



Scientific Program

10th International Conference on Nucleic Acids & CRISPR

August 11-12, 2026 | Virtual Conference

August 11, 2026 | Time Zone: GMT+1 (London, UK) | Time: 14:00 London, UK |
09:00 AM CST

14:00-14:05

Opening Ceremony

Keynote Speaker Session

14:05-14:30

Title: Z-DNA in Host Defense and Transcriptional Regulation

Alan Herbert, InsideOutBio, USA

14:30-14:55

Title: Decoding the DNA Damage–Inflammation Axis at Molecular Resolution: New Insights into Epigenetic Instability and Biomarker Discovery

Antonio Pezone, University of Naples Federico II, Italy

14:55-15:20

Title: Oxidative damage exacerbates the mutagenic potential of H-DNA

Karen M. Vasquez, The University of Texas at Austin, USA

15:20-15:45

Title: Development of a Plasmid-Encoded CRISPR Interference Platform for Rapid Functional Genomics in *Francisella tularensis*

Anthony J Centone, New York Medical College, USA

15:45-16:10

Title: Interaction of Nucleosomes with H1 Linker Histone at Nanoscale

Yuri Lyubchenko, University of Nebraska Medical Center, USA

16:10-16:35

Title: Development and Validation of a Scalable Local DNA Methylation Profiling Framework for CNS Tumor Classification in a Resource-Limited Academic Center

Shivani Golem, University of Kansas Medical Center, USA

16:35-17:00

Title: WILL BE UPDATED SOON

Ajit Magadum, University of South Florida, USA

Plenary Speaker Session

Sessions	Nucleic Acids: Structure, Recognition and Cleavage Oligonucleotide Design and Chemistry Telomeres and the DNA Damage Response DNA Damage and DNA Repair Vaccines and Virology
Session Chairperson	
Aleksei Shefer, Ministry of Health of the Russian Federation, 6Russia	
17:00-17:25	Title: Injectable Hydrogels for Breast Cancer Therapy: From Tumor Microenvironment-Responsive and Actively Targeted Drug Delivery to Immunotherapy and Theranostics
	Yuhang Jiao, Yunnan University of Chinese Medicine, China
17:25-17:50	Title: Development of a Visual Rapid Assay for Novel Goose Astrovirus Detection Based on RT-MIRA -PfAgo
	Dongdong Yin, Livestock and Poultry Epidemic Diseases Research Center of Anhui Province, China
17:50-18:15	Title: Exosome-Associated Proteins as Mediators and Biomarkers of Ovarian Cancer Dissemination
	Aleksei Shefer, Ministry of Health of the Russian Federation, Russia
End of Session	
Closing & Award Ceremony	
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