Joint Conference

Proceedings of

9th World Congress and Expo on

IMMUNOLOGY
IMMUNITY
INFLAMMATION & IMMUNOTHERAPIES

November 02-03, 2017  Atlanta, USA
# Conference Hall: Piedmont I & II

### Opening Ceremony

#### Keynote Forum

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>09:00-09:30</td>
<td>Title: Interleukin-6-mediated signal transduction in autoimmune disorders</td>
<td>Charles J Malemud, Case Western Reserve University, USA</td>
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<tr>
<td>09:30-10:00</td>
<td>Title: CD8+ treg in health and primary immunodeficiency diseases</td>
<td>Sudhir Gupta, University of California Irvine, USA</td>
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<td>10:00-10:30</td>
<td>Title: Paraneoplastic antigens as biomarkers for early detection and prediction of recurrence of ovarian cancer</td>
<td>Michael Andrew Tainsky, Wayne State University, USA</td>
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<tr>
<td>10:30-11:00</td>
<td>Title: Designing tumor immunotherapy amidst tumor heterogeneity</td>
<td>Periasamy (Selva) Selvaraj, Emory University School of Medicine, USA</td>
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#### Panel Discussion

#### Networking & Refreshments Break: 11:00-11:20 @ Piedmont Prefunction

**11:20-11:50** Title: The neuroimmunomodulation theory of Alzheimer’s disease  
Ricardo Maccioni, University of Chile, Chile

### Group Photo

#### Sessions:
- Novel Vaccines for Infectious Diseases  
- Immunology and Diabetes  
- Cancer and Tumor Immunobiology  
- Neuroimmunology  
- Novel Vaccines for Cancer  
- Mucosal immunology

#### Session Chairs:
- Charles J Malemud, Case Western Reserve University, USA  
- Martin J D'Souza, Mercer University, USA

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<tr>
<td>11:50-12:10</td>
<td>Title: Lipocalin2, an innate immune protein, deficiency pre-dispose mice to pro-inflammatory condition</td>
<td>Rangaiah Shashidharamurthy, Philadelphia College of Osteopathic Medicine, USA</td>
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<td>12:10-12:30</td>
<td>Title: Novel particulate vaccines for infectious diseases</td>
<td>Martin J D’Souza, Mercer University, USA</td>
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<tr>
<td>12:30-12:50</td>
<td>Title: Cationic pDNA vaccines for immuno-contraception and rabies control</td>
<td>Amit Bansal, Mercer University, USA</td>
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<tr>
<td>12:50-13:10</td>
<td>Title: Optimizing DC targeting by activation of the three signal pathway for immunotherapy in Melanoma</td>
<td>Bernadette D’Souza, Samford University, USA</td>
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#### Panel Discussion

#### Networking & Lunch Break: 13:10-13:55 @ Pecan

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<tr>
<td>13:55-14:15</td>
<td>Title: Immunotherapeutic approaches for the treatment of drug addiction</td>
<td>Keegan Braz Gomes, Mercer University, USA</td>
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<tr>
<td>14:15-14:35</td>
<td>Title: Evaluation of a matrix protein virus-like particle (M2e VLP) subunit vaccine for Influenza</td>
<td>Kimberly Braz Gomes, McMaster University, Canada</td>
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<tr>
<td>14:35-14:55</td>
<td>Title: Formulation and evaluation of novel particulate vaccine against Gonorrhea</td>
<td>Lotika Bajaj, Mercer University, USA</td>
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</tbody>
</table>
14:55-15:15 Title: Design and development of ovarian cancer vaccines  
Rikhav P Gala, The University of New Mexico, USA

Title: Adjuvanted allogeneic breast cancer vaccine: Maximizing cancer treatment by modulating the host immunity  
Nihal S Mulla, Drake University, USA

15:15-15:35 Title: Bio-fabrication and evaluation of alginate chitosan microcapsules of insulin secreting β TC-6 cells in the treatment of type 1 diabetes mellitus  
Amit Bansal, Mercer University, USA

Panel Discussion

Networking & Refreshment Break 15:55-16:15 @ Piedmont Prefuntion

16:15-16:35 Title: Formulation and testing of novel particulate vaccines for Measles  
Rikhav P Gala, The University of New Mexico, USA

Title: Development and characterization of a microparticulate vaccine formulation for metastatic breast cancer  
Rokon Uz Zaman, Mercer University, USA

16:35-17:15 Title: Promising immunotherapeutic strategies for RSV infection  
Sucheta D'Sa, Charles River Laboratories, USA

