Proceedings of
15th International Congress on
AMERICAN PATHOLOGY AND ONCOLOGY RESEARCH
&
International Conference on
MICROBIAL GENETICS AND MOLECULAR MICROBIOLOGY
December 03-04, 2018 | Chicago, USA
Day 1       December 03, 2018

Conference Hall: Superior Ballroom B

09:00-09:45 Registrations

09:45-09:55 Opening Ceremony

Keynote Forum

09:55-10:00 Introduction
Title: MicroRNAs and epigenetic change in cancer development and therapeutic resistance
Bing-Hua Jiang, The University of Iowa, USA

10:00-10:40 Title: MicroRNAs and epigenetic change in cancer development and therapeutic resistance
Bing-Hua Jiang, The University of Iowa, USA

Panel Discussion

Networking & Refreshment Break 10:40-10:55 @ Foyer
Group Photo

10:55-11:00 Title: Introduction

10:55-11:35 Title: Mechanisms of the progression from Barrett's esophagus to esophageal adenocarcinoma: Role of NADPH oxidase NOX5-S
Weibiao Cao, Brown University, USA

11:35-12:15 Title: Bacterial view of the chemical periodic table: Genes (and proteins) for each element of the chemical periodic table
Simon Silver, University of Illinois, USA

Andrea Gilbert, UT Health San Antonio, USA

Panel Discussion

Lunch Break 12:55-13:55 @ Ballroom Foyer

Sessions: Cellular & Environmental Microbiology | Cancer & Stem Cells
Session Chair: Simon Silver, University of Illinois, USA

Session Introduction

13:55-14:25 Title: Elucidating the role of hexokinase-2 in hepatocellular carcinoma and implications for cancer therapy
Dannielle DeWaal, University of Illinois, USA

14:25-14:55 Title: Characterization of PHA synthases of Aceintobacter baumannii isolate p39, Bacillus cereus isolate p83 and Azomonas macrocytogenes isolate p173 in a comparative approach
Noha Elgendy, Ain Shams University, Egypt

14:55-15:25 Title: The new antagonistic fungus: Aspergillus piperis
Samah Abd El-Kader El-Debaiky, Tanta University, Egypt

Panel Discussion & Group Photo 15:25-15:30

Networking and Refreshment Break 15:30-15:45 @ Foyer

Sessions: Surgical Pathology | Cancer Therapy
Session Chair: Bing-Hua Jiang, The University of Iowa, USA

Session Introduction

15:45-16:15 Title: GRP52 is a new sensitive markers for detecting metastatic prostatic carcinoma
Shaolei Lu, Brown University, USA

16:15-16:45 Title: ROS and miRNA signaling in ovarian cancer angiogenesis, tumor growth and treatment resistance
Ling-Zhi Liu, University of Iowa Hospitals and Clinics, USA

Panel Discussion
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 10:15 - 10:55 | Keynote Forum: Title: Basic principles and emerging concepts in Epstein-Barr virus-positive marginal zone lymphoma  
Shunyou Gong, Northwestern University, USA |
| 10:55-11:10 @ Foyer | Panel Discussion  
Networking and Refreshment Break |
| 11:10 - 11:50 | Title: Probiotics for Familial Mediterranean fever disease  
Astghik Z Pepoyan, International Association for Human and Animals Health Improvement, Armenia |
| 11:50 -12:20 | Session: Microbial Metabolism | Cellular & Environmental Microbiology  
Sessions Chair: Simon Silver, University of Illinois, USA  
Session Introduction |
| 11:50 -12:20 | Title: Opposing roles of the Fork-head box genes FoxM1 and FoxA2 in liver cancer  
Vaibhav Chand, University of Illinois, USA |
| 12:00-12:50 | Lunch Break 12:50-13:50 @ Ballroom Foyer  
Sessions Chair: Bing-Hua Jiang, The University of Iowa, USA  
Session Introduction |
| 12:20-12:50 | Title: Biological control of early blight of tomato plant by Aspergillus piperis  
Samah Abd El-Kader El-Debaiky, Tanta University, Egypt |
| 13:50-14:20 | Sessions: Gastrointestinal and Liver Pathology | Cancer Research | Cancer Therapy  
Sessions Chair: Simon Silver, University of Illinois, USA  
Session Introduction |
| 13:50-14:20 | Title: Microsatellite instability pathway and molecular genetics of colorectal cancer  
Juel Chowdhury, University of Illinois, USA  
Title: The enzymatic degradation comparision of Silk Fibroin Hydrogel (SFH), Silk Xanthan Hydrogel (SXH) and Silk Silver-Nanoparticles Hydrogel (SSH) for Drug Delivery Systems (DDS) applications  
Omoyayi Ibrahim O, Near East University, Turkey  
Title: Glutathione inhibition, together with increased vitamin D intake as potential therapeutic approach against prostate cancer progression during the early stage: A review  
Lawrence Okonkwo Aka, St. Matthew’s University, Cayman Islands |
| 16:15-16:45 | Video Presentation |
| 16:15-16:45 | Title: Epidemic flu viruses  
Giulio Tarro, Beaumont Bonelli for Cancer Research, Italy |
| 16:45-17:00 | Panel Discussion  
Award Ceremony  
Thanks Giving & Closing Ceremony |