160th OMICS Group Conference

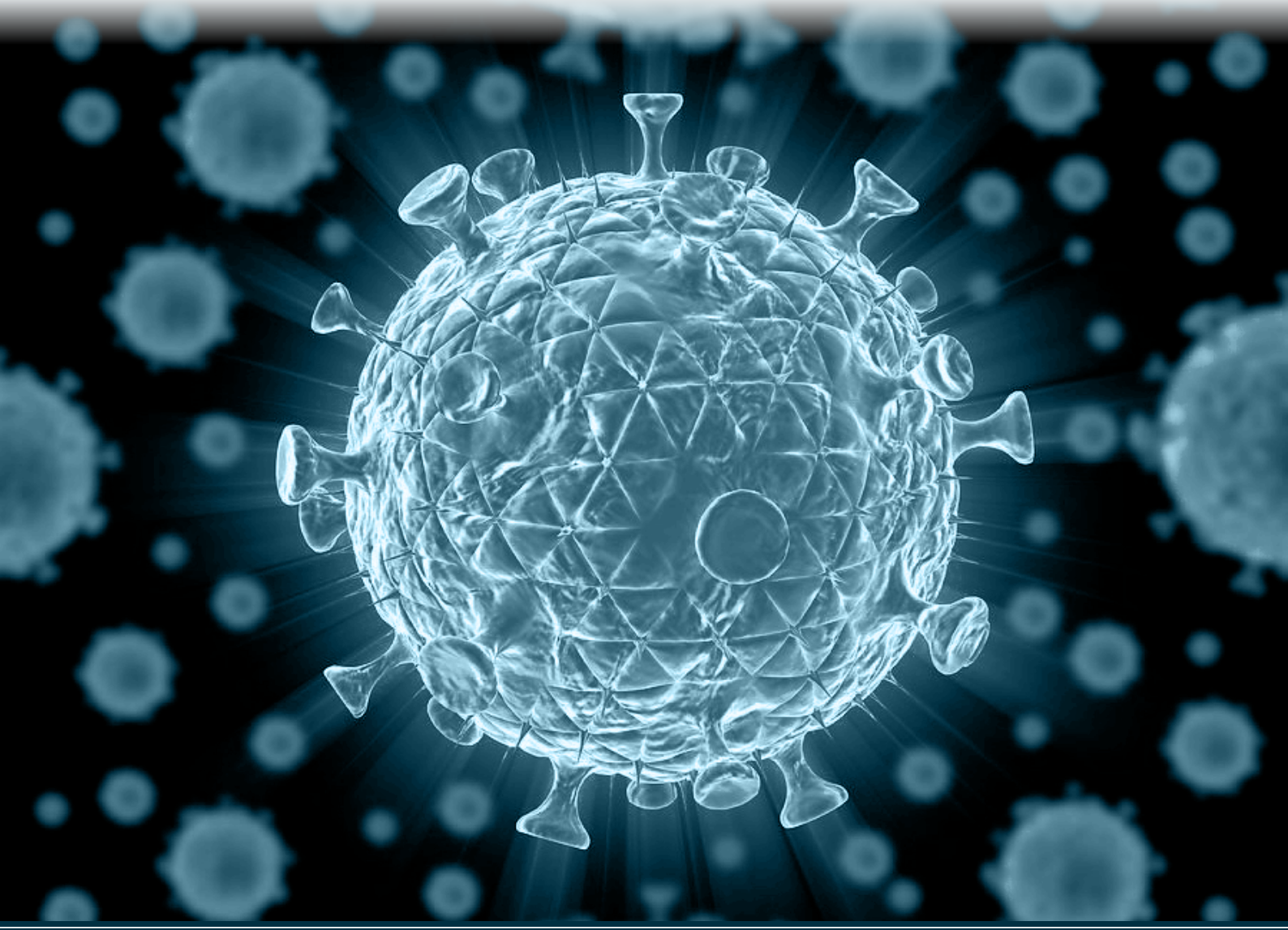
OMICS Group Conferences
Accelerating Scientific Discovery

Scientific Program

3rd World Congress on

Virology

November 20-22, 2013 DoubleTree by Hilton Baltimore-BWI Airport, MD, USA



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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to *symposia@omicsonline.org*

