

# *Scientific Program*



Souvenir

Annual Congress on

# **CELL SCIENCE, STEM CELL RESEARCH & PHARMACOLOGICAL REGENERATIVE MEDICINE**

November 29-30, 2017 | Atlanta, USA

Allied Academies Pte Ltd.

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## AGENDA

November 29, 2017

08:30-09:00 Registrations

**Conference Hall: Majestic I**

09:00-09:30

**Opening Ceremony**

### KEYNOTE FORUM

09:30-10:05

**Title: Lithium and stem cells-Advances in stem cell application in clinical medicine**

**Vincent S Gallicchio**, Clemson University, USA

10:05-10:50

**Title: Quiescent pluripotent stem cells capable of expressing Sox2, Oct4, Klf4 and c-Myc reside within peripheral nerves in adult mammals and can differentiate into cells of all 3 germ layers**

**Michael Heggeness**, The University of Kansas, USA

10:50-11:25

**Title: The creation of artificial lungs from decellularized tissue**

**Woodring E Wright**, UT Southwestern Medical Center, USA

### Panel Discussion

**Coffee & Networking 11:25-11:40 @ Ballroom Prefunction**

11:40-12:15

**Title: Green solutions for skin-ageing**

**Namrita Lall**, University of Pretoria, South Africa

12:15-12:50

**Title: Direct evidence of viral infection and mitochondrial alterations in the brain of fetuses at high risk for schizophrenia**

**Segundo Mesa Castillo**, Psychiatric Hospital of Havana, Cuba

### Group Photo

### Panel Discussion

**Lunch 12:50-13:50 @ Willow**

### SPEAKER FORUM

Major Sessions:

Cell Science | Stem Cell Therapeutics in Modern Era | Cellular Physiology | Structural Biology | Stem Cells | Current Research in Cell & Molecular Biology | Cancer Cell Biology | Regeneration & Therapeutics | Cancer Gene Therapy



**Chair: Vincent S Gallicchio**, Clemson University, USA



**Chair: Segundo Mesa Castillo**, Psychiatric Hospital of Havana, Cuba

- 13:50-14:20 **Title: Lung cancer and liquid biopsy**  
**Nefize Sertac Kip**, Icahn School of Medicine at Mount Sinai, USA
- 14:20-14:50 **Title: Microenvironment changes cell non-autonomously impose functional phenotypes in epithelial progenitors causing increased susceptibility to breast cancer**  
**Mark A LaBarge**, Beckman Research Institute at City of Hope, USA
- 14:50-15:20 **Title: ID4 regulates prostate development and stem cell population in mice prostate**  
**Jaideep Chaudhary**, Clark Atlanta University, USA

#### Panel Discussion

#### Coffee & Networking 15:20-15:40 @ Ballroom Prefunction

- 15:40-16:10 **Title: Computational and molecular analysis of RTN4 as novel therapeutic option for axonal regeneration**  
**Sumaira Kanwal**, COMSATS Institute of Information Technology, Pakistan
- 16:10-16:40 **Title: Targeting FOXM1 in cancer**  
**Andrei L Gartel**, University of Illinois at Chicago, USA
- 16:40-17:10 **Title: Talin2 mediates traction force generation and matrix metalloproteinase secretion to regulate cell invasion**  
**Cai Huang**, University of Kentucky, USA

#### Young Research Forum

- 17:10 -17:40 **Title: Novel, non-toxic rifamycins that reverse drug resistance in cancers through modulation of oxidative stress: Dual mode of action**  
**Seyed H Mousavi-Fard**, Texas A&M University, USA

#### Panel Discussion

#### AGENDA

November 30, 2017

**Conference Hall: Majestic I**

#### KEYNOTE FORUM

09:30-10:05

**Title: Adult stem cells and motivation in the injury tissues**

**Yong Li**, University of Texas, USA

10:05-10:40

**Title: The STK4/Hippo-YAP axis promotes metastasis by increasing cancer cell stemness**

**Bekir Cinar**, Clark Atlanta University, USA

10:40-11:15

**Title: Effect of spinal transplantation of embryonic stem cell-derived oligodendrocyte progenitor cells on spinal cord injury pain**

