



Pacific Center for  
Emerging Infectious Diseases  
Research



UNIVERSITY  
of HAWAII  
MĀNOA

## Department of Tropical Medicine, Medical Microbiology & Pharmacology

JOHN A BURNS SCHOOL OF MEDICINE, UNIVERSITY OF HAWAII AT MANOA

# Protein Potential: Insect Cell-expressed Recombinant Viral Proteins and their Application in the Development of Vaccines and Diagnostics

Access to high-quality viral antigens in sufficient quantities enables both basic and translational research into emerging and re-emerging infectious diseases and further facilitates the development of diagnostics, therapeutics and vaccines. The use of stably transformed insect cell lines has proven to be an elegant solution to the production of proteins for viruses causing vector-borne and zoonotic diseases. For example, this technology has led to the development of recombinant subunit vaccine candidates for the prevention of infection with Ebola virus (EBOV) and other filoviruses, as well as various flaviviruses, including tick-borne encephalitis virus (TBEV) and Zika virus (ZIKV). This seminar will discuss the development of an EBOV vaccine, as well as TBEV and ZIKV vaccine candidates and the utility of insect cell-expressed recombinant viral antigens for diagnostic purposes.

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Tuesday, November 29, 2016 at 12:00 p.m.

John A. Burns School of Medicine, Kaka'ako Campus  
Medical Education Building Auditorium (Room 315)

For further information, contact (808) 692-1654

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