### IRT2024

PL: Plenary lecture, IL: Invited lecture, OP: Oral presentation

Time	Day 1 (Sep. 3)
9:00-	Registration, Coffee, Tea
10:00-10:20	Welcome address (VIP Welcome)
Session 1 (C	hair: Piet Herdewijn)
10:25-10:50	IL1 – Mano Manoharan, Alnylam Pharmaceuticals
	Biomimetic Chemistry of RNA Therapeutics
10:55-11:20	IL2 – Satoshi Ichikawa, Hokkaido University
	Discovery of antibacterial drug lead based on nucleoside natural products
Session 2 (C	hair: Jean-Jacques Vasseur, Co-chair: Piet Herdewijn)
11:25-12:15	PL1 – Imbach-Townsend Award Lecture – Peter Nielsen, University of Copenhagen
	A precision antisense peptide nucleic acid antibiotics platform for fighting infections
	by multidrug-resistant Gram-negative bacteria
12:15-13:45	Lunch,
	Posters I
Session 3 (C	hair: Noriaki Minakawa)
13:45-14:10	IL3 – Meena, Stoke Therapeutics
	Utilization of a Pharmacokinetic (PK) Model for STK-001 (ASO) in Patients with
	Dravet Syndrome (DS) To Support the Selection of Dosing Regimens in Clinic
14:15-14:30	OP1 – James D. Thorpe, McGill University
	Sustainable Methods for Oligonucleotide Synthesis
14:35-15:00	IL4 – Christian Ducho, Saarland University
	New adventures in oligonucleotide modifications
15:05-15:30	IL5 – Kurt V. Gothelf, Aarhus University
	Modification of oligonucleotides at phosphorus
15:30-16:00	Coffee, tea
	hair: Akimitsu Okamoto)
16:00-16:15	OP2 – Platinum Sponsor talk: ChemGenes, Yann Thrillier
	Thiophosphoramidate Morpholino Oligonucleotides (TMOs): A Novel Class of PMOs
	Compatible with Conventional Automated Oligonucleotide Synthesis
16:20-16:30	OP3 – Platinum Sponsor talk: AM Chemicals, Andrei P. Guzaev
	TRIDENT – a novel universal solid support for oligonucleotide synthesis
16:35-17:00	IL6 – Marçal Pastor-Anglada, University of Barcelona
	Membrane transporters for natural nucleosides and nucleoside- derived drugs
17:05-17:30	IL7 – Chandra Vargeese, Wave Life Sciences
	Base, sugar, and backbone modifications of stereopure oligonucleotides to improve
	pharmacology across modalities
17:40-18:10	Chu Awards
19:30	Welcome reception at Asakusa view hotel

Time	Day 2 (Sep. 4)
Session 5 (C	hair: Jean-Jacques Vasseur, Co-chair: Kathie Seley-Radtke)
9:00-9:30	PL2 – Montgomery Award Lecture – Eiko Ohtsuka, AIST
	Studies on nucleic acids syntheses
Session 6 (C	hair: Kathie Seley-Radtke)
9:35-9:50	OP4 – Malgorzata Honcharenko, Karolinska Institutet
	A Novel Approach for Synthesizing Oligonucleotide Multi-Conjugates Using
	Combined: SPAAC and IEDDA Click Chemistries
9:55-10:10	OP5 – Suzanne Peyrottes, University of Montpellier, CNRS
	Carbo- and acyclonucleoside phosphonate analogues as novel chemotypes for
	Plasmodium falciparum inhibition
10:15-10:30	OP6 – Robert Britton, Simon Fraser University
	A Rapid, Flexible and Scalable Synthesis of Nucleoside Analogues
10:30-10:55	Coffee, tea
	hair: Hiroyuki Asanuma)
10:55-11:20	IL8 – Serge Van Calenbergh, Ghent University
	Tubercidin analogues outsmart protozoan pathogens responsible for important hu-
	man and livestock diseases
11:25-11:40	OP7 – Nicholas Chim, University of California, Irvine
	Structural insights into the most efficient TNA polymerase Structural insights into the
	most efficient TNA polymerase
11:45-12:00	OP8 – Michal Hocek, the Czech Academy of Sciences
	Enzymatic Synthesis of Base-Modified RNA with Engineered DNA Polymerases
12:00-13:30	Lunch,
	Posters II
Session 8 (C	hair: Fumi Nagatsugi)
13:30-13:55	IL9 – Roger Strömberg, Karolinska Institutet
	Artificial RNases based on modified oligonucleotides
14:00-14:15	OP9 – Dong Wang, University of California, San Diego
	Structural Basis of Transcription Recognition of Expanded Genetic Alphabet by Cel-
	lular RNA Polymerases
14:20-14:35	OP10 – Michiko Kimoto, Xenolis Pte. Ltd.
	Six-Letter DNA Aptamer Generation as an Antibody Alternative
14:40-16:00	Coffee, tea
	Recruitment/Discussion session
Session 9 (C	hair: Ramon Eritja)
16:00-16:25	IL10 – Kazuo Nagasawa, Tokyo University of Agriculture and Technology
	Control of functions of dynamically formed high-order nucleic acids by polyoxazole
	compounds
16:30-16:45	OP11 – M. Carmen Galan, University of Bristol
	Small molecule G-quadruplex ligands are antibacterial candidates for Gram- nega-
	tive bacteria
16:50-17:05	OP12 – Shigeori Takenaka, Kyushu Institute of Technology
	Double-strand structuring of oligo-thymine by cyclic bis-naphthalene diimide
	Chair: Takehiko Wada)
17:10-17:25	OP13 – Vyacheslav V. Filichev, Massey University
	Structure-guided inhibition of the cancer DNA-mutating enzyme APOBEC3A
17:30-17:55	IL11 – Zlatko Janeba, IOCB Prague
	Inhibitors of enzymes of the purine salvage pathway

### IRT2024

Time	Day 3 (Sep. 5)
Session 11	
09:00-09:45	PL3 – Ikehara Award (JSNAC award) – TBD
Session 12 (	Chair: Hidetaka Torigoe)
09:50-10:15	IL12 – Tigran Chalikian, University of Toronto
	Conformational Propensities of Double-stranded G- and C-rich DNA Domains
10:20-10:35	OP14 – Claudia Sissi, University of Padova
	Non-canonical nucleic acids arrangements for targeted therapies
10:35-11:00	Coffee, tea
Session 13 (	Chair: Hisae Tateishi-Karimata)
11:00-11:15	OP15 – Chun Kit Kwok, City University of Hong Kong
	Mapping and targeting of RNA G-quadruplex structures
11:20-11:45	IL13 – Yan Xu, University of Miyazaki
	In Cell <sup>19</sup> F NMR for Non-Canonical Structures
11:50-12:15	IL14 – Janez Plavec, Slovenian NMR Centre at the National Institute of Chemistry
	NMR illuminating the dynamics of DNA structural features
12:15-13:45	Lunch,
	Posters III
14:00-18:00	Tour
18:00	Symposium Dinner at Hotel Conrad Tokyo

