111th OMICS Group Conference

Scientific Program

3rd International Conference on
Vaccines & Vaccination

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



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Day 1 July 29, 2013

08:00-08:30 Registrations

Flamingo Ballroom

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 **Title: Stabilization and drying of vaccines for novel delivery**
Robert E. Sievers, University of Colorado, USA

14:50-15:10 **Title: 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 **Title: Electric fields and IL-18 synergistically stimulate dendritic cell activity**
Xiaoqing Wei, Cardiff University, UK

15:30-15:50 **Title: 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 **Title: 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 **Title: Strategies for generation of broadly cross-neutralising anti-influenza vaccine responses**
Nikolai Petrovsky, Flinders University, Australia

16:40-17:00 **Title: 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 **Title: 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 **Title: 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 **Title: 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 **Title: Rational design of Synthetic Vaccine Particles (SVP) for therapeutic treatment of chronic diseases**
Takashi Kei Kishimoto, Selecta Biociences, USA

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

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

10:20-10:40 **Title: 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 **Title: 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 **Title: 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 **Title: Novel non-pyrogenic hydrophobized norAbuMDP and norAbuGMDP analogues for construction of proteoliposome vaccines**
Milan Raska, Palacky University, Czech Republic

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

12:10-12:30 **Title: 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 **Title: Live attenuated tetravalent dengue virus host range vaccine elicits immune response in African green monkeys**
Malcolm Thomas, Arbovax Inc, USA

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

14:20-14:40 **Title: 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 **Title: Plant-derived biopharmaceuticals: Moving plant-derived antibodies and vaccines towards clinical trials**
Rainer Fischer, Fraunhofer IME, Germany

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

15:20-15:40 **Title: 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 **Title: 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 **Title: Intratumoral heterogeneity and identification of tumor initiating cells (TIC) for cancer vaccination**
Saroj Basak, University of California Los Angeles, USA

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

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

17:10-17:30 **Title: 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	**Title: Promising horizons: Physicians as HPV vaccine advocates** **Sana Shahram,** University of British Columbia, Canada
16:00-16:10	**Title: Production and characterization of monoclonal antibodies to Ebola glycoproteins** **Humberto Hernandez,** University of Texas Medical Branch, USA
16:10-16:20	**Title: Peptide/IFA emulsions limit tumor-specific CD8+ T cells tumor trafficking** **Yared Hailemichael,** The UT MD Anderson Cancer Center, USA
16:20-16:30	**Title: Tetravalent protein vaccine against Staphylococcus aureus** **Nisha Nair,** Amrita Centre for Nanosciences and Molecular Medicine, India
16:30-16:40	**Title: 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	**Title: 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	**Title: 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	**Title: Effectiveness of BCG vaccination in preventing tuberculosis** **Ahtisham Ul Haq,** Service Institue of Medical Sciences, Pakistan
17:10-17:20	**Title: 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	**Title: 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	**Title: Development of a broad spectrum vaccine against invasive meningococcal disease** **Graham Clarke,** ImmunoBiology Ltd, UK
09:40-10:00	**Title: SupraAntigenTM technology platform; Manufacturing and development of vaccines for the treatment of Alzheimer diseasew** **Pedro Reis,** AC Immune, Switzerland
10:00-10:20	**Title: Immunization in family medicine â€“ experiences from Bosnia and Herzegovina** **Zarema Obradovic ,** University of Sarajevo, Bosnia and Herzegovina
10:20-10:40	**Title: 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	**Title: 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	**Title: 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	**Title: Incorporating of immunization course in pharmacy curriculum in Malaysia** **Omer Qutaiba B. Al-lela,** International Islamic University Malaysia, Malaysia
11:50-12:10	**Title: 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

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