



Scientific
PROGRAM

International Conference and Exhibition on
Vaccines & Vaccination

22-24 Nov 2011

Philadelphia Airport Marriott, USA

OMICSGroup
Conferences
Accelerating Scientific Discovery

Conference Secretariat

5716 Corsa Ave., Suite 110, Westlake,
Los Angeles, CA 91362-7354, USA
Tel: +1-650-268-9744, Fax: +1-650-618-1414
Toll free: 1-800-216-6499(USA & Canada)
E-mail: vaccines2011@omicsonline.org

18:00-19:00

Registrations

21 November 2011

Day1 22 November 2011

07:00-08:30

Registrations

07:30-08:00

Breakfast



09:00-09:25

Opening Ceremony

Keynote Forum

Introduction

09:25-09:50

Dr. Gary Alan Flory

Virginia Department of Environmental Quality, USA

09:50-10:15

Dr. Peter L. Nara

Biological Mimetics, Inc. (BMI), USA

Coffee Break: 10:15-10:30

10:30-10:55

Dr. Kei Amemiya

US Army Medical Research Institute, USA

10:55-11:20

Dr. Edmund J. Gosselin

Albany Medical College, USA

11:20-11:45

Dr. Mansour Mohamadzadeh

University of Florida, USA

Lunch Break: 11:45-12:30

Track 1: The Globalization of Antimicrobial Resistance

Track 1-1: Diagnosing Infectious Diseases

Track 1-2: Aspects of Antibiotic Resistance and Antibiotic Development

Track 1-3: Antiviral Drug Resistance

Track 1-4: Implications of Rapid Diagnostic Testing

Session Introduction

12:30-12:50

Title: Prevalence of ESBL Escherichia coli in urinary tract infections

Dr. Wanda C. Reygaert, Oakland University, USA

12:50-13:10

Title: Rotavirus vaccine trials in Bangladesh: Findings and lessons learned from phase I to IV studies

Dr. K. Zaman, International Centre for Diarrhoeal Disease Research, Bangladesh

13:10-13:30

Title: Antimicrobial resistance surveillance for nosocomial pathogens

Dr. Olga Perovic, University of Witwatersrand, South Africa

13:30-13:50

Title: Molecular studies on drug resistant malaria in India

Dr. Y. D. Sharma, All India Institute of Medical Sciences, India

13:50-14:10 **Title: Antimicrobial resistance among Nosocomial isolates in a public hospital in Peru**

Dr. Yuri Garcia Cortez, Ricardo Palma University, Peru

14:10-14:30 **Title: Globalization of antimicrobial resistance: challenges and response in developing world**

Dr. Lul Raka, University of Prishtina, Kosovo

14:30-14:50 **Title: Computer Aided Docking studies of some novel antimicrobial agents**

Dr. Jignasa K. Savjani, Nirma University, India

14:50-15:10 **Title: Comparative pharmacodynamics of Ceftobiprole, Daptomycin, Linezolid, Telavancin, Tigecycline, and Vancomycin in the treatment of methicillin resistant Staphylococcus aureus: A Monte Carlo simulation analysis**

Dr. Ayman M. Noreddin, Hampton University, USA

Coffee Break 15:10-15:20

Track 2: Innovative Strategies for Vaccines I

Track 2-1: Neutralizing Antibodies and Immune Escape

Track 2-2: Vaccine types- T-Lymphocyte Epitope Based Vaccine

Session Introduction

15:20-15:40 **Title: Impediments to the rational design of a structure-based HIV-1 vaccine**

Dr. Marc H.V. Van Regenmortel, University of Strasbourg, France

15:40-16:00 **Title: Increased efficacy of BCG vaccines against experimental tuberculosis through genetic engineering of Th1 driving and immune-modulatory peptide epitopes**

Dr. Chinnaswamy Jagannath, University of Texas, USA

16:00-16:20 **Title: Longitudinal surveillance on the antibody level and incidence of adult Measles in Hongkou District of Shanghai, China**

Dr. Xiaohua Qian, The Center for Disease Control and Prevention, China

16:20-16:40 **Title: Polyclonal tregs enhance vaccine-induced immune responses by modulating the trafficking of antigen-specific T cells**