Time	Day 4 (Sep. 6)
Session 14 (	Chair: Elzbieta Kierzek)
09:00-09:25	IL15 – Sara N. Richter, University of Padova
	Non-canonical nucleic acid structures in the XDP neurodegenerative disease nucle-
	ic acids
09:30-09:55	IL16 – Katrin Paeschke, University Hospital Bonn
	Viral hijacking of hnRNPH1 unveils a G-quadruplex driven mechanism of stress
	control
10:00-10:25	IL17 – Kyeong Kyu Kim, Sungkyunkwan University
	Noncanonical nucleic acids: structure, function and modulation
10:25-10:55	Coffee, tea
<b>Session 15 (</b> 10:55-11:20	Chair: Asako Yamayoshi) IL18 – Daniela Montesarchio, University of Napoli Federico II
11:25-11:50	Non-canonical DNA-based aptamers for therapeutic applications IL19 – Xiaogang Qu, Changchun Institute of Applied Chemistry
11:55-12:10	Targeting Non-Canonical Nucleic Acids Structures and Their ApplicationsOP16 – Mélanie Etheve-Quelquejeu, Université Paris Cité, CNRS
12:10-13:40	Synthesis of Bisubstrate Analogues for m6A RNA Methylation Studies Lunch,
12.10 10.40	
Sossion 16 (	Posters IV Chair: Chris Meier)
13:40-13:55	OP17 – Anna M. Kietrys, Carnegie Mellon University
	Circular RNAs: an underdog of diagnostics and therapy
<b>14:00-14:1</b> 5	OP18 – Yusuke Takezawa, The University of Tokyo
	Strategic design of metal-responsive allosteric DNAzymes utilizing 5-modified uracil
	nucleobases as metal recognition sites
14:20-14:35	OP19 – Takumi Okuda, University of Würzburg
	SAMURI: SAM analogue utilizing ribozyme for site-specific RNA click tag incorpora-
	tion
14:40-15:05	IL20 – Jory Lietard, University of Vienna
	DNA, RNA and XNA microarrays: high-throughput oligonucleotide chemistry
15:05-15:30	Coffee, tea
•	Chair: Toshihiro Ihara)
15:30-15:55	IL21 – Chaoyong Yang, Xiamen University
40.00 40 45	Dendrimeric DNA Coordinate Barcoding Design for Spatial RNA Sequencing
16:00-16:15	OP20 – Yohei Yokobayashi, Okinawa Institute of Science and Technology
40.00 40 45	Controlling RNA function in mammalian cells by small molecules
16:20-16:45	IL22 – Damien Baigl, Ecole Normale Superieure
	DNA-encoded synthetic systems with life-like properties
16:50-17:20	Poster awards
17:20-17:45 17:45	Announcements, presentation of next IRT and ISNAC Closing Remarks

### Day 1: Sep. 3(Tue) 12:20 – 13:40

**\*** Please see abstract for co-author information.

#### Odd number 12:20-13:00 Even number 13:00-13:40

				Even number 13:00-13:40
P001	<b>Yoanes Maria Vianney</b> University of Greifswald Ligand- and pH-induced topological transitions of a quadruplex- duplex hybrid: implications for a molecular switch	PO	016	<b>Renata Kasprzyk</b> University of Konstanz Cell-permeable nicotinamide adenine dinucleotides for exploration of cellular protein ADP-ribosylation
P002	<b>Tina-Thien Ho</b> University of Southampton Selective tumour cell killing with novel antibody-conjugate using self-assembling DNA nanostructures	PO	017	<b>So Muramoto</b> Osaka University Synthesis of peptide oligonucleotide conjugates based on the condensation of a lysine side-chain and a thioester
P003	<b>Yogesh S. Sanghvi</b> Rasayan Inc. Development of nucleobase-functionalized molecules for self-assembling hydrogels: Potential applications in controlled drug release	PO	018	Sandra Smieszek Vanda Pharmaceuticals Efficacy and Safety of a Novel ASO Targeting IGHMBP2 Cryptic Splice Variant for the Treatment of CMT2S
P004	Danyang Ji City University of Hong Kong Pre-Defined Stem-Loop Structure Library Expedites Discovery of L-RNA Aptamer that Targets RNA G-quadruplex	PO	019	<b>Shun-Ching Wang</b> National Chung Hsing University Structural basis for water modulating RNA duplex formation in the CUG repeats of myotonic dystrophy type 1
P005	<b>Sebastian Häcker</b> Karlsruher Institut für Technologie (KIT) Probing of DNA photochemistry with C-nucleosides as photosensitizer	PC	020	<b>Shih-Chun Huang</b> National Chung Hsing University Targeting junction sites in different DNA by bis-intercalators induces topological changes with potent antitumor effects
P006	Andreas Schmidt Karlsruhe Institute of Technology (KIT) Sequence specific synthesis of DNA-chromophore architectures as light harvesting systems	PO	021	Virginia Chiu Ontario Tech University Investigating Chemically-Modified Short Activating RNAs to Increase Nuclease Stability and Gene Activation
P007	Andrea Criscuolo University of Naples Federico II Tailoring covalent dimers for the optimization of anti-HMGB1 G-quadruplex-forming aptamers	PO	022	<b>Soshu Yasuda</b> The University of Tokyo Development of novel epigenetics drug based on nucleic acid therapeutics
P008	Vanessa Hanff Goethe University Frankfurt am Main Visible light-activatable Q-dye molecular beacons for long-term mRNA monitoring in neurons	PC	023	<b>Ajaya Ram Shrestha</b> Luxna biotech Co.,Ltd. Promising protecting group for N- (tert-butyl)guanidine-bridgednucleic acid, GuNA™[tBu] to ease its application in antisense oligonucleotides
P009	Lessandro De Paepe Ghent University Templated and Sequence-Selective Pre-miRNA G-Quadruplex Targeting	PO	024	<b>Jiro Kondo</b> Sophia University Educational tools for learning the three-dimensional structure of nucleic acids
P010	Jan H. MeffertGhent UniversityMulti-Functionalization of Amine-Oligonucleotides using 5HP2Os for Stable and Versatile Bioconjugation	PO	025	Julia DietzschUniversity of WuerzburgOrthogonal fluorescence activation of small chromophores by DNA, RNA and proteins
P011	<b>Mria Chowdhury</b> The University of Western Ontario Massive red-shifted intrinsically fluorescent nucleobase molecular rotors	PO	026	Takashi OsawaOsaka UniversitySynthesis of oligonucleotides containing an S-methylthioimidate-bridged nucleic acid (Me-TIBNA) that control their abilityto form duplexes in response to pH and complementary strand
P012	<b>Prince Salvador</b> University of California, Davis Harnessing ADAR Therapeutic Potential: Cellular Repair of MeCP2 Mutation Linked to Rett Syndrome with a Fully Sugar Modified Guide RNA	PO	027	<b>Akari Endo</b> Chiba Institute of Technology Improvement of binding activity of an aptamer that binds to IgG1 by chemical modification and in silico analysis of dynamics of the aptamer
P013	Nazarii Sabat Institut Pasteur   Next-generation chemoenzymatic synthesis of chemically modified oligonucleotides	PO	028	<b>Kazuyuki Kumagai</b> Chiba Institute of Technology The RNA aptamers against the VβBCC complex
P014	Tomasz Czapik Karolinska Institutet   Special delivery: small molecules conjugates	PO	)29	<b>Kun Chen</b> Konan University Quantitative analysis of i-motif and G-quadruplex structures on CDH1 gene under pH and K <sup>+</sup> variations
P015	Christopher Wilds Concordia University C5 - Propynyl pyrimidine modified arabino - and 2' - fluoroarabino nucleic acids enhance RNA binding and are RNase H competent	PC	030	Lutan Liu Konan University Elucidating the Role of Groove Hydration on Stability and Functions of Biased DNA Duplexes in Cell-Like Chemical Environments