OMICS Group Conferences
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Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: *virology2013@omicsonline.net*

08:00-09:15 Registrations

Annapolis

09:15-09:45 **Opening Ceremony**

Keynote Forum

09:45-09:50 **Introduction**

09:50-10:15 **Marc H.V. Van Regenmortel**
University of Strasbourg, France

10:15-10:40 **Ruth M. Ruprecht**
Texas Biomedical Research Institute, USA

10:40-11:15 **Hiroshi Ohrui**
Yokohama College of Pharmacy, Japan

Coffee Break 11:15-11:35 @ Ballroom Foyer

Session 1: HIV Vaccines

Session Chair: Jose Esparza, Bill & Melinda Gates Foundation, USA
Session Co-Chair: Mary Marovich, NIH, USA

Session Introduction

11:35-12:00 **The quest for highly specific anti-HIV neutralizing monoclonal antibodies: The Holy Grail of reductionist structure-based vaccinology**
Marc H.V. Van Regenmortel, University of Strasbourg, France

12:00-12:25 **The germline maturation bottleneck in HIV vaccine responses**
Dimiter Dimitrov, NIH, USA

12:25-12:50 **Lessons learned in 30 years of HIV vaccine research and the imperative of supporting innovative concepts**
Jose Esparza, Bill & Melinda Gates Foundation, USA

Lunch Break 12:50-13:30 @ Eden's Landing Restaurant

13:30-13:55 **Mary Marovich, NIH, USA**

13:55-14:20 **Which antibody functions are important for an HIV vaccine?**
Christiane Moog, University of Strasbourg , France

14:20-14:45 **Elicitation of broadly reactive antibodies against glycan-modulated neutralizing V3 epitopes of HIV-1 by immune complex vaccines**
Catarina E. Hioe, New York University School of Medicine, USA

14:45-15:10 **Therapeutic vaccination with Tat restores immune homeostasis and promotes proviral DNA decay in patients on HAART**
Barbara Ensoli, Istituto Superiore di Sanita, Italy

15:10-15:35 **An oral SIV vaccine inducing non-cytotoxic MHC-Ib/E-restricted regulatory CD8+T-cells suppresses the activation of SIV positive CD4+T-cells and protects macaques from SIV challenges**
Jean-Marie Andrieu, University of Paris-Descartes, France

Coffee Break 15:35-15:55 @ Ballroom Foyer

16:00-18:00 **Workshop on what type of HIV vaccine research should be promoted?**
Chairs: Jose Esparza, Dimiter Dimitrov and Marc H.V. Van Regenmortel

John Hopkins

Session 2: Therapeutic Approaches and Targets for Viral Infections

Session Chair: Hiroshi Ohrui, Yokohama College of Pharmacy, Japan
Session Co-Chair: Franco Lori, ViroStatics, Italy

Session Introduction

16:00-16:20 **DAS181: A novel host directed approach to prevent and treat respiratory virus infections**
Ronald B. Moss, Ansun Biopharma, USA

16:20-16:40 **Developing human and human-like antibodies for diagnostics and therapy of viruses**
Michael Hust, Technische Universitat Braunschweig, Germany

16:40-17:00 **Design, modification and *in vivo* antiviral activity of relatively broadspectrum fusion inhibitory peptide**
Xiaojia Wang, China Agricultural University, China

17:00-17:20 **Suppressing the virus and preventing immune activation: A two-pronged attack to HIV and chronic infections**
Franco Lori, ViroStatics, Italy

17:20-17:40 **Immunorex$_{TM}$ involvement in vaccine approach against HIV-1 Tat**
Donatien Mavoungou, CRPH, Gabon

17:40-18:00 **Varicella zoster virus tissue tropism and development of a neuroattenuated vaccine**
Hua Zhu, University of Medicine and Dentistry of New Jersey, USA

18:00-18:20 **The application of high throughput screening technologies to antiviral drug discovery**
Lynn Rasmussen, Southern Research Institute, USA

18:40-19:40 Cocktails Sponsored by **Journal of Antivirals & Antiretrovirals @ Eden's Landing Restaurant**

