

IS3NA-IRT Virtual Symposium 2021
Poster Index

Poster #	Title	Presenting Author
P01	Efficient alkene–alkene photo-cross-linking reaction on the flipping-out field in duplex DNA	Ahmed Abdelhady
P02	Synthesis of new cyclic dinucleotide analogues (CDNs) modified by N-acylsulfonamide linkages	Romain Amador
P03	Fluorescent nucleotide-based probe as a tool for high-throughput screening of decapping enzyme inhibitors: targeting viral decapping enzyme D9.	Marcelina Bednarczyk
P04	Probing structure and sequence effect of DNA i-motifs structures by native ion mobility mass spectrometry	Sanae Benabou Zdaou
P05	Characterization of Commercial Fluorescent DNA-Intercalating Dyes: Probing the Transcription-Induced B/Z-Transition	Hayley Bennett
P06	Real-time Monitoring of Human Guanine Deaminase Activity by an Emissive Guanine Analog	Marcela Bucardo
P07	Synthesis and Evaluation of Functionalized Oligonucleotides as Serine Protease Mimics	Crystalle Chardet
P08	β -Substituted acyclic nucleosides phosphonates as potent antimalarials	Thomas Cheviet
P09	Synthesis of Triazole-Linked SAM-Adenosine Conjugates: Functionalization of Adenosine at N-1 or N-6 Position without Protecting Groups	Dylan Coelho
P11	Multiplexing ligands through click chemistry at the anomeric site of sugars for oligonucleotide conjugation	Dhrubajyoti Datta
P12	RNA ligation towards mono and dually labeled RNAs	Anaïs Depaix
P13	Development of a fluorescent aptamer-based assay for RNA degradation studies	Mateusz Fido
P15	Elimination of off-target effect of siRNA by chemical modification	Masayuki Fujii
P16	Structural characterization of long repeated RNA associated with ALS	Miguel Garavís
P17	Mechanistic aspects of the BH3 group substitution and modification in boranephosphonates	Justyna Gołębiewska
P18	Towards miRNA sensors based on SWCNTs and oligonucleotides	Arturo González-Camunas
P19	Specificity profiling of decapping enzymes using HTS aptamer - based probes	Katarzyna Grab
P20	Efficient Induction of cGAS-mediated Innate and Adoptive Immune Responses.	Sergei Gryaznov
P21	Controlled Monofunctionalization of Molecular Spherical Nucleic Acids on a Buckminster Fullerene Core	Vijay Gulumkar

IS3NA-IRT Virtual Symposium 2021
Poster Index

P22	Structural Modifications to Internal Oligoguanidinium Transporter Tune Endosomal Escape for Enhanced Cytosolic Delivery	Shalini Gupta
P23	Site-directed spin labeling of oligonucleotides with short-tethered trityl radicals	Thomas Halbritter
P24	Bioinspired Preorganized Peptide-Nucleotide Nanofibers	Simone Hendrikse
P25	Structure elucidation of the natural queuosine derivatives galactosyl-queuosine (galQ) and mannosyl-queuosine (manQ) by total synthesis	Markus Hillmeier
P26	Development of Fluorescent Thymidine Analog, dioxT and Its Utilization in FRET.	Shingo Hirashima
P27	Tropylium Derivatives as New Entrants that Sense Quadruplex Structures	Daisuke Hori
P28	Nucleoside analogues with a seven-membered sugar ring: synthesis and structural compatibility with DNA in DNA:RNA hybrids.	Sunit Jana
P29	STAUDINGER TRACELESS REACTION FOR BIOCONJUGATION OF 3'-end of RNA	Camelia Kitoun
P30	A new method for the synthesis of oligonucleotide conjugates with amide bond via the modified phosphate group by the Staudinger reaction	Kristina Klabenkova
P31	Structural requirements for photo-induced RNA-protein cross-linking	Anna Knörlein
P32	Amide-modified RNAs for CRISPR-Cas9 technology	Venubabu Kotikam
P33	Synthesis and evaluation of novel triazole trinucleotide cap analogs	Mateusz Kozarski
P34	Phosphoramidate linkage approach for molecular barcoded transcript analysis	Ivan Kozlov
P35	Nucleoside 5'-O-Selenophosphates: synthesis, properties and activity towards cancer cells.	Agnieszka Krakowiak
P36	Design, Synthesis and Characterization of Fluorescent Molecular Rotor-containing Thymidine Analog	Tomotaka Kumagai
P37	The Guiding Role of 2'-5'-Linked Nucleic Acids in 'Origin of Life' Puzzle	Vaijayanti Kumar
P38	Introducing self-penetrating morpholino antisense oligonucleotides: Synthesis and Evaluation of gene silencing properties	Jayanta Kundu
P39	Study of B→Z-DNA transition by NMR spectroscopy	Quanjian Li
P40	Preclinical characterization of antagomiR-218 as a potential treatment for Myotonic Dystrophy	Beatriz Llamusi
P41	A Dual Enhancement Strategy for Metabolic Labeling of Vinyl Nucleosides	Morten Loehr

