Scientific Program

OMICS Group Conferences
Accelerating Scientific Discovery

3rd International Conference on Vaccines & Vaccination

July 29-31, 2013 Embassy Suites Las Vegas, NV, USA



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OMICS Group Conferences
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Email: *vaccines2013@omicsonline.us*

Day 1 July 29, 2013

08:00-08:30 Registrations

Flamingo Ballroom

OMICS Group Conferences
Accelerating Scientific Discovery

08:30-09:00 **Opening Ceremony**

Moderator: Haval Shirwan
Executive Editor, Journal of Clinical & Cellular Immunology, OMICS Group Inc., USA
University of Louisville, USA

Workshop

09:00-11:00 **Implementing a core team process to maximize efficiencies and minimize costs in the start-up and conduct of clinical trials**

Chair Person **Brenda S. Atchison**, The Alliance for Multispecialty Research, LLC, USA
Cynthia Dukes, ICON Clinical Research, USA
Evette Riegel, Beardsworth Consulting Group, USA
Cody Towler, Clinical Research Consortium , USA

Group Photo & Coffee Break 11:00-11:20 @ Atrium

Keynote Forum

11:20-11:25 Introduction

11:25-11:50 **Peter L. Nara**
Biological Mimetics, Inc., USA

11:50-12:15 **Ara Hovanessian**
CNRS Universite Paris Descartes, France

12:15-12:40 **Malcolm Thomas**
Arbovax Inc., USA

Lunch Break 12:40-13:40 @ Atrium

13:40-14:05 **Nikolai Petrovsky**
Flinders University, Australia

14:05-14:30 **John Dong**
GenPhar Inc., USA

Track 1: Innate and Adaptive Immune Responses to Vaccination
Track 2: Vaccinations Focusing on Induction of B or T cell Responses

Session Chair: Nikolai Petrovsky, Flinders University, Australia
Session Co-Chair: Esma S. Yolcu, University of Louisville, USA

Session Introduction

14:30-14:50 **Stabilization and drying of vaccines for novel delivery**
Robert E. Sievers, University of Colorado, USA

14:50-15:10 **Adenovirus vector-induced innate-adaptive protective immunity duo against viral and bacterial infections**
De-chu C. Tang, International Vaccine Institute, Korea

15:10-15:30 **Electric fields and IL-18 synergistically stimulate dendritic cell activity**
Xiaoqing Wei, Cardiff University, UK

15:30-15:50 **Negative vaccination with donor splenocytes engineered with FasL as an effective mean of inducing transplantation tolerance**
Esma S. Yolcu, University of Louisville, USA

Coffee Break 15:50-16:00 @ Atrium

16:00-16:20 **Design and clinical evaluation of a novel self-adjuvanting peptide-based pan influenza A T-cell vaccine**
Campbell Bunce, Immune Targeting Systems Ltd, UK

16:20-16:40 **Strategies for generation of broadly cross-neutralising anti-influenza vaccine responses**
Nikolai Petrovsky, Flinders University, Australia

16:40-17:00 **New strategies to present an anti-candidiasis synthetic glycopeptide vaccine acceptable for human use**
Hong Xin, LSUHSC & Children's Hospital Research Institute, USA

17:00-17:20 **Are there time period-related differences in the prophylactic effects of Bacille Calmette-Guerin intravesical instillation therapy? : Comparison of Japan and Western countries**
Takehiko Okamura, J.A.Aichi Anjo Kosei Hospital, Japan

17:20-17:40 **Vaccine hyporesponse in healthy elderly subjects is associated with a decrease in B cell IFN responses: Data from functional proteomic analysis using single cell network profiling**
Diane Longo, Nodality, USA

17:40-17:50 **Panel Discussion**

18:00-19:00 Cocktails: Sponsored by **Journal of Vaccines & Vaccination @ Atrium**

Day 2 July 30, 2013

Flamingo Ballroom

Track 3: Novel Approaches in Design of Cellular and Molecular-Based Vaccines

Session Chair: Nikolai Petrovsky, Flinders University, Australia
Session Co-Chair: Rajesh Kumar Sharma, University of Louisville, USA

Session Introduction

09:00-09:20 **Applications of the Vaccine Ontology (VO) in vaccine data integration and computer-assisted automated reasoning**
Yongqun "Oliver" He, University of Michigan Medical School, USA