P031	<b>Yuta Chikada</b> Kyushu University Synthesis of Nucleotide Derivatives of Cdap for the Specific Recognition of 8-oxo-dG in DNA	P046	<b>Masato Sugawara</b> Aoyama Gukuin University Installing reactive tags into phosphate backbone to regulate the duplex formation on the bead toward multiplex biomolecular detection
P032	<b>Masahiro Wakano</b> The University of Tokyo Reversible optical control of receptor activity by an oligonucleotide based agonist carrying azobenzene	P047	<b>Katarzyna Frankowska</b> Centre of New Technologies University of Warsaw Chemical circularization of full-length mRNA performed by periodate oxidation and reductive amination
P033	<b>Juki Nakao</b> Nagasaki University Development of Photo-reactive Oligonucleotides with Novel Psoralen N-hydroxysuccinimides for Gemone Editing Tools	P048	Stefan VogelUniversity of Southern DenmarkProgrammable mRNA Loading of Extracellular Vesicles
P034	Kerstin Müller Karlsruhe Institute of Technology Sydnone-based turn-on fluorogenic probes	P049	Jamila A. Osman NIHS Synthesis of interstrand crosslinked nucleic acids using 2' -deoxythioguanosine-functionalized oligonucleotides
P035	Nazmie Kalisi University of Southern Denmark Programmable RNA Loading of Extracellular Vesicles with Toehold-Release Purification	P050	<b>Rikuto Maruyama</b> Osaka University IImpact of controlling duplex-forming ability toward the target RNA strand on the RNA cleavage activity of 8–17 DNAzyme
P036	<b>Ryosuke Nagasawa</b> Tohoku Univ. Large-scale analysis of RNA-binding selectivity of a small molecule utilizing structured RNA libraries	P051	<b>Faith Kivunga</b> INSERM Lipid-stapled Oligonucleotide Supramolecular Structures: Baits for Anticancer Therapeutic Application
P037	<b>Kazuki Kuwahara</b> Tohoku University Formation of pseudorotaxane and catenane by chemically cyclizedoligo DNAs	P052	Patricia Korczak INSERM The oligonucleotide synthesis on automated ÄKTA oligopilot synthesizer at the ARNA Laboratory and their purification process
P038	Minako Narita The University of Tokyo Nano-assembled structures and cellular delivery of fluorocarbon–DNA conjugates	P053	<b>Reiko Iwase</b> Teikyo University of Science Fluorescent property of 2' -O-methyl RNA containing amide-linked uridine dimer modified with pyrene on hybridization with RNA
P039	<b>Glenn A. Burley</b> University of Strathclyde Structure and functional profiling of abasic sites: platform for the development of pivot-based therapeutic oligonucleotides	P054	Kento MiyajiTokyo Institute of TechnologySynthesis and properties of prodrug-typeoligodeoxynucleotides activated by β-galactosidase
P040	<b>Kentaro Kobata</b> Kyoto Institute of Technology Photo-cross-linking oligonucleotides as a telomerase inhibitor	P055	<b>Zumila Hailili</b> Japan Advanced Institute of Science and Technology Towards chemical genomic manipulation: photochemical double- duplex invasion using ultra-fast photo-cross-linker
P041	<b>Koki Takeda</b> Kyoto Institute of Technology Synthesis and evaluation of diazirine-tethering ODNs for selective photo-cross-linking with mutated RNAs	P056	Jennifer Frommer University of Oxford Flexizyme-mediated DNA labelling
P042	Tatsuya OzasaAoyama Gakuin UniversityPreparation of oligodeoxynucleotides bearing azide methyl group and their application	P057	<b>Mizuki Tada</b> Nagoya university Evaluation of the structure-activity relationship of minimal mRNA
P043	<b>Chisa Takemori</b> Tokushima Bunri University Synthesis and properties of oligonucleotides containing 2' -C,4' -C-methylene-bridged thymidine	P058	Philip K. Wagner University of Cologne Exploring Unnatural Nucleic Acids for Enhanced Biomolecular Labeling
P044	<b>Yuta Ito</b> Tokushima Bunri University Synthesis of oligonucleotides containing 5-heteroarylpyrimidine bases by post-synthetic trifluoromethyl conversion and their fluorescence properties	P059	<b>Zimu Zhang</b> Tokyo Institute of Technology Exploration of RNA aptamers against photoreceptor protein DrBphP
P045	<b>Arya Das</b> Technical University of Munich Ultra-large-scale on-array mapping of off-target cleavage of chemically-modified crRNA in Cas9 and Cas12a	P060	Tayler D. Prieto OtoyaUniversity of ReadingRe-pairing DNA: binding of a ruthenium phi complex to a double mismatch

