

Poster Clinic採択者★印

poster #	Title
P-01	Exploring biological significance of aminocarboxypropyluridine in bacterial and mammalian tRNAs
P-02	Structural insights into the function of tRNA anticodon modifications during decoding
P-03	Translational regulation mediated by desulfuration of tRNA modification under oxidative stress conditions
P-04	Regulation of gene expression by the phosphorylated CTD interacting factor PCIF1
P-05	Recognition of tRNA <sup>Ala</sup> (UAG) by IleRS from Lactic Acid Bacteria
P-06	Fully productive cell-free genetic code expansion by structure-based engineering of Methanomethylophilus alvus pyrrolysyl-tRNA synthetase
P-07	Characterization of Trypanosome Cap-dependent RNA Methyltransferase
P-08	Study of photochemical RNA C to U editing via ultrafast photo-cross-linking using 3-vinylcarbazole derivatives and Inosine
P-09	Escherichia coli tRNA (Gm18) methyltransferase (TrmH) recognizes the location of methylation site (G18) in the D-loop for the selection of substrate tRNA.
★P-10	Structural and biochemical study of C. elegans METT-10
P-11	The DYW deaminase domains of plant C-to-U RNA editing factors contribute target site selection
P-12	Restoration of mitochondrial function through activation of hypomodified tRNAs with pathogenic mutations associated with mitochondrial diseases
★P-13	Motif-MaP detects RNA higher-order structures by mutational profiling using target-binding small molecules
P-14	T-hairpin structure found in the RNA element involved in the piRNA biogenesis
P-15	Directional synthesis of GGGGCC super-repeats for the study of G-quadruplex RNA structures
P-16	Biophysical Study of HIV Rev arginine rich motif binding to RNA
P-17	Fluorophore-PNA-Quencher/Quencher-DNA probe for RNA detection
★P-18	Inhibition of LINE-1 retrotransposition by TDP-43 during embryogenesis
P-19	Spatiotemporal regulation of reproductive phasiRNAs in rice
P-20	Tpp, a novel nuage component, facilitates posterior localization of Aubergine during Drosophila oogenesis
P-21	A gene expression network of apoptosis regulated by TRBP-bound miRNAs during poly(I:C)-induced interferon response
P-22	Characterization of the DEAD-box RNA helicase Vasa in LLPS-mediated formation of nuage, which is the piRNA biogenesis center in ovarian germ cells
P-23	Identification of two functionally different domains in the seed region of 2'-OMe modified siRNA
P-24	Identification of human miRNA that directly target hepatitis B virus genomic RNA
P-25	Piwi-piRNA mediated silencing induces step-wise nuclear architectural changes
P-26	Functional Analysis of Human GW182 Family Proteins Using Their Knockout Cells
★P-27	Stimulus-dependent regulation of microRNA biogenesis by ADAR1
P-28	Functional analysis of novel factors affecting miRNA-induced translation repression
P-29	Cell-free reconstitution reveals the molecular mechanisms for the initiation of secondary siRNA biogenesis in plants
P-30	Lack of Y RNA-binding protein ROP-1 decreases most sbRNAs in C. elegans
P-31	Analyses of temperature-dependent recruitment mechanism of Cdc2-like kinase 1 to nuclear stress body
★P-32	The long noncoding RNA Neat1 regulates beige cell differentiation upon cold stimulation.
P-33	Characterization of ncRNAs of which the expression is induced with nuclear lobulation in HeLa cells
P-34	Molecular grammar of the SFPQ prion-like domain for the paraspeckle segregation from nuclear speckles
P-35	Identification of a long non-coding RNA associated with gastritis and gastric cancer
P-36	DLEU1 regulates interferon-related genes and relates to OSCC progression
P-37	Functional analysis of the lncRNA interacting protein CELF2 in regulating the sex-determining gene dsx1 in Daphnia magna
P-38	Analysis of CsrD, a RNase E specificity factor, in Escherichia coli and Csr system in Aeromonas salmonicida
P-39	Regulation of Chitin Degradation System by sRNA ChiX in Serratia plymuthica
P-40	Heterologous expression of the RNA chaperone Hfq from 9 bacterial species in Escherichia coli
P-41	Paraspeckles are constructed as block copolymer micelles
P-42	The nascent poly peptide in the 60S subunit determines the Rqc2-dependency of ribosomal quality control
P-43	The novel pathway of translation termination by RQC factor
P-44	K63-linked polyubiquitination of collided ribosomes is crucial for ribosomal subunit dissociation in mammalian RQC
P-45	Analysis of eIF3J Function in the Translation Regulation under ER Stress
P-46	Analysis of ribosome associated-target of rapamycin complex 1 (TORC1) in yeast
P-47	Mbf1 is required for stable di-some formation
P-48	An endonuclease Cue2 senses different states of the collided ribosome to induce two modes of No-Go Decay