09:20-09:40 **Rational design of Synthetic Vaccine Particles (SVP) for therapeutic treatment of chronic diseases**
Takashi Kei Kishimoto, Selecta Biociences, USA

09:40-10:00 **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**
Ara Hovanessian, CNRS - Université Paris Descartes, France

10:00-10:20 **Protection against influenza from RNActiveÂ® technology**
Benjamin Petsch, CureVac GmbH, Germany

10:20-10:40 **A novel form of 4-1BB ligand as a potent and safe adjuvant for development of therapeutic cancer vaccines**
Rajesh Kumar Sharma, University of Louisville, USA

10:40-11:00 **Correct L1 initiation codon generates immunologically reactive virus-like particles of a novel laboratory mouse papillomavirus (MusPV)**
Joongho Joh, University of Louisville, USA

Coffee Break 11:00-11:10 @ Atrium

11:10-11:30 **The T-body approach combining antibody specificity with T cell activity for adoptive vaccination of cancer**
Zelig Eshhar, The Weizmann Institute of Science, Israel

11:30-11:50 **Novel non-pyrogenic hydrophobized norAbuMDP and norAbuGMDP analogues for construction of proteoliposome vaccines**
Milan Raska, Palacky University, Czech Republic

11:50-12:10 **The pharmacodynamic study and safety evaluation on tuberculosis DNA vaccines**
Xueqiong Wu, Institute for Tuberculosis Research, China

12:10-12:30 **Nanoparticles: The next generation delivery vehicle for DNA vaccines**
Muhammad Ali A Shah, Southeast University, China

12:30-12:40 **Panel Discussion**

Lunch Break 12:40-13:40 @ Atrium

Track 4: Vaccines against Infectious Diseases and Cancers

Session Chair: Haval Shirwan, University of Louisville, USA

Session Introduction

13:40-14:00 **Live attenuated tetravalent dengue virus host range vaccine elicits immune response in African green monkeys**
Malcolm Thomas, Arbovax Inc, USA

14:00-14:20 **SA-4-1BBL as a Novel adjuvant for the development of therapeutic vaccines**
Haval Shirwan, University of Louisville, USA

14:20-14:40 **Vaccination with an adenoviral vector expressing calreticulin human papillomavirus 16 E7 fusion protein eradicates E7 expressing established tumors in mice**
Jorge G. Gomez-Gutierrez, University of Louisville, USA

14:40-15:00 **Plant-derived biopharmaceuticals: Moving plant-derived antibodies and vaccines towards clinical trials**
Rainer Fischer, Fraunhofer IME, Germany

15:00-15:20 **Enhancing the efficacy of conventional BCG vaccine**
Zakaria Hmama, University of British Columbia, Canada

15:20-15:40 **Vaginal Epithelial Model for testing effectiveness of vaccines and microbicides against STIs**
Alwyn Rapose, Reliant Medical Group, USA

Coffee Break 15:40-15:50 @ Atrium

15:50-16:10 **Potent neutralizing antibodies against CMV infection of both fibroblast and epithelial cell infection induced using a multivalent eVLP vaccine candidate**
David E Anderson, VBI Vaccines, USA

16:10-16:30 **Intratumoral heterogeneity and identification of tumor initiating cells (TIC) for cancer vaccination**
Saroj Basak, University of California Los Angeles, USA

16:30-16:50 **Development of vero cell-based influenza H5N1 vaccines**
Min Shi Lee, National Health Research Institutes, Taiwan

16:50-17:10 **Innovations in advanced cancer therapy: Therapeutic vaccines for chronic treatments**
Gisela Gonzalez, Center of Molecular Immunology, Cuba

17:10-17:30 **Your vaccine is served; BON APPETIT: An oral DNA carrying nanovaccine targets APC and eradicates melanoma in mice**
Pirouz Daftarian, University of Miami, USA

17:30-17:40 **Panel Discussion**

Stardust

Young Research Forum

Session Chair: Peter L Nara, Biological Mimetics Inc., USA

15:50-16:00 **Promising horizons: Physicians as HPV vaccine advocates**
Sana Shahram, University of British Columbia, Canada

16:00-16:10 **Production and characterization of monoclonal antibodies to Ebola glycoproteins**
Humberto Hernandez, University of Texas Medical Branch, USA