# Day 2: Sep. 4(Wed) 12:05 - 13:25

**\*** Please see abstract for co-author information.

#### Odd number 12:05-12:45 Even number 12:45-13:25

			Even number 12:45-13:25
P061	<b>Yuka Kataoka</b> Nihon University Investigation of RNA imaging using the signal amplification by ternary initiation complexes system in cell	P076	<b>Michelle Vogts</b> University of Hamburg Development of a targeted HILIC-MRM Method for the Quantification of TriPPPro Prodrugs and their Metabolites in complex Mixtures
P062	Tatsuya NishihiaraAoyama Gakuin UniversityIntensity-changing fluorescent barcode beads for the multiplex biomolecular analysis using the artificial oligodeoxynucleotide sensor	P077	<b>Elzbieta Kierzek</b> Institute of Bioorganic Chemistry Polish Academy of Sciences In cellulo and in virio secondary structure of vRNA of influenza A virus
P063	Yuho Abe Nihon University Design of novel acyclic ESF nucleosides for DNA sequence analysis	P078	<b>Eriks Rozners</b> Binghamton University Amide modifications improve on-target specificity of siRNAs
P064	<b>Mark M. Somoza</b> Leibniz Institute for Food Systems Biology An open - source advanced maskless synthesizer for light - directed chemical synthesis of large nucleic acid libraries and microarrays	P079	Kathrin Halter LMU München Catalytic RNAs and their role in an RNA-peptide-world
P065	Yusuke Fujiwara Osaka University Photoswitchable RNA binding ligands affected the RNA foci formation and the associated RNA binding proteins	P080	Randall OuyeUniversity of California, DavisEffect of variousPhosphoramidate internucleotidiclinkages in guideOligos on ADAR deamination rate
P066	Yoshiaki Masaki Tokyo Institute of Technology Quantification of non-canonical nucleotides by next-generation sequencing	P081	<b>Jeff Cheng</b> University of California, Davis Repurposing ADARs for DNA Base Editing
P067	Katarzyna GrabUniversity of WarsawFluorescent RNAs as molecular probes for monitoring the activity of decapping enzymes	P082	Yunsong Xu The University of Tokyo Simultaneous detection of multiple miRNAs in cells through self- assembling on-off fluorescent DNA probes
P068	Van Hai Nguyen University of Warsaw Synthesis of novel mRNA 5' cap analogues for improving mRNA-based therapeutics	P083	<b>Yoshiyuki Tanaka</b> Tokushima Bunri University Crystallographically captured reactive intermediate of the enzymatic reaction of an hOGG1 mutant
P069	Victorio Jauregui-Matos University of California, Davis Site-Specific Regulation of RNA Editing with Ribose-Modified Nucleoside Analogs in ADAR Guide Strands	P084	John C. Chaput University of California, Irvine Chemical Evolution as a Generalizable Approach to Improving the Activity of RNA-cleaving DNAzymes in Cells
P070	Halle M. Barber McGill University Fluorine-Modified Antisense Oligonucleotides Targeting the C9orf72 Repeat Expansion in C9FTD/ALS	P085	<b>Carlos González</b> CSIC Structure and dynamics of i-DNA and its junctions with B-DNA
P071	<b>Kaleena Basran</b> McGill University Exploring the Potential Applications of Click Chemistry on siRNA	P086	<b>Tomasz Spiewla</b> University of Warsaw An MST-based assay reveals new binding preferences of IFIT1 for canonically and non-canonically capped RNAs
P072	Iram M. Ahmad University of Iceland Non-covalent spin-labeling of RNA through helical stacking	P087	Shuntaro Takahashi Konan University Twisting of helicity induces diverse functionality of i-motif DNA
P073	Raahul SriramCarnegie Mellon UniversityγPNAs as disrupters of biomolecular condensatesassociated with Amyotrophic Lateral Sclerosis	P088	<b>Tadashi Umemoto</b> Luxna Biotech Co. Ltd. Application of 5'-cyclopropylene deoxyribonucleic acid (5'-CP™) in siRNA to reduce phosphorothioate bonds while maintaining potency and stability
P074	Keisuke Fukunaga Tokyo Institute of Technology Development of small molecule- and protein-responsive cell-free riboswitches	P089	Tamaki EndohKonan UniversityInteractions between fluorogens and i-motif DNAs depending on loop sequences
P075	<b>Eliza Filipiak</b> Karolinska Institutet Enhancing the delivery of oligonucleotide therapeutics for Duchenne Muscular Dystrophy	P090	<b>Sinjan Das</b> Konan University ATP-mediated regulation of stability and function of i-motif DNA