Dr. Silvia Vendetti, Istituto Superiore di Sanità, Italy

16:40-17:00 **Title: Epitope based vaccine design against Japanese encephalitis virus**

Dr. Bhawna Rathi, Amity University, India

17:00-17:20 **Title: High throughput computational genome wide prediction and mapping of epitopes in severe acute respiratory syndrome Coronavirus.**

Dr. Pallavi Somvanshi, Gautam Buddha Technical University, India

17:20-17:40 **Title: Protein- and DNA-based epitope vaccines for Alzheimer's disease**

Dr. Michael G. Agadjanyan, Institute for Molecular Medicine(IMM), USA

Track 2-3: Antigen-Presenting Cell Targeted Vaccines

Track 2-4: Flaviviral, Influenza, Malaria, Tuberculosis and Parasitic disease Vaccines

Session Introduction

17:40-18:00 **Title: Novel strategy for oral vaccine against pathogens**

Dr. Mansour Mohamadzadeh, University of Florida, USA

18:00-18:20 **Title: Quality control for malaria subunit vaccines**

Dr. Daming Zhu, National Institutes of Health, USA

18:20-18:40 **Title: Safety Nasal vaccination of HA vaccine with a potent mucosal antigen vehicle SF-10, mimicking pulmonary surfactant**

Dr. Hiroshi Kido, Tokushima University, Japan

- 18:40-19:00 **Title: Malaria vaccine development: The Plasmodium falciparum serine repeat antigen**
Dr. Toshihiro Horii, Osaka University, Japan
- 19:00-19:20 **Title: Development of an experimental vaccine against Plasmodium yoelii infection based on MAEBL-M2 domain in DNA (Prime)–Protein (Boost) immunization regimen**
Dr. Fabio T. M. Costa, University of Campinas, Brazil
- 19:20-19:40 **Title: Studies on the development of the ovaries of the malaria mosquitoes (Anopheles pharoensis)**
Dr. Abeer S. Yamany, Zagazig University, Egypt
- 19:40-20:00 **Title: Mucosal vaccination of canine influenza H3N2 virus and comparison of efficacy with conventional vaccines**
Dr. Daesub Song, Korea Research Institute of Bioscience and Biotechnology, South Korea
- 20:00-20:20 **Title: Granulysin is a cytotoxic and proinflammatory effector molecule**
Dr. Mark Estes, University of Georgia College of Veterinary Medicine, USA

Dinner 20:20-21:00

Day2 23 November 2011

Breakout-1

Breakfast 07:30-08:00

Track 3: Innovative Strategies for Vaccines II

Track 3-1: Hepatitis, Gynecological, AIDS, and Cancer Vaccines

Track 3-2: Preclinical Studies on the Generation of Conjugated Vaccines for Addictive Drug

Session Introduction

- 08:30-08:50 **Title: Hepatitis A vaccination in healthcare workers**
Dr. Praveen Guturu, University of Texas Medical Branch, USA
- 08:50-09:10 **Title: Improvement in anti-hepatitis C virus resistance with Ribavirin and Pegylated–Interferon-alpha 2b using an “Induction” approach using natural interferon-beta in difficult-to-treat chronic hepatitis C**
Dr. Yutaka Kishida, Osaka Kaisei Hospital, Japan
- 09:10-09:30 **Title: MHC class I TCR driven CD4+ anti-tumor T cells for cancer immunotherapy**
Dr. Arvind Chhabra, University of Connecticut Health Center, USA
- 09:30-09:50 **Title: Semiallogenic vaccines for the treatment of cancer and neurological disorders**
Dr. Mark S. Kindy, Medical University of South Carolina, USA
- 09:50-10:10 **Title: Efficacy of a mixture of synthetic peptides overlapping the conserved CBD1 epitope in gp41 of HIV-1 to protect against SHIV162P3 rectal challenge in cynomolgus macaques**
Dr. Ara Hovanessian, Université Paris Descartes, France
- Coffee Break 10:10-10:20
- 10:20-10:40 **Title: Mimotopes selected with neutralizing antibody against multiple subtypes of Influenza A**
Dr. Yanwei Zhong, Beijing 302 Hospital, China
- 10:40-11:00 **Title: Prevention of estrogen-independent breast cancer using HER family targeted dendritic cell vaccines**
Dr. Brian J Czerniecki, University of Pennsylvania, USA
- 11:00-11:20 **Title: Immunization program in the largest U.S. jail: Protecting the highest risk individuals against influenza and hepatitis**
Dr. Mark Malek, UCLA School of Public Health, USA

