



3rd International Conference on
ADVANCED GENETICS

November 13-15, 2019 | Baltimore, MD

Day-1 November 13, 2019

Keynote Speaker Session

08:00-08:30 **The Intelligent Genome: Epigenetics and the Integration of Biological Sex & Gender.**
Marianne J. Legato, Columbia University, New York, NY

08:30-09:00

A clinical approach to non-small cell lung carcinoma using CRISPR-directed gene editing
Eric B. Kmiec, Director, Gene Editing Institute, Newark, DE

09:00-09:30 **Genome-wide scans of myopia in Pennsylvania Amish families reveal significant linkage to 12q15, 8q21.3 and 5p15.33**

Joan Bailey-Wilson, NIH/NHGRI, Baltimore, MD

09:30-10:00 **A molecular approach to estimate the age of forensically relevant body fluid stains using quantitative PCR**

Robert W. Allen, Oklahoma State University, CHS, Oklahoma, OK

Coffee Break 10:00-10:30

10:30-11:00 **Global epigenomic regulation of tumor suppression in leukemia**

Sinisa Dovat, Pennsylvania State University, College of Medicine, Hershey, PA

11:00-11:30 **A –to– I microRNA Editing and Melanoma Metastasis**

Menashe Bar-Eli, Director, Cancer Biology Program, M.D. Anderson, Houston, Texas

11:30-12:00 **The Future of Biology lies Outside the Genome and Outside the Cell**

Indraneel Mitra, Tata Memorial Centre, India

12:00-12:30

Thrombopoietin and its Signaling Receptor in Human Health and Disease: A pathogenetic contributor and attractive therapeutic target for several blood cell disorders

Kenneth Kaushansky, Senior Vice President of Health Sciences, Stony Brook University, Stony Brook, NY

Lunch Break 12:30-13:30

Session-I Cancer Genetics

13:30-13:55 **Role of aging-related DNA methylation dynamics in shaping tumor development**

Hariharan Easwaran, Johns Hopkins University, Baltimore, MD

13:55-14:20 **Dimensionality Reduction Method Application Process**

Dayana Carla de Macedo, State University of Centro-Oeste, Brazil

14:20-14:45 **Molecular findings in high-grade endometrial carcinomas**

Tricia Murdock, Johns Hopkins Hospital, Baltimore, MD

14:45-15:05 **Regulation of cancer stem cells by microRNA**

Qi-En Wang, The Ohio State University, Columbus, OH

Coffee Break 15:05-15:30

15:30-15:55 **A novel form of 4-1BBL as a single agent prevents the development of various tumor types through nonspecific activation of CD4+ memory-like T and NK cell**

Haval Shirwan, University of Louisville, Louisville, KY

15:55-16:20 **NOD-like receptors: an interface between innate immunity and cancer progression**

Ricardo G Correa, NCI-Designated Cancer Center, La Jolla, CA

Note: This is Day-1 tentative program subject to change