16:10-16:20 **Peptide/IFA emulsions limit tumor-specific CD8+ T cells tumor trafficking**
Yared Hailemichael, The UT MD Anderson Cancer Center, USA

16:20-16:30 **Tetravalent protein vaccine against Staphylococcus aureus**
Nisha Nair, Amrita Centre for Nanosciences and Molecular Medicine, India

16:30-16:40 **RNAi-based characterisation of tegument annexin as a novel vaccine candidate againt schistosomiasis**
Leow Yee, Queensland Institute of Medical Research, Australia

16:40-16:50 **DNA vaccine encoding Hantavirus Gn, targeted to the MHC class II compartment by LAMP, significantly elicits specific immune responses and induces immune protection against Hantavirus challenge in vivo**
Dongbo Jiang, The Fourth Military Medical University, P.R.China

16:50-17:00 **Safety and immunogenicity of an inactivated whole-virion chromatographic vaccine with aluminum against influenza Ð (H1N1) pdm09: A randomized, blinded, dose-dependent placebo-controlled clinical study**
Kaissar Tabynov, Research Institute for Biological Safety Problems, Kazakhstan

17:00-17:10 **Effectiveness of BCG vaccination in preventing tuberculosis**
Ahtisham Ul Haq, Service Institue of Medical Sciences, Pakistan

17:10-17:20 **Immunomodulatory functions of defensins, innate molecules, as mucosal adjuvant with the peptide antigens of HIV-1 at the mucosal surfaces**
Teena Mohan, All India Institute of Medical Sciences, India

17:20-17:30 **Panel Discussion**

16:30-17:30 **Poster Presentations P-001-P-010 @ Riviera**

17:30-18:30 **Poster Presentations P-011-P-020 @ Riviera**

18:30-19:30 Cocktails: Sponsored by **Journal of Clinical & Cellular Immunology @ Atrium**

Day 3 July 31, 2013

Flamingo Ballroom

Track 5: Manufacturing, Production, and Development of Vaccines to Track 9: Age-specific Immune Response to Vaccinationv

Session Chair: Pedro Reis, AC Immune, Switzerland

Session Introduction

09:00-09:20 **Challenges and exciting solutions to downstream bioprocessing operations for the manufacturing of therapeutic vaccine candidates**
Timothy Lee , Latham Biopharm Group, USA

09:20-09:40 **Development of a broad spectrum vaccine against invasive meningococcal disease**
Graham Clarke, ImmunoBiology Ltd, UK

09:40-10:00 **SupraAntigenTM technology platform; Manufacturing and development of vaccines for the treatment of Alzheimer diseasew**
Pedro Reis, AC Immune, Switzerland

10:00-10:20 **Immunization in family medicine â€“ experiences from Bosnia and Herzegovina**
Zarema Obradovic , University of Sarajevo, Bosnia and Herzegovina

10:20-10:40 **Cost-effectiveness of an additional birth dose of Hepatitis B vaccine to prevent perinatal transmission in medical setting in a developing country (Mozambique)**
Vinod Mrithinjayam, Accenture Management Consulting, India

10:40-11:00 **Cost of illness for cholera in a high risk urban area in Bangladesh: An analysis from the household perspective**
Abdur Razzaque Sarker, International Centre for Diarrhoeal Disease Research, Bangladesh

Coffee Break 11:00-11:10 @ Atrium

11:10-11:30 **Immunological pattern of Hepatitis B infection among exposed and nonexposed babies in a PMTCT program in low resource setting: Does every exposed newborn require 200IU of hepatitis B immunoglobulin**
Joseph Onakewhor, University of Benin Teaching Hospital, Nigeria

11:30-11:50 **Incorporating of immunization course in pharmacy curriculum in Malaysia**
Omer Qutaiba B. Al-lela, International Islamic University Malaysia, Malaysia

11:50-12:10 **The observation of the immunization effect of hepatitis b vaccine to the newborn with HBeAg positive**
Zahng Ping, Tianjin Institute of Liver Diseases, China

12:10-12:20 **Panel Discussion**

Award Ceremony

Lunch Break 12:20-13:20 @ Atrium

Bookmark your dates

OMICS Group Conferences
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4th International Conference on
Vaccines & Vaccination
September 2014 Valencia, Spain