

Day 1 | August 31, 2017 | Thursday

Registrations

Opening Ceremony

Keynote Forum

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

Group Photo, Networking & Refreshment Break

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

Lunch Break

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, University of Texas at Austin, USA

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

Title: Specific G-quadruplex ligands modulate the alternative splicing of Bcl-X

Carika Weldon, De Montfort University in Leicester, UK

Title: KH domain in DEAD-box helicase: An old wine in a new bottle?

Yuliang Wu, University of Saskatchewan, Canada

Networking & Refreshment Break

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

Oleg N Tikhodeyev, Saint Petersburg State University, Russia

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

Feng Qu, Beijing Institute of Technology, China

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

Imran Rashid Rajput, Shantou University, China

5 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

1 Keynote slot available

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

Networking & Refreshment Break

Title: miR-375-3p negatively regulates osteogenesis by targeting LRP5 and β-catenin

Tianhao Sun, The University of Hong Kong, China

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

Lunch Break

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

Patrick Arbuthnot, University of the Witwatersrand, South Africa

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

Yvonne Tay, National University of Singapore, Singapore

Title: Structure-functional study of G-rich oligonucleotides

Guang Zhu, The Hong Kong University of Science and Technology, China

Title: Genetic control of leafy head upon microRNA coordination

Yuke He, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China

Networking & Refreshment Break

Title: Phosphylated oximes increase organophosphate toxicity

Sarah Eysoldt, Florida International University, USA

Title: Structure and function of the human telomeric POT1-TPP1 complex and its role in cancer

Prashanth Shastrula, The Wistar Institute, USA

Title: Rhizosphere microbiome assemblage is affected by soil salinity

Salma Mukhtar, Forman Christian College (A Chartered University), Pakistan

10 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