

Day 1 | August 31, 2017 | Thursday

Registrations

Opening Ceremony

Keynote Forum

Introduction

Title: What 40-plus years of study have taught us about the DNA-looping protein AraC and its regulation of the L-arabinose operon in *Escherichia coli*.

Robert Schleif, Johns Hopkins University, USA

Title: Unraveling the puzzles of human DNA replication

Tahir H Tahirov, University of Nebraska Medical Center, USA

Workshop

Title: Selective degradation of oxidized RNA

Zhongwei Li, Florida Atlantic University, USA

Speaker Session

Title: Using Forensic DNA analysis as an investigative tool to answer questions about the past

J. Thomas McClintock, Liberty University, USA

Title: DNA methylation as a mechanism that facilitates target search by transcriptional activators

Junji Iwahara, University of Texas Medical Branch, USA

Title: Stereochemical Course of Site-specific DNA Recombination Revealed by Methylphosphonate-substituted DNA substrates and active site variants of Flp and Cre Recombinases

Makkuni Jayaram, Louisiana State University Health-Shreveport, USA

Title: Aptamers selection methodology and strategy based on multiple modes capillary electrophoresis

Feng Qu, Beijing Institute of Technology, China

Title: Crisis of current genetic concepts, and the way to resolve it

Oleg N Tikhodeyev, Saint Petersburg State University, Russia

Title: KH Domain in DEAD-box Helicase: An Old Wine in a New Bottle?

Yuliang Wu, University of Saskatchewan, Canada

Title: Analyses of Patient-Derived Missense Mutations in Fanconi Anemia Group J (FANCJ) DNA Helicase

Robert M Brosh Jr., National Institute on Aging, NIH, USA

3 Speaker Slots are available

Panel Discussions

Day 2 | September 01| Friday

Keynote Forum

Title: Small molecule inhibitors of DNA glycosylases as potential drugs in cancer therapy

Miral Dizdaroglu, National Institute of Standards and Technology, USA

Workshop

Title: Biochemical and biological assays for the discovery and characterization of DNA helicase inhibitors

Robert M Brosh Jr., National Institute on Aging, NIH, USA

Speaker Session

Title: The DNA theory of inheritance in the scope of protein inheritance

Oleg N Tikhodeyev, Saint Petersburg State University, Russia

Title: miR-375-3p Negatively Regulates Osteogenesis by Targeting LRP5 and β-catenin

Tianhao Sun, The University of Hong Kong, China

Title: Engineering sequence-specific transcriptional repressors to disable replication of hepatitis B virus

Patrick Arbuthnot, University of the Witwatersrand, South Africa

Title: Study of Alternative Wilms tumor gene methylation as an epigenetic biomarker in acute myeloid Leukemia

Reham Abo Elwafa, Alexandria University, Egypt

Title: MCPIP1 as an ribonuclease contributing to modification of RNA profile in cell

Jolanta Jura, Jagiellonian University, Poland

Title: Cell culture and Molecular approach to decrease massive stranding of Cetaceans

Imran Rashid Rajput, Shantou University, China

Title: A FTH1 gene:pseudogene:microRNA network regulates tumorigenesis in prostate cancer

Yvonne Tay, National University of Singapore , Singapore

4 Speaker Slots are available

Closing Ceremony

Note: Tentative Program has been designed with the projected Speakers Names and Titles. Dates and timings in this program are subject to change