P105	<b>Mitsuki Tsuruta</b> Konan University Phase separation of G-quadruplex regulated by epigenetic modification	P120	Matthias Thijs McGill University Hydrazine Oligonucleotides: New Methodology Enables Versatile Hydrazone Conjugation in Water and Organic Solvents
P104	Asako Murata Kyushu University Identification of RNA motifs for small-molecule binding using a combined method of Dicer cleavage of an RNA library and RNA-Seq	P119	<b>Gurudas Chakraborty</b> DWI-Leibniz Institute for Interactive Materials Formation of i-Motif Structure in Organic Solvents
P103	<b>Wenjue Fan</b> Tohoku University Study on base pairing and polymerase recognition of the unnatural alkynylated purine-pyridazine base pairs	P118	<b>Philippe Jung</b> RWTH Aachen University Dissipative Orchestration of a DNA-Based Cascade for Controlled Biocatalysis
P102	Hidetaka Torigoe Tokyo University of Science Specific binding of copper ion to mismatched base pair involving 5-fluorouracil in duplex DNA	P117	<b>Mitsuharu Ooga</b> Graduate School of Science Kyoto University Sequence-specific recognition of G-quadruplex structures with dual DNA-binding conjugates
P101	<b>Krista Urup</b> University of Southern Denmark Double-Headed Nucleotides in G-quadruplexes: Double Trouble or Reduced Electrostatic Strain?	P116	Minami Kato Nagoya University Generation of novel circular mRNA using G-quadruplexes
P100	Tomoka AkitaKonan UniversityStability and structural analysis of DNA/RNAheteroduplexes containing a bulge	P115	<b>Soumitra Pathak</b> National Institute for Materials Science (NIMS) Topology dependent cellular uptake of G-quadruplex scaffolded CpG oligodeoxynucleotides and their immunostimulatory effects
P099	<b>Mizuki Fujimoto</b> Tokushima Bunri University Catalytic roles of the active residues in an hOGG1 double mutant	P114	<b>Emi Miyashita</b> Kyoto University BIVID-MaP identifies variant-specific interaction between small-molecule and RNA structure
P098	<b>Shin ANDO</b> Sophia University X-ray Crystallography of Nucleic Acids by the Counter-diffusion Method in a Microgravity Environment	P113	Ayako Kurimoto Protein Metrics, LLC Optimization of a Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) Based Workflow for mRNA Oligonucleotide Sequence Mapping
P097	<b>Tomoki Sakamoto</b> Kyoto University Molecular Crowding Effects on Base Pair Dynamics and Stability in DNA Triplex Structures	P112	<b>Jussara Amato</b> University of Naples Federico II Insights into the recognition of G-quadruplex nucleic acid structures by the KHSRP protein
P096	Sunipa Sarkar Konan University Gene regulatory mechanisms of imperfect G-quadruplexes with bulges	P111	Hiromu Kashida Nagoya University Color-Changing Fluorescent Barcode for Multiplexed Labeling of biomolecules
P095	Yuuhei Yamano Tohoku university Analysis of abasic site generation in DNA by photo-catalytic reaction	P110	<b>Leo Toutatsu Liu</b> The University of British Columbia Expanding the sequence and chemical space of enzymatically synthesized oligodeoxynucleotide utilizing dimeric building blocks
P094	<b>Yoshiya Ikawa</b> University of Toyama Biochemical characterization of a trans-acting VS ribozyme and its substrate pair designed to be applicable to in droplet laboratory evolution experiments	P109	Andrea Taladriz-Sender University of Strathclyde Chemical Tools for unraveling RNA splicing
P093	<b>Kazumitsu Onizuka</b> Tohoku University Large-scale analysis of RNA alkylations using multiplexed RNA structure libraries	P108	<b>Jack Barr</b> Ghent University Light-triggered stapling of biologically relevant DNA tetraplexes increases topological, thermodynamic and metabolic stability
P092	Kosuke Tsuzuki Toholu University Exploration of small molecule-RNA pairs that bind through complementary hydrogen bonds	P107	<b>Ayano Tabira</b> Tokyo Institute of Technology Effects of single mismatch on RNase H-mediated cleavage
P091	<b>Kaifeng Zhao</b> McGill University Determining Spatial Distribution of DNA Secondary Structures in Living Cells	P106	Aina Fujiwara Chiba Institute of Technology Interaction between a small molecule, ANP77, and double stranded DNAs with the T/CC and C/CC internal loops

## Day 3: Sep. 5 (Thu) 12:20 - 13:40

**\*** Please see abstract for co-author information.

#### Odd number 12:20-13:00 Even number 13:00-13:40

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Shigeyoshi Matsumura University of Toyama Experimental evolution of a trans RNA - cleaving ribozyme using droplet screening integrated devices	P
Luigi A. Agrofoglio University of Orleans Innovative Lyotropic Liquid Crystalline Emulsions of LAVR-289, a Highly Lipophilic Antiviral: Internal Mesophase Impact on the Biological Activity	P
<b>Yudai Yamaoki</b> Kyoto University In-cell NMR study on structure, dynamics, and ligand interactions of nucleic acids in living human cells	P
Yuichiro Aiba Nagoya University Parallel-stranded peptide nucleic acids for specific recognition of double-stranded DNA and their structural analysis	P
<b>Hiroshi Abe</b> Nagoya University Chemistry-based mRNA design for efficient translation	P
Tatsuyuki YoshiiThe University of TokyoEngineering RNA and RNA-binding protein for mammalian synthetic biology tool	P
I-Ren Lee National Taiwan Normal University Slippage Dynamics of Trinucleotide Repeat Sequences Studied by Single-molecule FRET Spectroscopy	Р
<b>Eylon Yavin</b> Hebrew University of Jerusalem Challenges in the detection of BRAF V600E mutation using FIT-PNAs	Р
Amer Fadila Hebrew University of Jerusalem New Generation of FIT-PNAs: Cyclopentane backbone modifications of surrogate base for improved RNA sensing	P
<b>Masayuki Sakurai</b> Tokyo University of Science ICLAMP: a novel technique to explore adenosine deamination via inosine chemical labeling and affinity molecular purification	P
<b>Chaofan Zheng</b> Kyushu university Investigation of the effect of a small molecule in upregulating the expression of a microRNA cluster	Р
<b>Poonam Upadhyay</b> Indian Institute of Technology Bombay Error-free replication across N2- biphenyl-dG DNA Adducts by Human Translesion Synthesis Polymerase κ	Р
<b>Nina Allen</b> University of Bristol Fishing for G-quadruplexes with Photo-Crosslinking Probes	P
Fabienne Levi-AcobasPasteur InstituteExploring the capacity of Human polymerase q to produce chemically modified oligonucleotides	P
<b>Yan Badji</b> UPC Université Paris cité SELEX of modified aptamers to study the catalytic mechanism underlying peptidoglycan polymerization by transpeptidase	Р
	Experimental evolution of a trans RNA - cleaving ribozyme using droplet screening integrated devices Luigi A. Agrofoglio University of Orleans Innovative Lyotropic Liquid Crystalline Emulsions of LAVR-289, a Highly Lipophilic Antiviral: Internal Mesophase Impact on the Biological Activity Yudai Yamaoki Kyoto University In-cell NMR study on structure, dynamics, and ligand interactions of nucleic acids in living human cells Yuichiro Aiba Nagoya University Parallel-stranded peptide nucleic acids for specific recognition of double-stranded DNA and their structural analysis Hiroshi Abe Nagoya University Chemistry-based mRNA design for efficient translation Tatsuyuki Yoshii The University of Tokyo Engineering RNA and RNA-binding protein for mammalian synthetic biology tool I-Ren Lee National Taiwan Normal University Slippage Dynamics of Trinucleotide Repeat Sequences Studied by Single-molecule FRET Spectroscopy Eylon Yavin Hebrew University of Jerusalem Challenges in the detection of BRAF V600E mutation using FIT-PNAs: Mare Fadila Hebrew University of Jerusalem Challenges in the detection of BRAF V600E mutation using FIT-PNAs Massayuki Sakurai Tokyo University of Science ICLAMP: a novel technique to explore adenosine deamination via inosine chemical labeling and affinity molecular purification Chaofan Zheng Kyushu university Investigation of the effect of a small molecule in upregulating the expression of a microRNA cluster Poonam Upadhyay Indian Institute of Technology Bombay Error-free replication across N2- biphenyl-dG DNA Adducts by Human Translesion Synthesis Polymerase κ Nina Allen University of Bristol Fishing for G-quadruplexes with Photo-Crosslinking Probes Fabienne Levi-Acobas Pasteur Institute Exploring the capacity of Human polymerase to produce chemically modified oligonucleotides Yan Badji UPC Universite Paris cité SELEX of modified aptamers to study the catalytic mechanism underlying peptidoglycan polymerization by