Track 3-3: Development of Self-Administrative Vaccines
Track 3-4: Novel Vaccines for Livestock/Aquaculture
Track 3-5: Vaccines Strategies that over come Tumor Escape

Session Introduction

- 11:20-11:40 **Title: Pork industry intensification and the changing ecology and epidemiology of swine-origin influenza**
Dr. Michael Greger, Humane Society International, USA
- 11:40-12:00 **Title: Vaccination of lactating dairy cows for the prevention of aflatoxins carry over in the milk**
Dr. Luciano Polonelli, University of Parma, Italy
- 12:00-12:20 **Title: Recombinant Mycobacterium Heat Shock Protein-70 (rHSP-70) TLR-2, TLR-4 agonist as a perspective tool for protection against bacterial and viral infections and tumors in mice**
Dr. Denis Vorobiev, Mechnikov Research Institute for Vaccine and Sera, Russia
- Lunch Break: 12:20-12:50**
- 12:50-13:10 **Title: Challenges in the development of vaccines for leptospirosis in the Philippines**
Dr. Nina G. Gloriani, University of Philippine, Philippines
- 13:10-13:30 **Title: Optimization of anti-cysticercosis S3Pvac vaccine and experiences on its extensive application in a taeniasis-cysticercosis control program**
Dr. Edda Sciutto, Universidad Nacional Autonoma de Mexico, Mexico
- 13:30-13:50 **Title: BHV-1 gG and tk deletion decreased viral virulence, provided protection, and improved IFN- β production**
Dr. Guo Aizhen, Huazhong Agricultural University, China
- 13:50-14:10 **Title: Bacterial ghost: Novel approach of vaccine delivery in aquaculture**
Dr. Sontakke U.B, National Dairy Research Institute, India
- 14:10-14:30 **Title: Production of tissue culture anti rabies vaccine for human use in Nepal**
Dr. Ganesh Raj Pant, Rabies Vaccine Production Laboratory, Nepal
- 14:30-14:50 **Title: Decreased Leishmania DNA load and increased mRNA IFN- γ levels occur in leishmaniotic dogs vaccinated with a novel DNA vaccine for visceral leishmaniasis**
Dr. Laura Manna, Naples University School of Veterinary Medicine, Italy
- 14:50-15:10 **Title: Display of VP1 on the surface of baculovirus and its immunogenicity against human enterovirus 71 in mice**
Dr. Jimmy Kwang, National University of Singapore, Singapore
- 15:10-15:30 **Title: TcVac2R (DNA/protein), but not TcVac1R (DNA/DNA), is protective against T. cruzi infection and Chagas disease in dogs**
Dr. Nisha Jain Garg, University of Texas Medical Branch, USA

Coffee Break 15:30-15:40

Track 4: Basic Vaccinology and Modern Vaccine Discovery Technologies

Track 4-1: New Cancer Vaccine Discovery Technologies for Targetable Antigens
Track 4-4: Nanotechnology in Vaccine Delivery
Track 4-5: Vaccination and Allergy

Session Introduction

- 15:40-16:00 **Title: In-situ immunization followed by adoptive cellular therapy against breast cancer.**
Dr. Masoud H Manjili, Virginia Commonwealth University, USA
- 16:00-16:20 **Title: Carbohydrate based vaccines for the treatment of cancer**
Dr. Philip O Livingston, MabVax Therapeutics Inc., USA
- 16:20-16:40 **Title: Therapeutic vaccines using immune regulatory functions of invariant natural killer T (i NKT) cells**

Dr. Yasuyuki Ishi, Riken, Japan

16:40-17:00 Title: Synthetic virus-like particles in vaccine design

Dr. Arin Ghasparian, Virometix Ltd, Switzerland

17:00-17:20 Title: Pilot prospective multicentric case control study of severe Pneumonia in children under five years of age

Dr. Glauca Paranhos-Baccala, Fondation Mérieux, France

17:20-17:40 Title: VLPs display technology a step towards efficient vaccination platform using stable insect cell line and silkworms

