

BARS 2024 Agenda

8:30-8:50 am	Check-in (Breakfast, fruits coffee, and juice)
8:50 – 9:00 am	Opening remarks Michal Zalzman, UMB
9:00 – 10:40 am	Session I: Epigenetics and nuclear integrity Session Chair: Vasana Yegnasubramanian, JHU
9:00 – 9:20 am	Myriam Gorospe, NIA <i>"Responding to sublethal DNA damage: the senescent cell survival toolkit"</i>
9:20 – 9:40 am	Isabel Beerman, NIA <i>"DNA damage and Epigenetic Remodeling drive altered potential of aged HSC"</i>
9:40 – 10:00 am	Payel Sen, NIA <i>"Epigenetic mechanisms of tissue aging"</i>
10:00 – 10:20 am	Kathrin Muegge, NCI <i>"The role of the chromatin remodeler LSH in the ICF4 syndrome"</i>
10:20 – 10:40 am	Jiyou Wang, JHU <i>"DNA-initiated epigenetic regulation in a nucleotide repeat expansion disease"</i>
10:40 – 11:00 am	Coffee break and group photo
11:00 – 11:50 am	Keynote address Tanya Paull, UT Austin <i>"DNA damage and cerebellar ataxia: roles for transcription stress, PARP, and R-loops in ATM-associated neurodegeneration"</i>
11:50-12:00 pm	Discussion with keynote speaker Session Chair: Philipp Oberdoerffer, JHU
12:00 – 12:25 pm	Poster highlight talks Lauren Herr, NIA <i>"RECON Syndrome Helicase RECQL1 Trapped by a Mono-ribonucleotide Suppresses RNase H2 Incision"</i> Tae-Hee Lee, JHU <i>"Epigenetic control of topoisomerase 1 activity presents a cancer vulnerability"</i> Tehmeena Akhter, UMB <i>"Alterations in Kelch Like Protein 13 (KLHL13) disrupt cell cycle regulation and cause developmental delay along with macrocephaly in humans and zebrafish"</i> Marina Villamor-Payà, NCI <i>"TLK2 deficiency leads to neurodevelopmental and behavioral defects and impairs tumor progression"</i>
12:30 – 1:00 pm	Lunch

1:00 – 1:50 pm	Poster Session
1:50 – 3:10 pm	Session II: New approaches and concepts in DNA repair Session Chair: Michael Seidman, NIA
1:50 – 2:10 pm	Bin Wu, JHU <i>“Rapid transcription repression induced by DNA double-strand break”</i>
2:10 – 2:30 pm	Anthony Leung, JHU <i>“Cracking the PAR Code: Deciphering PARP Biology from Cellular Condensates to Molecular Structures”</i>
2:30 – 2:50 pm	Marina Bellani, NIA <i>“Responses to DNA replication stress”</i>
2:50 – 3:10 pm	Michal Zalzman, UMB <i>“Reprogramming the chromosome ends by functional histone acetylation.”</i>
3:10-3:30 pm	Coffee break
3:30 – 4:50 pm	Session III: DNA damage therapeutics Session Chair: Fred Bunz, JHU
3:30 – 3:50 pm	Michael Goldstein, JHU <i>“DDR rewiring in HPV-induced cancer causes dependence on alternative signaling pathways”</i>
3:50 – 4:10 pm	Bob Brosh, NIA <i>“Molecular-Genetic Characterization of Helicases Intimately Involved in the Replication Stress Response”</i>
4:10 – 4:30 pm	Fey Rassool, UMB <i>“Role of ZNFX1 in Viral Mimicry, Mitochondrial DNA damage-repair and STING activation in Ovarian Cancer”</i>
4:30 – 4:50 pm	Alex Drohat, UMB <i>“Repair of oxidized adenine by thymine DNA glycosylase”</i>
4:50 – 5:00 pm	Poster awards and closing remarks Travis Stracker, NCI Yie Liu, Michal Zalzman and Philipp Oberdoerffer
5:00 pm	Reception