	Even number 13:00-13:40
P136	Atanu Ghosh Indian Association for the Cultivation of Science A P(III) Platform for the Synthesis of Antisense Morpholino Oligonucleotides in an Automated DNA Synthesizer
P137	Hermann Neitz University Würzburg Photoreactive uridine analogs for nucleic acid crosslinking
P138	Albert Ferriol Monjo University of Southampton Targeting the IRES structure of mRNA for modulating gene translation
P139	<b>Enrico Cadoni</b> Ghent University Tetraplexed Nucleic Acid Structures as Templating Platform for Proximity-enhanced Photochemical Reactions
P140	Agnieszka Dziergowska Lodz University of Technology New approach to the site-specific modification of RNA fragments with f5U/ f5C
P141	<b>Zhen Xi</b> Nankai University Genome Therapy: A New Approach for Tumor Growth Inhibition
P142	Pauline PfeifferChalmers University of TechnologyEnlightening RNA biology - Insights from FluorescentNucleobase Analogues
P143	<b>Svenja Hehn</b> Universität Konstanz Engineering DNA-dependent RNA Polymerases Towards the Acceptance of Modified Nucleotides
P144	<b>Sahra Tajdar</b> University of Hamburg Synthesis and Optimization of potential Inhibitors that target the ADPR-binding Macrodomain Mac1 of SARS-CoV-2
P145	<b>Kristen Campbell</b> University of California - Davis Improving efficiency of ADAR-mediated RNA editing via guide strand modifications probing dsRBD-RNA interactions
P146	Yuhei Takahashi Tokyo University of Science Solution-Phase and Convergent Synthesis of Boranophosphate DNAs by an H-boranophosphonate Method
P147	<b>Ryuichi Inutake</b> Tokyo University of Science Stereocontrolled synthesis of phosphorodiamidate morpholino oligomer
P148	<b>Simone Rosinus</b> Saarland University Lipophilically functionalized analogs of muraymycin nucleoside antibiotics
P149	Tyler J. RutherfordConcordia UniversitySynthesis and Characterization of DNA Tetrahedra ContainingO6- Alkylene 2'-Deoxyguanosine Cross-Links for ControlledDisassembly Triggered by a DNA Repair Protein
P150	<b>Erika Schaudy</b> University of Vienna dNTPs with photosensitive protecting group: Towards light-directed enzymatic oligonucleotide synthesis

P151	<b>Hisae Tateishi-Karimata</b> Konan University Quantify specific interactions determining G-quadruplex function during cancer progression using a pseudo-cellular system	P166	Felix Marschall Saarland University   Small Molecule-Oligonucleotide Conjugates with   Therapeutic Potential Against Breast Cancer
P152	<b>Takehiko Wada</b> Tohoku University Construction of Chimeric Artificial Nucleic Acids (CANA) for the treatment of pancreatic cancer by inhibition of the transcription factor BACH1 IV: Establishment of a molecular design strategy based on in vitro and in vivo analysis	P167	<b>Qingwen Chen</b> SANKEN, Osaka Univ. Artificial intelligence leading to a cost-effective screening of small molecules targeting nucleic acids
P153	<b>Kiyoshi Kakuta</b> Tokyo University of Science Solid-Phase Synthesis of Oligodeoxynucleotides Using Nucleobase N-Unprotected Oxazaphospholidine Derivatives Bearing a Long Alkyl Chain	P168	Clemens Eichler University of Innsbruck Advances in RNA labeling with trifluoromethyl groups
P154	<b>Ettore Napolitano</b> University of Naples Federico II Discovery and optimization of anti-HMGB1 G-quadruplex-forming aptamers as potential anticancer therapeutics	P169	<b>Anna Rázková</b> University of Innsbruck Synthesis and properties of xanthosine containing RNA
P155	<b>Aya Koshizuka</b> Sophia University How does the number of bases in loops of G-rich repeats affect the formation of G-quadruplexes and their stability?	P170	Przemyslaw Wanat University of Innsbruck Toward fluorophores for photocross-linking to fluorescent light - up aptamers
P156	Surachada Chuaychob Kyoto University Extracellular Mimicking of CUG Repeat RNA and MBNL1 Aggregate	P171	<b>Seojung Cho</b> The University of Tokyo A novel strategy to improve in vivo behavior of DNA aptamers based on the modification with immune-evading polymers
P157	<b>Peng Lin</b> Kyoto University Design of DNA-based artificial compartments for implementing metabolic pathways	P172	Tomotaka KumagaiKyoto UniversityEvaluation of Enzymatic Incorporation with Fluorescent Thymidine Nucleotide Analogues
P158	<b>Shu Ohno</b> Osaka University Application of dynamical FMO calculation to small molecule drug discovery targeting bulged RNA	<b>P17</b> 3	Yukiko Kamiya Kobe Pharmaceutical University Design of anti-miR-21 oligonucleotide composed of SNA and artificial nucleobases
P159	<b>Santra Santhosh</b> Leibniz Institute for Food Systems Biology at TUM Freising, Germany Optimizing Sequence Fidelity in DNA Microarray Synthesis Through Depurination Reduction Strategies	P174	Shuhei Miyakawa Osaka University Investigation of the dynamic interactions between SARS-CoV-2 RNA-dependent RNA polymerase and Remdesivir through fragment molecular orbital calculations
P160	Ilaria Frasson University of Padova The Dynamic Interplay of G-quadruplexes and i-Motifs in HSV-1 Promoter Regulation in infected cells	<b>P17</b> 5	Yaoyao DU Tokyo institute of technology Removing barriers in the photooxidation of DNA by biphenyl photosensitizer-PNA conjugates
P161	<b>Tomoki Yoshimura</b> Osaka University Novel synthetic route for 1' -C,3' -O-propylene-bridged altritol nucleic acid phosphoramidites bearing adenine nucleobase	P176	Yurina Shimada Gifu University Development of DDS-free All-PS modified siRNAs with cholesterol molecules
P162	Hidenori Okamura Tohoku University N <sup>6</sup> -guest modified adenosines enable reversible control of gene expression via host-guest interaction	P177	Attila Palágyi IOCB Prague Enzymatic Synthesis of Hypermodified DNA with Expanded Genetic Alphabet
P163	<b>Masahito Inagaki</b> Nagoya University Cap analogs with a hydrophobic photocleavable tag enable facile purification of fully capped mRNA with various cap structure	P178	Odai Bsoul Bar-Ilan University N1 Hyantoinyl-ribose as a Novel Uridine Mime6c. Synthesis and Characteriza6on
P164	<b>Yujun Zhou</b> Gifu University Synthesis and antisense activity of LNA gapmers containing 4' -C-aminoetoxy-2' -O-methyl modified nucleoside analogs	P179	Anna Heib Saarland University Towards Lipophilic Prodrugs of Antisense Oligonucleotides
P165	Maryke Fehlau BioNukleo GmbH Efficient enzymatic synthesis routes for natural and modified nucleosides and nucleotides		

