

### 3<sup>rd</sup> Annual Institute for Molecular Virology Symposium

“Host Interactions and Structure”

May 14<sup>th</sup>, 2006

Coffman Memorial Union Theater

8am-6pm

#### Symposium Program

- 7:30-7:55            Registration  
*Bagels, pastries and coffee*
- 7:55-8:00            Welcome and Opening Remarks (Louis Mansky)
- 8:00-9:00            Morning Keynote Lecture: Jack Johnson  
Intro by Dan Cohen  
“Biophysical Studies of Viruses and their Maturation: Insights into Elegantly Programmed Nanomachines”

#### **Morning Session**

Convenors: Mark Stenglein and Rebecca LaRue

- 9:00-9:20            Jinghua Tang, Paul J. Jardine, Norman Olson, Shelley Grimes,  
Dwight L. Anderson and Timothy S. Baker  
“Bacteriophage ø29 at subnanometer resolution: visualization of the DNA double helix poised for release”
- 9:20-9:40            Yan Chen, Bin Wu, Karin Musier-Forsyth, Joachim D. Mueller  
“Determining the stoichiometry of GAG protein in Viral Like Particle using fluorescence fluctuation spectroscopy”
- 9:40-10:00            My Vo, Ioulia Rouzina, Karin Musier Forsyth  
“Mg effects of Chaperone Activity of HIV NC: Importance of NC-Induced Nucleic Acid Aggregation”
- 10:00-10:30            *Morning break and poster viewing*  
*Coffee, cookies*
- 10:30-10:50            Jun Han, Yue Wang and Kay S. Faaberg  
“Identification of Nonessential Regions of the Nsp2 Replicase Protein of PRRSV Strain VR-2332 for Replication in Cell Culture”
- 10:50-11:10            Lenka Sedlackova and Stephen A. Rice  
“HSV-1 ICP27 is required for the virion incorporation of two viral transcriptional activators, ICP0 and ICP4”
- 11:10-11:30            Alistair McGregor, Yeon Choi, Jodi Anderson, Mike Leviton, Mike McVoy, Mark Schleiss  
“A chimeric GPCMV encoding HCMV UL97 renders GPCMV susceptible to ganciclovir and maribavir while retaining ability to disseminate in the animal host”

11:30-11:50 Ryuta Sakuma, Josh A. Noser, Seiga Ohmine and Yasuhiro Ikeda  
"Rhesus monkey TRIM5alpha restricts HIV-1 production through rapid degradation of viral Gag polyproteins"

**11:50-1:00 Lunch**

***Afternoon Session***

Convenors: Rodrigo Giacaman and Casey Dorr

1:00-1:20 Guyllaine Haché and Reuben S. Harris  
"VIF-deficient HIV-1 can resist APOBEC3G"

1:20-1:40 Anjalee Vacharaksa, Anil C. Asrani, Mark C. Herzberg and Karen F. Ross  
"HIV-1 Infection in Keratinocytes Reduces Resistance to Candida Invasion"

1:40-2:00 Irene J. Dorweiler, Azah Tabah, Casey Dorr and Louis M. Mansky  
"Interplay of cell type and drug resistance on HIV-1 genetic variation"

2:00-2:20 *Afternoon break and poster viewing*  
*Coffee, snacks*

2:20-2:40 Masato Yammamoto  
"Conditionally Replicative Adenovirus (CRAd) for Gastrointestinal Cancers"

2:40-3:00 Jorge Reyes del Valle, Patricia Devaux, Nicholas J. Wegner, Gregory Hodge, Michael B. McChesney, Roberto Cattaneo  
"A vectored measles vaccine induces anti-hepatitis B surface antigen responses while protecting macaques against measles challenge"

3:00-4:00 Afternoon Keynote Lecture: Peter Palese  
Intro by April Schumacher  
"Influenza virus pandemics: past and future"

4:00 Closing Remarks (Louis Mansky)

4:00-6:00 Reception & Poster Session

**IMV Advisory Committee:**

Wade Bresnahan  
Kay Faaberg  
Paul Jardine  
Reuben Harris  
James Lokensgard  
Louis Mansky  
Michael Murtaugh  
Irene Dorweiler  
Guylaine Hache  
Patrycja Lech

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