Day 2 November 21, 2013

Annapolis

Session 3: HIV and Other Retroviruses

Session Chair: Constantinos Petrovas, NIAID-NIH, USA

Session Co-Chair: Sanjay Phogat, Sanofi Pasteur, USA

Session Introduction

09:00-09:25 **HIV vaccine development: An industrial perspective**
Sanjay Phogat, Sanofi Pasteur, USA

09:25-09:50 ***In vivo* dynamics of follicular helper CD4 T cells and the induction of SIV antibodies**
Constantinos Petrovas, NIAID-NIH, USA

09:50-10:15 **Animal models in HIV vaccine research: Helpful heuristics or ethical prerequisite?**
Ray Greek, Americans For Medical Advancement, USA

10:15-10:35 **Viral reservoirs and activation in animal models: SHIV-Infected macaques**
Hye Kyung Chung, Advance BioScience Laboratories, USA

Coffee Break 10:35-10:55 @ Ballroom Foyer

10:55-11:15 **The study of bacteria and yeasts in HIV-positive patients**
Zajac V, Cancer Research Institute, Slovakia

11:15-11:35 **Deregulation of microRNAs by HIV-1 Vpr protein leads neuronal dysfunction**
Ruma Mukerjee, Temple University, USA

11:35-12:00 **Role of heme-oxygenase-1 and ferroportin in HIV-1 infection**
Sergei Nekhai, Howard University School of Medicine, USA

12:00-12:20 **Partial analysis of a CRF11_cpx/HIV-1 subtype C-like recombinant from South Africa**
Pascal O. Bessong, University of Venda, South Africa

Lunch Break 12:20-13:00 @ Eden's Landing Restaurant

13:00-14:00 Poster Presentations @ Billie Holiday

Session 4: Viral Immunology and Respiratory Viral Infections

Session Chair: Ruth M. Ruprecht, Texas Biomedical Research Institute, USA

Session Co-Chair: Suresh K. Mittal, Purdue University, USA

Session Introduction

14:00-14:20 **Universal biopanning strategy to identify epitopes associated with antibody-mediated vaccine protection against infectious pathogens**
Ruth M. Ruprecht, Texas Biomedical Research Institute, USA

14:20-14:40 **Broadly protective influenza vaccines for pandemic preparedness**
Suresh K. Mittal, Purdue University, USA

14:40-15:00 **Identifying and discriminating of the non-coding regions of influenza A virus vRNA, cRNA and mRNA**
Ruixue Wang, NIH, USA

15:00-15:20 **PRINT® particle simultaneous delivery of adjuvants with antigens**
Ashley L. Galloway, Liquidia Technologies Inc., USA

15:20-15:40 **Immunoprotection established by DNA vaccine LAMP/Gn chimera against *Hantavirus* was stronger than traditional inactive vaccine and enhanced by a novel delivery method, electroporation**
Dongbo Jiang, The Fourth Military Medical University, China

15:40-16:00 **Assessing the sustainability of the expansion of the expanded programme on immunisation in the Gambia**
Francis Sarr, University of The Gambia, Gambia

Coffee Break 16:00-16:20 @ Ballroom Foyer

16:20-16:40 **Cytomegalovirus infection and autoimmunity: Cause and effect relationship?**
Eleni E Magira, National and Kapodestrian University of Athens, Greece

16:40-17:00 **Immunopathogenesis of rabies encephalitis. Studies in murine model and its implications in human rabies**
Madhusudana S N, NIMHANS, India

17:00-17:20 **Modeling human respiratory viral infections in the cotton rat**
Jorge C. Blanco, Sigmovir Biosystems Inc, USA

17:20-17:40 **Genomic analyses of pandemic and post-pandemic Influenza A pH1N1 viruses isolated in Rio Grande do Sul, Brazil**
Ana Beatriz Gorini da Veiga, UFCSPA, Brazil

17:40-18:00 **Structural analysis of the assembly and morphology of influenza virus-like particles**
Petr Chlanda, NIH-NICHD, USA

18:00-18:20 **Fatal outcome of pandemic H1N1 2009 influenza virus infection is associated with immunopathology and impaired lung repair, not enhanced viral burden in pregnant mice**
Glendie Marcelin, St. Jude Children's Research Hospital, USA