Dr. Vipin Kumar Deo, Shizuoka University, Japan

17:40-18:00 Title: Pharmaceutical and immunological evaluation of Mucoadhesive nanoparticles based delivery system(s) administered intranasally

Dr. Sharad Mangal, Shantha Biotechnics Ltd, India

18:00-18:20 Title: Nanoparticle-mediated delivery of siRNA targeting the HIV-1 co-receptor CXCR4 in HeLa-Derived cells

Dr. Carole Lavigne, National Microbiology Laboratory, Canada

18:20-18:40 Title: Vaccines in the adolescent [Adolescent Immunisation]

Dr. David Baxter, University of Manchester, UK

18:40-19:00 Title: HZ incidence rates increase: Is this due to varicella vaccine use in children?

Dr. Barbara P. Yawn, Olmsted Medical Center, USA

Cocktails 19:00-20:00

Breakout -2

Breakfast 07:30-08:00

Track 4-2: Plasmid Vectors, DNA Vaccines &

Track 4-3: Vaccine Approaches to Immunotherapy and Clinical Trials

Session Introduction

08:30-08:50 Title: The innate immune response to the plague vaccine in vaccination and protection

Dr. Kei Amemiya, US Army Medical Research Institute, USA

08:50-09:10 Title: Tailoring induction of CD8 T cell quantity and phenotype by vaccine adjuvants

Dr. Lakshmi Krishnan, National Research Council-Institute, Canada

09:10-09:30 Title: Protein transfer approach to cancer vaccine development

Dr. Periasamy Selvaraj, Emory University, USA

09:30-09:50 Title: Development of dendritic cell-based tumor vaccines with high efficacy by targeting the negative regulators of DC functions: Guiding the 'misguided'

Dr. Fang-Ping Huang, Imperial College London, UK

09:50-10:10 Title: Vaccine therapy for lymphomas: From bench to bedside and back

Dr. Sattva S. Neelapu, The University of Texas M.D. Anderson Cancer Center, USA

Coffee Break 10:10-10:20

10:20-10:40 Title: Construction and immunological study on recombinant multi-epitope DNA vaccine of H3/H1 subtypes of influenza virus

Dr. Huijun Lu, Institute of Military Veterinary, P.R. China

10:40-11:00 Title: Antigen-specific therapy of EAE via intranasal delivery of filamentous phage displaying a myelin immunodominant epitope

Dr. Beka Solomon, Tel Aviv University, Israel

11:00-11:20 Title: Rebounding of dendritic cells post chemotherapy: Implication for cancer immunotherapy

Dr. Mohamed L. Salem, Tanta University, Egypt

- 11:20-11:40 **Title: Pathogen-associated molecular patterns on biomaterials: A paradigm for engineering new**
Dr. Tarek M. Fahmy, Yale University, USA
- 11:40-12:00 **Title: Identification of immunogenic proteins and generation of antibodies by phage display**
Dr. Andre Frenzel, Technische Universität Braunschweig, Germany
- 12:00-12:20 **Title: Efficacy of *Edwardsiella tarda*, *Streptococcus iniae*, *Streptococcus parauberis*, *Vibrio anguillarum*, and *Tenacibaculum maritimum* combined vaccine for cultured Olive flounder**
Dr. Bokyu Kang, Green Cross Veterinary Products Co., Ltd, Korea

Lunch Break 12:20-12:50

B2B Meeting

12:50-13:50

Poster Presentations

13:50-14:50

Cocktails 19:00-20:00

Day3 24 November 2011

Breakout -1

Breakfast 07:30-08:00

Track 5: Vaccination and the Global Challenge

Track 5-1: Adjuvants Past, Present, and Future

Track 5-2: Colonization as a Vaccine Target

Track 5-3: Therapeutic Vaccines and Vaccination of Adolescents

Track 5-4: Maternal Immunization Strategy to Protect both Mothers and Infants

Track 5-5: Vaccines against Bio-terrorism

Session Introduction

08:30-08:50 **Title: Why parents under vaccinate their children and how can practitioners reduce the incidence of vaccination exemptions**