**Feng Tao**, Texas A&M University College of Dentistry, USA

#### Panel Discussion

**Coffee & Networking 11:15-11:25 @ Ballroom Prefunction**

**SPEAKER FORUM**

Major Sessions:

Tissue Engineering | Cancer Therapeutics & Clinical Trials | Computational Biology & Drug Designing | Regenerative Medicine | Pharmacology | Regeneration & Therapeutics | Novel Stem Cell Applications | Genetics | Cell Biology of Microbes & Parasites



**Chair: Bekir Cinar**, Clark Atlanta University, USA



**Chair: Yong Li**, University of Texas, USA

11:25-11:55 **Title: Epigenetic regulation of bone metastasis and osteoclast differentiation**  
**Woojin An**, University of Southern California, USA

11:55-12:25 **Title: Enriched platelet factors (EnPLAF™), an alternative to PRP for regeneration and rejuvenation applications**  
**Nishit Pancholi**, NeoKine Laboratories Inc., USA

12:25-12:55 **Title: Science of omics and its role in human health care**  
**Nawin Mishra**, The University of South Carolina, USA

**Panel Discussion**

**Lunch Break 12:55-13:55 @ Willow**

13:55-14:25 **Title: An *ex vivo* gene therapy strategy to treat Duchenne muscular dystrophy using a novel 3D muscle stem cell culture system and CRISPR/Cas9-mediated genome editing**  
**Wen-Shu Wu**, University of Illinois at Chicago, USA

14:25-14:55 **Title: First report of citrus yellow mosaic virus from sweet oranges in Pakistan**  
**Shazia Mannan**, COMSATS Institute of Information Technology, Pakistan

14:55-15:25 **Title: Culture of animal cell**  
**Sudha G Bansode**, Shankarrao Mohite College, India

15:25-15:55 **Title: Prostaglandin E2 receptor (EP2): A novel target to attenuate inflammation and excessive bone loss during autoimmune arthritis**  
**Rangaiah Shashidharamurthy**, Philadelphia College of Osteopathic Medicine, USA

**Young Research Forum**

15:55-16:25 **Title: Cis-vaccenic acid induces differentiation and up-regulates gamma globin synthesis in K562, JK1 and transgenic mice erythroid progenitor stem cells**  
**Idowu A Aimola**, Ahmadu Bello University, Nigeria

**Panel Discussion**

**Coffee & Networking 16:25-16:40 @ Ballroom Prefunction**

**Poster Presentations 16:40-17:40 @ Ballroom Prefunction**



**Poster Judge: Vincent S Gallicchio**, Clemson University, USA

- P01 **Title: ID4 Regulates prostate development and stem cell population in mice prostate**  
Jaideep Chaudhary, Clark Atlanta University, USA
- P02 **Title: Sendai virus recruits cellular villin to remodel actin cytoskeleton during fusion with hepatocytes**  
Sunandini Chandra, University of Delhi, India
- P03 **Title: Long-term effect of policosanol on the functional recovery of non-cardioembolic ischemic stroke patients: A one year study**  
Julio C Fernández, National Center for Scientific Research, Cuba
- P04 **Title: Lipid-lowering and antioxidant effects of policosanol in diabetic patients: A pilot study**  
Julio C Fernández, National Center for Scientific Research, Cuba
- P05 **Title: Human c-Cbl and Cbl-b proteins are more highly expressed in the thymus compared to the testis**  
Mazo Kone, University of Ibadan, Nigeria
- P06 **Title: A study on effect of anti-tuberculosis drugs on liver function**  
Liliane Uwimana, University of Rwanda, Rwanda
- P07 **Title: Co-regulation of the Glycine max soluble N-ethylmaleimide-sensitive fusion protein attachment protein receptor (SNARE)-containing regulation occurs during defense to a root pathogen**  
Keshav Sharma, Mississippi State University, USA

#### e-Posters

- CSP 01 **Title: Histopathological changes in male Wistar rats maintained on a water-based *Sutherlandia frutescens* extract**  
Nicolas John Wickens, Nelson Mandela University, South Africa

#### Panel Discussion

#### Awards & Closing Ceremony

#### Thanks Giving & Closing Ceremony