Panel on Nanomedicines in Virology

18:50-19:20 Cocktails Sponsored by **Journal of Antivirals & Antiretrovirals @ Eden's Landing Restaurant**

Day 3 November 22, 2013

Annapolis

Session 5: Viral Hepatitis

Session Chair: Gokul C. Das, Baylor College of Medicine, USA
Session Co-Chair: Mohammed N. Al-Ahdal, King Faisal Specialist Hospital and Research Center, Saudi Arabia

Session Introduction

09:00-09:20 **Interaction of molecular pathways in Hepatitis C Virus induced insulin resistance and IFN-based therapy**
Gokul C. Das, Baylor College of Medicine, USA

09:20-09:40 **Genetic variability of the core protein in Hepatitis C Virus genotype 4 and its implication on pegylated interferon and ribavirin therapy**
Mohammed N. Al-Ahdal, King Faisal Specialist Hospital and Research Center, Saudi Arabia

09:40-10:00 **KIR and specific HLA-C gene are associated with occult HBV infection and spontaneous HBV clearance in blood donors with ANTI-HBC-ONLY profile**
Patricia Araujo, COLSAN, Brazil

10:00-10:20 **Study of IL28B polymorphisms on HCV mono and co infection among Saudi population**
Ilham T. Qattan, Taibah University, Kingdom of Saudi Arabia

Coffee Break 10:20-10:40 @ Ballroom Foyer

10:40-11:00 **Differential distribution of IL28B rs12979860 single nucleotide polymorphism among Egyptian healthcare workers with and without cellular immune response to Hepatitis C virus**
S. Abdelwahab, Minia University and Vacsera, Egypt

11:00-11:20 **Docking guided QSAR study on a series of N-acetamideindolecarboxylic acid derivatives acting as HCV NS 5B polymerase inhibitors**
Vaishali M. Patil, Bharat Institute of Technology, India

11:20-11:40 **The effect of co-infection with Hepatitis B (HBV) and Hepatitis C (HCV) on the prevalence of proteinuria and loss of renal function**
Bahaa Zayed, Cairo University, Egypt

11:40-12:00 **The prevalence of Hepatitis C virus among pediatric patients attending an antiretroviral treatment center in Central Nigeria**
Grace Pennap, Nasarawa State University Keffi, Nigeria

Lunch Break 12:00-12:40 @ Eden's Landing Restaurant

Session 6: Viral Infections

Session Chair: CR Mejia, Hospital Roosevelt, Guatemala
Session Co-Chair: Claude Sabeta, Agricultural Research Council-Ondersterpoort Veterinary Institute, South Africa

Session Introduction

12:40-13:00 **Clinical, immunologic and virological response to ARV treatment, in 3,042 HIV-1 infected individuals from 2001 to 2010, at 6 and 12 months in Roosevelt Hospital in Guatemala city**
CR Mejia, Hospital Roosevelt, Guatemala

13:00-13:20 **Use of deep sequencing to analyze replication Beet Curly Top virus replication fidelity**
Stephen F. Hanson, New Mexico State University, USA

13:20-13:40 **Epidemiology and pathogenicity of classical rabies virus (RABV) in South Africa**
Claude Sabeta, Agricultural Research Council-Ondersterpoort Veterinary Institute, South Africa

13:40-14:00 **Mesenchymal stem cells as carriers and amplifiers in CRAd delivery to tumors**
Xia Xi, Huazhong University of Science and Technology, China

14:00-14:20 **Identification of Coxsackievirus A20 as the recombinant counterpart of type 1 cVDPV in the Philippines**
Lea Necitas Apostol, Tohoku University, Japan

14:20-14:40 **Review: Host selenium-deficient status influences evolution of some RNA viral infectious diseases**
Michalann Harthill, Geochemistry & Health International, USA

14:40-15:00 **Tracking of viral evolution during an outbreak of emerging *Beak and Feather Disease Virus* (BFDV) infection in the critically endangered Orange-bellied parrot (*Neophema chrysogaster*)**
S. Sarker, Charles Sturt University, Australia

Award Ceremony

Coffee Break 15:00-15:20 @ Ballroom Foyer

Bookmark your dates

OMICS Group Conferences
Accelerating Scientific Discovery

4th World Congress on
Virology
October 06-08, 2014 San Antonio, USA