

Poster Sessions

Monday July 29 7:00-9:00 pm and Tuesday July 30 from 8:30-10:00 pm:

All posters will be displayed simultaneously throughout the poster sessions. Display your poster at the board # indicated below. If your name does not appear in the list, display your poster at the next available board. There is plenty of space available for additional posters.

#	Presenter	Title
1	Arturo Linan	Effect of Rotavirus Vp6 Nanotubes on the Humoral Immune Response Against Zika Virus Envelope Protein
2	Brooke Britton	The Mechanics of ATP Binding and Hydrolysis by Muts Homologs
3	Chengxiang Zhang	Chemotherapy Drugs Derived Nanoparticles Encapsulating mRNA Encoding Tumor Suppressor Proteins to Treat Triple-Negative Breast Cancer
4	Congcong Xu	Photo-Controlled Release of Paclitaxel and Model Drugs from RNA Pyramids
5	Congguang Zhang	Sustainability Analysis of Solar/Biomass Energy System
6	Craig Zirbel	Fr3d: A tool for Finding Recurrent Motifs in RNA 3d Structures
7	Dan Shu	RNA Nanotechnology for the Specific Delivery of Anti-MiRNA for Suppression of Breast, Prostate and Brain Cancer
8	Dana Driver	Nano-Channel of Viral DNA Packaging Motor for the Differentiation of Peptides
9	Daniel Binzel	Large Scale Production of Self-Assembling RNA Nanoparticles via Biological Approach, Automated Processing, and Column Gel Purification
10	Divyaa Bhagdikar	Comparative Analysis of Translational and Transcriptional S-Box Riboswitches
11	Elaina Boyle	DNA Quadruplexes for Non-Enzymatic Nucleic Acid Amplification
12	Golam Mustafa	Short Looped DNA as A force Transducer: Conversion of Single Molecule Fret Signal into force information
13	Hong Duc Phan	Use of Chemical Modification and Tandem Mass Spectrometry to Identify RNA-Protein Contact Sites in Archaeal RNase P
14	Hongyan Liu	Targeting Egfr/Her2/Her3 With A Three-in-one Aptamer-siRNA Chimera Against Her2+ Breast Cancer

15	Hongzhi Wang	Pharmacokinetic and Biodistribution Studies of pRNA Nanoparticle by Fluorescent and Radioactive Markers
16	Ila Marathe	Use of Shape-Seq and Fret to Elucidate Structure-Function Relationships in Archaeal RNase P, An Ancient Catalytic Multi-Subunit Ribonucleoprotein
17	Ioulia Rouzina	Self-Regulation of Single-Stranded DNA Wrapping Dynamics By E. Coli Ssb Mediated Through Competitive Binding
18	Janusz Bujnicki	Saxs Data-Driven Modeling of RNA 3d Structures
19	Jungshan Chang	Rapid in vivo Screening of Anticancer Drugs Using Electrospun Polylactic Acid (Plla) Microtube Array Membrane (Mtam)
20	Liqing He	A Mass Spectrometry-Based Method for Identification of Post-Transcriptional RNA Modifications
21	Lizhi Pang	Specific Delivery of Delta-5-Desaturase SiRNA Via 3WJ RNA Nanoparticles Supplemented With Dihomo- Γ -Linolenic Acid for Lung Cancer Suppression
22	Lorena Parlea	Hybrid DNA/RNA Constructs Targeting Anti-Apoptotic Pathways in Epithelial-Derived Solid Tumor Carcinomas
23	Neocles Leontis	Conformational Changes in Ribosomal RNA 3d Motifs Correlated With Ribosome Functional State
24	Nicholas Swanson	Structural Studies on Pseudomonas Aeruginosa Phage Pap3 Terminase Subunits
25	Prabesh Gyawali	A Single Molecule Study of The Impact of Small Molecules on Intermolecular G-Quadruplex formation
26	Richard Lease	Fingerloop Structures Increase Precision of RNA and DNA Self-Assembly By Base Pairing
27	Sagun Jonchhe	Decreased Water Activity in Nanoconfinement Contributes to The Folding of G-Quadruplex and I-Motif Structures
28	Satheesh Ellipilli	RNA Nanoparticles Delivering Therapeutics for Thyroid, Prostate, Breast and Brain Cancer Treatment
29	Thomas Bodnar	Key Facilitator Proteins That Mediate Sarcolemma Membrane Repair Have Potential As Therapeutics for Muscle Disease and injury
30	Weicheng Li	Allosteric Mechanisms of The Ring-Shape Regulatory Protein Trap Via Statistical Thermodynamic Modeling
31	Weina Ke	Dynamic RNA and DNA Nanoassemblies with Controlled Immunological Properties
32	Weiyu Zhao	Ratiometric Fluorescent Probes for Capturing Endogenous Hypochlorous Acid in The Lungs of Mice
33	Wojciech Kasprzak	Computational Design of Ligand-Dependent Nanostructures

34	Xin Li	RNA Dendrimers for the Delivery of RNA and Drugs to Cancer Cells
35	Yi-Yuan Yang	Pterostilbene Protects Uvb Combined with Zno Nanoparticles-induced Skin Damage Through Downregulation of Inflammasome Activation-Mediated Pyroptosis
36	Zhefeng Li	RNA Nanoparticles Cooperated With Exosome as Efficient in vivo RNAi Delivery for Cancer Treatment
37	Long Zhang	Effects of RNA Nanoparticle Size, Shape, Structure, Sequence and Surface Chemistry on Biodistribution, Immunogenicity and Endosome Escape