## Day 4: Sep. 6(Fri) 12:15 – 13:35

**\*** Please see abstract for co-author information.

#### Odd number 12:15-12:55 Even number 12:55-13:35

P180	Yuyuan Chen The University of Tokyo A pH-Responsive Nucleobase-Modified DNA Aptamer for Selective Inhibition of Cancer Migration
P181	Malgorzata Wasinska-Kalwa Centre of New Technologies University of Warsaw Cap-mediated translation of circular mRNA
P182	Marcin Warminski University of Warsaw Development of novel trinucleotide mRNA 5' end analogs for therapeutic applications and functional studies
P183	Attila TortorellaScuola Superiore MeridionaleUnraveling the physicochemical interplay betweenG-Quadruplex structures and model membranes
P184	<b>Concetta Giancola</b> University of Naples Federico II Physicochemical study of DNA G-quadruplex stability and energetics of interaction with protein and drugs
P185	<b>Yo Yano</b> PeptiStar Inc. Application of Continuous Chromatography Method to Oligonucleotide Purification
P186	Sharon Istvánffy Leibniz Institute for Food Systems Biology at the Technical University of Munich Large-scale photolithographic synthesis for dense information storage in DNA libraries generated from mixed base and trimer phosphoramidites
P187	Manisha Patel Institute of Chemical Technology   Sustainable Synthetic Strategies for Modification of   Nucleobases and Nucleoside analogs
	Takeshi YamadaTokyo Medical and Dental UniversityUp-regulating of circular RNA production using CLIP-ONoligonucleotide
P189	<b>Tony Yan</b> Brock University Re-examination of the detritylation reaction in the solid phase synthesis of oligonucleotides by the phosphoramidite chemistry
P190	<b>Otto Linden</b> University of Strathclyde Difluorinated nucleosides: expanding the functional repertoire of therapeutic oligonucleotides
P191	Arnab Das Indian Association for the Cultivation of Science Next Generation Phosphorodiamidate Morpholino Oligomers: Synthesis, Biophysical Properties and Intracellular Delivery
P192	Pierre P. M. Junghanns Saarland University Chemical Probes to Elucidate Cellular Interactions of Muraymycin Nucleoside Antibiotics
P193	Joseph S. Vyle Queen's University Belfast Synthesis and anticancer activity of selenium-substituted dinucleoside pyrophosphate analogues
P194	<b>Béatrice Roy</b> University of Montpellier Solvent-free mechanochemical strategies for the preparation of dinucleotides and analogues

P195	Grazyna Leszczynska Institute of Organic Chemistry, Lodz University of Technology New strategies of post-synthetic RNA modification as a convenient method for installation of troublesome modified groups				
P196	<b>Monta Nakamura</b> Tokyo university of science Stereoselective synthesis of nucleotide analog prodrugs (ProTides) by an oxazaphospholidine method				
P197	<b>Sarah Krukenberg</b> University of Hamburg Synthesis of different MASTER-NAADP derivatives of the Ca2+ mobilizing second messenger NAADP				
P198	Paul Theodore Ludford IIITrilink BiotechnologiesExploration, Modification, and Generation of NewCleanCap® analogues for mRNA Therapeutics				
P199	Marta Rachwalak Institute of Bioorganic Chemistry Polish Academy of Sciences   How much more can we get out of dimethoxytrityl chloride? New method for the synthesis of pyridiniumboranephosphonates and related compounds				
P200	<b>Robert H.E. Hudson</b> The University of Western Ontario Imidazolocytosine Derivatives: Synthesis, Photophysical Characterization and Evaluation of Complementary Base Binding				
P201	Daniela Verga Institut Curie Photoactivatable Warheads for Photoaffinity Labeling of G-quadruplex Structures				
P202	Tun-Cheng Chien National Taiwan Normal University   Total Synthesis of Pseudouridine				
P203	Natsuhisa OkaGifu UniversityOne-step synthesis of truncated carbocyclic nucleosides from sugarderived Julia–Kocienski sulfones				
P204	<b>Yoshiaki Kitamura</b> Gifu University Practical synthesis of N-azidomethyl nucleobases and their analogs by direct azidomethylation				
P205	<b>Yosuke Taniguchi</b> Okayama University Synthesis and functional evaluation of artificial nucleoside derivatives to form the base pair with 2-hydroxy-adenine				
P206	<b>Yasufumi Fuchi</b> Tokushima Bunri University Phenanthrene ring-fused 7-Oxabicyclo [2.2.1]heptane-2,3-diol derivatives as universal linkers for solid-phase oligonucleotide synthesis				
P207	Harumi Okutsu Tokyo University of Science Development of chemoselective condensation reaction of nucleoside 3' -H-phosphonothioate				
P208	<b>Yasuaki Kimura</b> Nagoya University Development of Chemically Modified mRNA based on Chemical Synthesis for Highly Efficacious mRNA Therapeutics				
P209	<b>Tomohiko Yamazaki</b> National Institute for Materials Science (NIMS) Enhancement of immunostimulatory function of CpG oligodeoxynucleotides by using the guanine quadruplex structure as a scaffold				