IS3NA-IRT Virtual Symposium 2021
Poster Index

P42	Thiocoumarin Caged Nucleotides: Synthetic Access and Their Photophysical Properties	Jiahui Ma
P43	Simple chemical approaches to introduce 2,6-diaminopurine and 2-aminoadenine conjugates into oligonucleotides	Mimouna Madaoui
P44	Synthesis of cyclic dinucleotides as modulators of STING, a pivotal protein in immunity and diseases	Jérémy MAGAND
P45	Enzyme-free modification of mRNA 3' end – fluorescent labeling and translation in vivo	Adam Mamot
P46	Native chemical ligation of peptide thioester and oligonucleotide via 2'-O-modification	Yoshiaki Masaki
P47	Direct Access to unique C-5'-acyl modified nucleosides through a Pd-catalyzed Cu(I)-mediated thioester-boronic acid coupling	Mary Anne Maverick
P48	miR-4443 is a small regulatory RNA independent of the canonic microRNA biogenesis pathway	Ari Meerson
P49	Synthesis, Photo Physical and Biochemical Evaluations of 5- Ethynyl Tropolonyl-2'-deoxyuridine Nucleoside triphosphate (Tr-dUTP)	sagarika meher
P50	A modular platform for rapidly optimizing the structure of bispecific antibodies using DNA Nanotechnology	Sabrine MESSAOUDI
P51	Modified 7-deazaadenosine ribonucleotides as antiviral agents	Nemanja Milisavljevic
P52	Development of the small molecular binder for the r(CG) repeat	Hirota Murase
P53	1,2,3-Triazoles as leaving groups: SNAr reactions of 2,6-bistriazolylpurines with O-, C-, P- and Se-nucleophiles	Irina Novosjolova
P54	C-nucleosides derivatives for antiviral activities	Abdelhakim Ouarti
P55	Fluorescent DNA: Synthesis and Photophysical Studies of Aminotroponyl deoxyuridinyl DNA Analogues	Subhashree Panda
P56	The minimal in vitro model of G4 DNA in a chromatin context	Iuliia Pavlova
P57	The effect of nucleotide modifications on specific binding, degradation resistance and inhibitory potential of short poly(A) tail analogs	Olga Perzanowska
P58	A dual prodrug approach for the simultaneous delivery of two bioactive nucleos(t)ides	Suzanne Peyrottes
P59	Synthesis and Characterization of O4-Methyl Adducts of C5-Modified-2'-deoxyuridines and Evaluation of Repair by O6-Alkylguanine DNA Alkyltransferases	Alexander Pontarelli
P60	Synthesis and molecular modeling of purine ribonucleotides as potential ligands of the human G protein-coupled receptor 17 (GPR17)	Marco Rabuffetti
P61	Syntheses and Properties of Stereo-Defined PS-Chiral STOPS™ Molecules for the treatment of chronic hepatitis B	Vivek Rajwanshi

IS3NA-IRT Virtual Symposium 2021
Poster Index

P62	ABN: A fluorescent nucleoside analogue with single-molecule detection capability.	George Samaan
P63	RE-SELEX: Restriction Enzyme-Based Evolution of Structure-Switching Aptamer Biosensors	Aimee Sanford
P64	Targeted Gene Regulation of GATA-3 in immune cells using Peptide Functionalized Nucleic Acid Nanocapsules as treatment for Asthma	Shraddha Sawant
P65	Impact of initiator characteristics on the efficiency of de novo DNA synthesis by terminal deoxynucleotidyl transferase	Erika Schaudy
P66	Synthesis of oligoribonucleotides containing 8-oxoG, m1G, m2,6A, or 8-bromoG and their reactivity with the exonuclease, Xrn1	Shawn Schowe
P67	Synthesis and photophysical properties of fluorescent purine derivatives	Armands Sebris
P68	A carbazole-derived nitroxide that is an analogue of cytidine – a rigid spin label for DNA and RNA	Anna-Lena Segler
P69	Synthesis of 2'-O-carbamoyl ethyl nucleic acids incorporating various alkyl chains on the carbamoyl nitrogen to evaluate their hybridization properties, resistance toward 3'-exonuclease, and their lipophilicity.	Kohji Seio
P70	The structure of i-motif/duplex junctions at neutral pH	Israel Serrano-Chacón
P71	Fluorescent DNA Analogues: Synthesis and Photophysical Studies of Troponyl DNA/RNA Analogues	Nagendra Sharma
P72	Development of 2-amino-7-deaza-6-vinylpurine-deoxyriboside as an efficient cross-linking nucleoside for anti-miRNA therapy	Nadya Soemawisastra
P73	Microscale thermophoresis-based assay for the evaluation of interaction of IFIT1 with RNA cap analogs and capped RNAs	Tomasz Śpiewła
P74	Large Stokes shift fluorescence activation in an RNA aptamer by intermolecular proton transfer to guanine	Christian Steinmetzger
P75	TMG cap conjugates with GFP fluorophore analogs as molecular probes for snurportin	Piotr Surynt
P76	Effective sequestering of miRNA-122 by GalNAc-conjugated tiny LNAs.	Chisato Terada
P77	Synthesis and Biological Evaluation of Novel Class of Cyclic Dinucleotides for STING Dependent Anti-Tumor Activity	Santosh Kumar Thatikonda
P78	Scalable Synthesis of DNA and RNA Oligomers Using Mechanochemistry	James Thorpe
P79	Remarkable Enhancement of RNaseH Cleavage Activities of RNA Complexed with Chimeric DNA-Peptide Ribonucleic Acid (PRNA)	Takehiko WADA
P80	Synthesis and Application of a 19F-labeled Fluorescent Nucleoside as a Dual-mode Probe for i-Motif DNA Structures	Wen Ann Wee
P81	The Network of Replication, Transcription, and Reverse Transcription of a Synthetic Genetic Cassette	Hui Yang

IS3NA-IRT Virtual Symposium 2021
Poster Index

P82	Introduction of Amino Acid-Nucleic Acid Hybrids (ANHs) as Novel Building Blocks for DNA Modifications	Ji Hye Yum
P83	DNA mimicry polymers containing adenine and thymine nucleotides	Solmaz Zamani