

Joint Conference

Proceedings of

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# IMMUNOLOGY IMMUNITY INFLAMMATION & IMMUNOTHERAPIES

November 02-03, 2017 Atlanta, USA

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IMMUNOLOGY SUMMIT & INNATE IMMUNITY 2017

# Scientific Program

08:00-08:30 Registrations

08:30-08:35 Introduction

Conference Hall: Piedmont I & II

conference**series**.com 08:35-09:00

## Opening Ceremony

### Keynote Forum

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

### Panel Discussion

Networking & Refreshments Break: 11:00-11:20 @ Piedmont Prefuntion

- 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

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

### Panel Discussion

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

- 13:55-14:15 **Title: Immunotherapeutic approaches for the treatment of drug addiction**  
Keegan Braz Gomes, Mercer University, USA
- 14:15-14:35 **Title: Evaluation of a matrix protein virus-like particle (M2e VLP) subunit vaccine for Influenza**  
Kimberly Braz Gomes, McMaster University, Canada
- 14:35-14:55 **Title: Formulation and evaluation of novel particulate vaccine against Gonorrhea**  
Lotika Bajaj, Mercer University, USA

- 14:55-15:15** **Title: Design and development of ovarian cancer vaccines**  
**Rikhav P Gala**, The University of New Mexico, USA
- 15:15-15:35** **Title: Adjuvanted allogeneic breast cancer vaccine: Maximizing cancer treatment by modulating the host immunity**  
**Nihal S Mulla**, Drake University, USA
- 15:35-15:55** **Title: Bio-fabrication and evaluation of alginate chitosan microcapsules of insulin secreting  $\beta$  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
- 16:35-16:55** **Title: Development and characterization of a microparticulate vaccine formulation for metastatic breast cancer**  
**Rokon Uz Zaman**, Mercer University, USA
- 16:55-17:15** **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**

- 12:00-12:20** **Title: Immune enhancer of bee propolis**  
**Ahmed Gaffer Hegazi**, National Research Center, Egypt  
**Ahmed F M Al Gethami**, Al Guthami Foundation, Saudi Arabia

**12:20-12:40** Title: **Release of miRNA from dietary bacteria stimulates mucosal immunity to viral pathogens**

**Carl V Hamby**, New York Medical College, USA

**12:40-13:00** 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**

**13:45-14:05** 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

**14:05-14:25** 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

**14:25-14:45** Title: **Innate immunity as a pivotal player in mobilization of hematopoietic stem cells from bone marrow into peripheral blood**

**Mariusz Z Ratajczak**, University of Louisville, USA

**14:45-15:05** Title: **The effect of Azoximer bromide in treatment irritable bowel syndrome**

**Masoud Edalati**, Isfahan University, Iran

**15:05-15:25** Title: **What about neutrophils and costimulatory molecules?**

**Ivon Teresa Clara Novak**, University of Cordoba, Argentina

**15:25-15:45** Title: **A high throughput platform for the identification of inhibitors of integrin-mediated TGF $\beta$  activation**

**Ruihua Chen**, Bristol-Myers Squibb Company, USA

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

**16:05-16:25** Title: **Therapeutic impact of EMAP II and CD13 expression in colorectal cancer**

**Manal Mohamed Saber**, Minia University, Egypt

**16:25-16:45** Title: **The role of TNF- $\alpha$ , IL-1 $\beta$  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**

**16:45-17:05** 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 Oth**, 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/EBP $\beta$  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**