P210	<b>Soichiro Kimura</b> Nagasaki University Evaluation of photo-crosslinking properties of triplex-forming oligonucleotides and peptide nucleic acids conjugated to a methyl- substituted psoralen derivative	<b>P22</b> 5	Yusuke Kawamoto Kyoto University Multivalent Dendritic Oligonucleotides for Therapeutic Applications
P211	Yajun Wang Hangzhou Institute of Medicine, Chinese Academy of Sciences   ASO-Inspired DNAzyme 10-23 Variants for Enhanced Gene Silencing	P226	Shintaro InabaTokyo University of Agriculture and TechnologyDetection of CpG methylation focusing on structuralchange of G-quadruplex forming DNA oligonucleotideand its binding to myoglobin
P212	<b>Bruno Pagano</b> University of Naples Federico II Unlocking the potential of protein-derived peptides to target DNA G-quadruplexes: From recognition to anticancer activity	P227	Nanai Yoshida Tokyo institute of technology Development of a photoknockdown method using a small photosensitizer-conjugated antisense oligonucleotide
P213	<b>Dariusz Wawrzyniak</b> The Polish Academy of Sciences The biological assay of pyrimidine nucleoside dimers analogues with a short 1,2,3-triazole linker - the second part of research	P228	<b>Qin Ren</b> Osaka University Development of simple purification method of chemically synthesized oligonucleotides using highly lipophilic phosphoramidites as capping reagents
P214	<b>Yu Mikame</b> Nagasaki University Novel psoralen-conjugated triplex-forming oligonucleotide enables targeting of HTLV-1 provirus genome sequence in 5'-LTR region	P229	Cheng-Linn LeeYMC Cooperation, LTD.The development of continuous purification process for oligonucleotides purification and its potential benefits
P215	<b>Jumpei Ariyoshi</b> Kobe pharmaceutical University Acyclic Nucleic Acids Substitution Reduces Toxicity and Enhances Antisense Activity of Gapmer-ASOs	P230	Yuki Suzuki Mie University Self-limited assembly of shape-adjustable DNA origami plates into desired polygonal rings
P216	Yousuke Katsuda Kumamoto University In Vivo Manipulation of mRNA Using Staple Oligomers: Advancing Nucleic Acid-Based Therapies	P231	Kosuke Machida Tohoku University Development of Chimeric Artificial Nucleic Acids (CANA) Toward Pancreatic Cancer Therapeutics Targeting Vasohibin-2 II: Investigation of CANA-target RNA Complex Stability and Its Effect on Cleavage Efficiency.
P217	Nana Mihara Tokushima Univ. DNA chemical synthesis based on a phosphorofluoridate exchange reaction	P232	Sumit Shil Konan University Triplex nucleic acid induces liquid-liquid phase separation
P218	Vincent Roy Université d'Orléans Synthesis and biological evaluation of new high potent acyclic nucleoside phosphonate LAVR-289 against DNA viruses	P233	Yuki Igarashi Tohoku University Development of Chimeric Artificial Nucleic Acids (CANA) toward Pancreatic Cancer Therapeutics Targeting BACH1
P219	Anna L. Malinowska NATA Novel phosphoramidite linkers for the synthesis of oligonucleotide conjugates via thiol-ene click reaction	P234	Jakob Zwicker University of Constance Identification of AMPylation proteins
P220	<b>Emma K. Davison</b> Auckland University of Technology Practical and concise synthesis of nucleoside analogues	P235	Andrei P. Guzaev AM Chemicals LLC Deprotection of dGib nucleotide residues in synthetic oligonucleotides by aqueous ammonia and methylamine: a kinetic study
P221	<b>Risa Yamaguchi</b> Gifu University Preparation of thymidine 3'-phosphotriester derivatives for ynamide-mediated oligonucleotide synthesis	P236	Andrei P. Guzaev AM Chemicals LLC TRIDENT – a novel universal solid support for oligonucleotide synthesis
P222	Ramon EritjaIQAC-CSICBiophysical studies of antiparallel clamps for targeting polypyrimidine sequences through triplex formation	P237	Paul Caffrey NEB Bead Enabled Workflows for Oligonucleotide Analysis and Synthesis
P223	<b>Ilze Kumpina</b> SUNY Binghamton University Enhancing Stability in RNA2-PNA Triplexes Through Nucleobase Modifications	P238	Alva Abrahamsson Umeå University Selectively target individual G-quadruplex DNA structures using G4 - Ligand Oligonucleotides
P224	Ugnė Šinkevičiūtė IOCB Prague Novel 2,6-disubstituted 7-deazapurine ribonucleosides: synthesis and biological activities		

# Program at a Glance

0.00	Day 1 September, 3	<sup>Day</sup> 2 September, 4	<b>September</b> , 5	<sup>Day</sup> <b>September</b> , <b>6</b>
9:00	Registration, Coffee, Tea	9:00-9:30 <b>Session 5</b> Montgomery Award Lecture Eiko Ohtsuka 9:35-10:30 <b>Session 6</b> Malgorzata Honcharenko	9:00-9:45 Session 11 —TBD— 9:50-10:35 Session 12	9:00-10:25 <b>Session 14</b> Sara N. Richter Katrin Paeschke
	10:00-10:20 <b>Opening Remarks</b>	Suzanne Peyrottes Robert Britton	Tigran Chalikian Claudia Sissi	Kyeong Kyu Kim
11:00	Mano Manoharan	10:30-10:55 <b>Coffee, tea</b>	10:35-11:00 <b>Coffee, tea</b>	10:25-10:55 <b>Coffee, tea</b>
12:00	Satoshi Ichikawa 11:25-12:15 <b>Session 2</b> Imbach-Townsend Award Lecture Peter Nielsen	10:55-12:00 <b>Session 7</b> Serge Van Calenbergh Nicholas Chim Michal Hocek	11:00-12:15 <b>Session 13</b> Chun Kit Kwok Yan Xu Janez Plavec	10:55-12:10 <b>Session 15</b> Daniela Montesarchio Xiaogang Qu Mélanie Etheve-Quelquejeu
13:00	12:15-13:45 Lunch, Posters I	12:00-13:30 Lunch, Posters II	12:15-13:45 Lunch, Posters III	12:10-13:40 Lunch, Posters IV
14:00	13:45-15:30 Session 3 Rog	13:30-14:35 <b>Session 8</b> Roger Strömberg Dong Wang Michiko Kimoto		13:40-15:05 <b>Session 16</b> Anna M. Kietrys Yusuke Takezawa Takumi Okuda
15:00	James D. Thorpe Christian Ducho Kurt V. Gothelf	14:40-16:00 Coffee, tea Recruitment/ Discussion session		Jory Lietard
1/ 00	15:30-16:00 <b>Coffee, tea</b>		14:00-18:00 <b>Tour</b>	15:30-16:45 Session 17
16:00 17:00	16:00-17:30 <b>Session 4</b> ChemGenes Platinum Sponsor AM Chemicals Platinum Sponsor	16:00-17:05 <b>Session 9</b> Kazuo Nagasawa M. Carmen Galan Shigeori Takenaka		Chaoyong Yang Yohei Yokobayashi Damien Baigl
17.00	Marçal Pastor-Anglada Chandra Vargeese Vyacheslav V. Filichev			16:50-17:20 <b>Poster awards</b> Announcements, 17:20-17:45 presentation of next IRT
18:00	17:45-18:10 <b>Chu Awards</b>	Zlatko Janeba	40.00	and ISNAC 17:45 Closing Remarks
	19:30- <b>Welcome reception</b> at Asakusa view hotel		18:00- <b>Symposium Dinner</b> at Hotel Conrad Tokyo	