Dr. Chad Rittle, Chatham University, USA

08:50-09:10 **Title: Mucosal immunization with an unadjuvanted vaccine that targets *S. pneumoniae* PspA to human FcγRI protects against Pneumococcal infection via complement- and Lactoferrin-Mediated Bactericidal Activity**

Dr. Edmund J. Gosselin, Albany Medical College, USA

09:10-09:30 **Title: Chitosan-based particles as adjuvants for Hepatitis B needle-free vaccines**

Dr. Olga Borges, University of Coimbra, Portugal

09:30-09:50 **Title: Colonisation endpoints in vaccine trials – Design questions for *Streptococcus pneumoniae***

Dr. Kari Auranen, National Institute for Health and Welfare, Finland

09:50-10:10 **Title: Identification of novel *Leishmania donovani* antigens for development of second generation vaccine against Leishmaniasis**

Dr. Sudipta Bhowmick, University of Calcutta, India

Coffee Break 10:10-10:20

10:20-10:40 **Title: Role of Immunomodulator KMK as a vaccine adjuvant**

Dr. Farah Khan, Jamia Hamdard University, India

10:40-11:00 **Title: Novel vaccine candidates for an improved acellular vaccine of *B. pertussis***

Dr. Maria Eugenia Rodriguez, La Plata University School of Sciences, Argentina

11:00-11:20 **Title: Malaria vaccine related studies in Iran: Past, present and future**

Dr. Saber Gholizadeh, Urmia University of Medical Sciences, Iran

- 11:20-11:40 **Title: Adjuvant-Enhanced antibody and cellular responses to recombinant FhSAP2 correlates with protection of mice to Fasciola hepatica**
Dr. Ana M. Espino, University of Puerto Rico, USA
- 11:40-12:00 **Title: Non-Inflammatory Adjuvant for Cutaneous Vaccination**
Dr. Mei X. Wu, Harvard Medical School, USA
- 12:00-12:20 **Title: Mechanism of action of the oil in water emulsion vaccine adjuvant MF59**
Dr. Ennio De Gregorio, Novartis Vaccines and Diagnostics, Italy

Lunch Break 12:20-13:00

Track 6: Regulatory and Economical aspects in Vaccines & Vaccination

Track 6-1: Vaccine Formulation, Stability and Delivery

Track 6-2: Safety Evaluation of Vaccines

Track 6-3: Vaccine Bio processing, Production and Purification

Track 6-4: Vaccine Efficacy studies

Track 6-5: Standards and Quality Control over Vaccine

Track 7-1: Vaccines and Public Health

Track 7-2: Immunization Systems and Vaccine Policy

Track 7-4: Public Health and New Vaccines Developed in Asia and other Developing Countries

Session Introduction

- 13:00-13:20 **Title: Recent Advances in high throughput screening methods for formulation development of vaccines**
Dr. S. Fernando Ausar, Sanofi Pasteur, Canada
- 13:20-13:40 **Title: Evaluating the potential of an In vitro expression system in generating difficult to-express Hc botulinum vaccines**
Dr. Ran Zichel, The Israel Institute for Biological Research, Israel
- 13:40-14:00 **Title: Vaccinia virus as recombinant viral vectors: Are we ready to use them? Insight from the field and from the lab**
Dr. Flavio Guimaraes da Fonseca, Universidade Federal de Minas Gerais (UFMG), Brazil
- 14:00-14:20 **Title: Acceptability of human papillomavirus vaccine among women in China: A literature review of surveys among 23,700 women**
Ms. Lei Yu, Chongqing Medical University, China
- 14:20-14:40 **Title: Molecular epidemiology, vaccine matching, and assessment of risk factors of foot-and-mouth disease virus circulating in Ethiopia**
Dr. Haileleul Negussie, Addis Ababa University, Ethiopia
- 14:40-15:00 **Title: Cells need safety valves**
Dr. Antoine Danchin, Institut Pasteur, France
- 15:00-15:20 **Title: Predictors of defaulting from completion of child immunization in South Ethiopia, A case control study**
Dr. Henok Tadesse Ayele, Dilla University, South Ethiopia.
- 15:20-15:40 **Title: Computational model for proliferation-able muscle stem cells**
Dr. Obaidul Malek, Ryerson University, Canada

Coffee Break 15:40 -16:00