Panel Discussion

Day 2 November 03, 2017
Conference Hall: Piedmont I & II

Keynote Forum

09:00-09:05 Introduction

09:05-09:35 Title: Immuno-strategies for cancer treatment including novel particulate cancer vaccines  
Martin J D’Souza, Mercer University, USA

09:35-10:05 Title: Cytokines pattern of rats infected with Toxoplasma Gundii and supplemented with Capparis Spinosa honey  
Ahmed Gaffer Hegazi, National Research Center, Egypt

10:05-10:35 Title: Aging, pathogen-specific vaccines and chronic inflammation: Bases for ‘Mild’, ‘Moderate’ and ‘Severe’ immune disorders including site-specific cancers  
Mahin Khatami, NCI/NIH (Retired), USA

Panel Discussion

Networking & Refreshment Break 10:35-10:55 @ Piedmont Prefuntion

Workshop

10:55-11:40 Title: Chronic immuno-inflammatory diseases and applications for green tea polyphenols  
Helieh S Oz, University of Kentucky, USA

Special Session

11:40-12:00 Title: A mouse ate the Noble Prize  
Sami Bahna, Louisiana State University Health Sciences Center, USA

Sessions:
Innate Molecular Immunology | Cancer & Cellular Immunotherapy | Innate Immunity & Its Evasion  
Cell Mediated Immunity | Apitherapy and Immune System | Clinical Immunology | Immunopathology

Session Chairs:
Charles J Malemud, Case Western Reserve University, USA  
Eduard Rogatsky, Albert Einstein College of Medicine, USA

Session Introduction

Title: Immune enhancer of bee propolis  
Ahmed Gaffer Hegazi, National Research Center, Egypt  
Ahmed F M Al Gethami, Al Guthami Foundation, Saudi Arabia
Title: Release of miRNA from dietary bacteria stimulates mucosal immunity to viral pathogens
Carl V Hamby, New York Medical College, USA

Title: Dissecting the role of fractalkine receptor during EAE: New approach utilizing a humanized animal model
Sandra Cardona, University of Texas, USA

Networking & Lunch Break: 13:00-13:45 @ Pecan

Title: Ex vivo-expanded allogeneic NK cells for treatment of refractory and recurrent lymphoma and solid tumors
Yu-Kyeong Hwang, Cell Therapy Research Center, Green Cross Lab Cell Corp., South Korea

Title: Downregulation of allograft inflammatory factor-1 prevents B cell infiltration to cardiac tissue during the development of type 1 diabetes
Khadija Rafiq, Thomas Jefferson University, USA

Title: Innate immunity as a pivotal player in mobilization of hematopoietic stem cells from bone marrow into peripheral blood
Mariusz Z Ratajcak, University of Louisville, USA

Title: The effect of Azoximer bromide in treatment irritable bowel syndrome
Masoud Edalati, Isfahan University, Iran

Title: What about neutrophils and costimulatory molecules?
Ivon Teresa Clara Novak, University of Cordoba, Argentina

Title: A high throughput platform for the identification of inhibitors of integrin-mediated TGFβ activation
Ruihua Chen, Bristol-Myers Squibb Company, USA

Networking & Refreshments Break: 15:45-16:05 @ Piedmont Prefuntion

Title: Therapeutic impact of EMAP II and CD13 expression in colorectal cancer
Manal Mohamed Saber, Minia University, Egypt

Title: The role of TNF-α, IL-1β and IL-10 gene polymorphisms in resistance to toxoplasmosis infection among aborted women in Sulaimania city
Latif O Mohammed, University of Sulaimania, Iraq

Video Presentation

Title: Complement C5a in nerve regeneration under inflammatory injury
Seung Chung, University of Illinois at Chicago, USA

Panel Discussion

Poster Presentations 17:05-17:40 @ Pecan

IMMP-01
Title: HSV-1 Herpes virus targets ERAD machinery to assure its replication
Carola Otth, University Austral of Chile, Chile

IMMP-02
Title: Disruption of gastrointestinal immune function prevented by a yeast fermentate product
Henri Alexandre Giblot Ducray, Auburn University, USA

IMMP-03
Title: Elevated expression of C/EBPβ in myeloid progenitors during sepsis promotes chronic immunosuppression
Mohamed El Gazzar, East Tennessee State University College of Medicine, USA

e-Posters

IMME-01
Title: PARP-1 inhibition enhances BDNF secretion in dental pulp stem cells derived odontoblast-like cells
Yessenia Valverde, University of Illinois at Chicago, USA

IMME-02
Title: Complement C5a promotes odontogenic dental pulp stem cell differentiation
Amer Marachli, University of Illinois at Chicago, USA

Panel Discussion

Awards & Closing Ceremony