Day 1 August 27, 2018

Registrations

Hall

Opening Ceremony and Introduction

Keynote Session

Title: Precise genome-wide mapping of single nucleosomes and linkers in vivo
Razvan V. Chereji, NICHD, NIH, USA

Title: Molecular approaches using small molecule compounds and RNA interference oligonucleotides to investigate mechanistic aspects and therapeutic approaches involving DNA helicases
Robert M. Brosh Jr., National Institute on Aging, NIH, USA

Coffee Break 11:00-11:20

Title: Mechanisms of RNA-guided DNA repair and modification
Francesca Storici, Georgia Institute of Technology, USA

Speaker Sessions

Title: Genome maintenance by RECQ1 helicase and its implication in cancer biology
Sudha Sharma, Howard University College of Medicine, USA

Title: Evidence that Endogenous G-quadruplex DNA Mediates Stress Granule Assembly in Response to Oxidative Stress
Kevin D. Raney, University of Arkansas for Medical Sciences, USA

Title: Replication independent repair of DNA interstrand crosslinks mediated by XPF/SNM1A
Marina A. Bellani, National Institute on Aging, NIH, USA

Panel Discussion

Lunch Break 12:50-13:40

Title: Talk- Crisis of current genetic concepts, and the way to resolve it
Oleg N Tikhodeyev, Saint Petersburg State University, Russia

Title: Artificial Nucleosides and Nucleotides: Applications as Diagnostic and Therapeutic Agents against Cancer
Anthony Berdis, Cleveland State University, USA

Title: Hydralazine induces stress resistance and extends C. elegans lifespan by activating the NRF2/SKN-1 signalling pathway
Hamid Mirzaei, UT Southwestern Medical Center, USA

Title: Genetic basis of yeast tolerance to high temperature revealed by experimental evolution
Wen-Hsiung Li, University of Chicago, USA

Title: Crosstalk between the Fanconi Anemia (FA) and ATRX/DAXX histone chaperone pathways promotes homologous recombination mechanisms in human cells
Alexandra Sobeck, University of Minnesota, USA

Only Few Speaker slots available - Send abstract Today

Coffee Break 15:20-15:40

Title: Insight into stalled DNA replication fork rescue in E.coli
Piero R. Bianco, University at Buffalo, USA

Title: Unstable Microsatellite DNA: Replication-Dependent Double Strand Breaks Lead to Highly Mutagenic Break-Induced Replication
Michael Leffak, Wright State University, USA

Title: The effect of one night's sleep loss on physical and cognitive task performance in Kuwaiti college students: a sleep dose–response study
Mohammed Alkatan, College of Basic Education Public Authority for Applied Education & Training, Kuwait

Title: Deficient mitochondrial tRNA modifications lead diseases
Min-Xin Guan, Zhejiang University School of Medicine, China

Title: Construction of a CRISPR-based plasmid library for targeted gene deletion in yeast
Guihong Tan, University of Toronto, Canada

Only Few Speaker slots available - Send abstract Today

Panel Discussion

Day 2 August 28, 2018

Hall

Keynote Session

Title: Roles of PARP-1 and PALB2 in controlling DNA resection and strand invasion during DSB repair
Jean-Yves Masson, Laval University Cancer Research Center, Canada

Title: WNT signaling and telomere capping can be mutually supportive: potential
F. Brad Johnson, University of Pennsylvania, USA

Title: Fishing for G-quadruplexes and G-quadruplex-proximal proteins by virtue of the peroxidase properties
Dipankar Sen, Simon Fraser University, Canada

Panel Discussion

Coffee Break 10:30-10:50

Speaker Sessions

Title: Yet to receive
Kimberly Dobrinski, University of Tampa, USA

Title: DNA repair depends on specialized DNA-binding by Replication Protein A
Marc S. Wold, University of Iowa, USA

Title: Evidence that Endogenous G-quadruplex DNA Mediates Stress Granule Assembly in Response to Oxidative Stress
Kevin D. Raney, University of Arkansas for Medical Sciences, USA

Title:Mechanism underlying the coordination of high fidelity replication with mutagenesis translesion synthesis
Mark D. Sutton, University at Buffalo, USA

Title: Kinetic basis for DNA target specificity of CRISPR-Cas12a
Rick Russell, University of Texas at Austin, USA

Title: Excluded Stand Control of Hexameric Helicase DNA Unwinding
Michael A. Trakselis, Baylor University, USA

Only Few Speaker slots available - Send abstract Today

Panel Discussion

Lunch Break 12:50-13:40

Title: Cockayne Syndrome Group B Protein (CSB) and Its Role in DNA Double-Strand Break Repair
Xu-Dong Zhu, McMaster University, Canada

Title: The SMX tri-nuclease: making it safe to play with knives
Haley Wyatt, University of Toronto, Canada

Title: Repair of DNA G-quadruplexes Orchestrated by Human FANCJ and REV1
Colin G. Wu, Oakland University, USA

Title: Replication Protein Lysine Acetylation Regulates the Fidelity of the Human Genome
Lata Balakrishnan, Indiana University Purdue University Indianapolis, USA

Title: Yet to receive
Jun Ding, National Institute on Aging, NIH, USA
Title: The effect of glycerol on shape, size, and growth rate of Escherichia coli
Maryam S. Hosseini-Zare, Texas Southern University, USA

Only Few Speaker slots available - Send abstract Today

Panel Discussion

Evening Coffee Break 15:40-16:00

Poster Sessions(16:00-17:00)

MBNA01	**Title: G-Quadruplex in PARP1-Mediated DNA Damage Response** **Andrea D. Edwards, University of Arkansas for Medical Sciences, USA**
MBNA02	**Title: Hepatitis C Virus Non-structural Protein 3 (HCV NS3) Resolves G4RNA structures** **Binyam Belachew, University of Arkansas for Medical Sciences, USA**
MBNA03	**Title: The potential protective role of urokinase plasminogen activator against Oxidative induced DNA damage in periodontal ligament tissue** **Mahshid Hodjat, Tehran University of Medical Science, Iran**
MBNA04	**Title: DNA Recognition by the BRCA1 Tumor Suppressor** **Ann J. Fuelle, Oakland University, USA**
MBNA05	**Title: DNA Damage Repair Response Facilitated by the FANCJ Helicase and the REV1 Polymerase** **Mena Jirjees, Oakland University, USA**
MBNA06	**Title: Lysine Acetylation of Nuclear Pif1 Alters its Enzymatic Function** **Onyeka Ononye, Indiana University Purdue University Indianapolis, USA**
MBNA07	**Title: Elicitor signal transduction leading to enhanced norepinephrine and dopamine productivity in hairy root of Portulaca oleracea L. using a wave bioreactor** **Peyman Habibi, Embrapa Genetic Resources and Biotechnology, Brasil**
MBNA08	**Title: Nucleolin Functions as a Negative Regulator of Androgen Receptor Transcription** **Sara Moore and Elsa M. Reyes-Reyes, University of Arizona, USA**

Only Few Poster slots available - Send abstract Today

Networking Sessions
Panel Discussion
Closing Ceremony and Awards

NOTE: Program Schedule is subject to change with final allotment of the speaker slots