Rollins Building, Klamon Room (CNR 8030)
1518 Clifton Road Atlanta, Georgia 30322

Continental Breakfast from 8:00 – 8:45 am

Opening remarks 8:45 – 9:00 am

Seminar from 9:00 – 5:00 pm

Discussion and Networking 5:00 – 6:00 pm

Vaccine Dinner Club 6:00 – 8:15 pm (lecture by Peter Openshaw) in Claudia Nance Rollins Building Plaza and Auditorium

On February 2 2011, the British Consulate will host a collaborative one-day workshop to explore the topic of *Infectious Disease and One Health: Vaccines and Therapeutics*. This event will be held at Emory University, and will bring together UK experts with scholars from the Emory University Vaccine Center, The Center for Influenza Research and Surveillance (Emory, UGA), the Animal Health Research Center at the University of Georgia (UGA) and scientists from the US Centers for Disease Control and Prevention (CDC). Presentations will focus on disease intervention strategies for emerging infectious diseases at the animal–human–ecosystems interface, including latest developments in therapeutics and vaccines.

Welcome

Time: 8:45am-9:00am

Kerry Norton, Vice Consul, Science and Innovation, British Consulate General

Stefan Winkler, Life Science Sector Advisor for North America

UK Trade & Investment

Susan Shows, Senior Vice President, Georgia Research Alliance

Session Outline

Session 1: Vaccinating Animal Populations to Protect Human Health

Time: 9am-10:30am

Moderator:

Ben Beard, CDC

Speakers:

Alicia Anderson, CDC, topic: Q Fever as an Example of One Health
Donald Harn, UGA, topic: Vaccinating cattle for Schistosomiasis in China
Sally Cutler, University of East London, topic: One Health Control of Bacterial Zoonoses

Session 2: New Tools to Identify Pathogens and Patterns: What's new in therapeutics and vaccines?

Time: 10:30am-12pm

Moderator:

Eddie Ades CDC

Speakers:

Ralph Tripp, GRA, UGA, topic: Rapid, Sensitive and Selective Biodetection Based on Surface-Enhanced Raman Spectroscopy (SERS)

Stephen Gordon, Liverpool School of Tropical Medicine, UK, topic: Mucosal responses to pneumococcal carriage and infection

James Stewart, University of Liverpool, topic: Lessons from a natural model of gammaherpesvirus infection

Andrew L. Mellor, Medical College of Georgia, topic: Regulatory T cells: An unexpected source of help to prime CD8 T cell responses

Lunch 12pm – 12:45pm

Session 3: Human Immune Responses

Time: 1:00pm-3:00pm

Moderator:

Ralph Tripp, GRA, UGA

Speakers:

Eddie Ades, CDC, topic: Augmented Passive Immune Therapy to Treat Fulminant Bacterial Infections

Peter Openshaw, Imperial College, topic: UK-wide studies of pandemic influenza and the role of host response in pathogenesis

Rafi Ahmed, Emory University topic: The intricacies of long-term immune memory

Maria Zambon, UK Health Protection Agency, topic: Susceptibility vs disease: Introduction of a new influenza virus into the human population

Break 3pm – 3:15pm

Session 4: Ecological Perspectives and Infectious Disease

Time: 3:15pm-5:00pm

Moderator:

Darin Carroll, CDC, topic: Chasing Jenner's Vaccine: Revisiting Cowpox Classification

Speakers:

Daniel Streicker, UGA, topic: Linking the enzootic persistence and cross-species emergence of bat rabies

Michael Begon, University of Liverpool, topic: Co-infection, susceptibility and survival in natural populations

Andrew Park, UGA, topic: Epidemiological modeling of influenza immune escape:
from amino acids to populations

Ben Beard, CDC, topic: Plague ecology, prevention and control

General Discussion (with wine, beer, hors d'oeuvres)

Time: 5:00-6:00pm