P-49	Direct visualization of translational GTPase factor pool formed around the archaeal ribosomal P-stalk by high-speed AFM
P-50	A specific eIF4A paralog facilitates LARP1-mediated translation repression during mTORC1 inhibition
P-51	Suppression of the integrated stress response by sandfly fever Sicilian virus NSs protein
P-52	Multiple uORFs-mediated Translational Repression in the Arabidopsis Clock Gene LHY
P-53	The mechanism of cap-independent translation from VEGF mRNA
P-54	Functional interaction between the neuronal RNA-binding protein HuD and active Akt1
P-55	Reconstitution of yeast translation system using in vitro transcribed tRNAs
P-56	Translation without the initiator tRNA in hepatitis C virus RNA
P-57	Comparative sequence analysis for characterizing ribosome features of CPR (Candidate Phyla Radiation) bacteria.
P-58	Analysis of ribosome ubiquitination during zebrafish development
P-59	Analysis of translation regulation mechanisms by ARE-binding protein, AUF1
P-60	Pateamine A mediates selective translation repression by anchoring eIF4A and DDX3 to GNG motifs
P-61	Failure to Degrade CAT-Tailed Proteins Disrupts Neuronal Morphogenesis and Cell Survival
P-62	Poly(A) Length Control of Defense-related Transcripts by Arabidopsis Deadenylases, AtCCR4a/b
P-63	Pbp1, the yeast ortholog of human Ataxin-2, regulates the expressions of the genes involved in gluconeogenesis and mitochondrial function through transcription and mRNA stabilization
P-64	Genetic Analysis of Arabidopsis Deadenylase AtCCR4 Associated with Shoot Regeneration from Callus
P-65	A comprehensive molecular evolutionary analysis has revealed aspects of protein domain acquisition in eukaryotic Clp1 family proteins
P-66	Simple chemical synthesis of adenylated RNA, a substrate for template independent RNA ligation
P-67	Mechanism of ribosome-associated mRNA degradation by autophagy
P-68	Analysis of selection pressure acting on circRNA
P-69	Cellular Stress Can Reflect to Gene Expression Via Alternative Splicing Regulation in Arabidopsis
P-70	Comprehensive analysis with SpliceAI for deep-intronic variants disrupting normal splicing
P-71	Development of novel FISH using ultrafast RNA photo-cross-linking targeting the difficult-to-detect region of E. coli 16S rRNA
P-72	Development of novel translational regulation mediated by ligand-induced tRNA activation
P-73	The RNA transport-related factor NXF-2 forms a novel granular structure in C. elegans germ cells
P-74	Distinct RNA polymerase transcripts direct the assembly of phase-separated DBC1 nuclear bodies in different cell lines
P-75	Construction of Tough DNA Origami
P-76	Analysis of Cajal Body Formation Mechanism
P-77	Extraction of High Quality RNA from Non-Model Plants and Soil in Remote Areas using Portable Equipment
P-78	Comparative sequence analysis on HIV-1 Vpu reclassification of the protein sequences and the influences on regional and yearly factors
P-79	High-throughput screening of chemical inhibitors for SARS-CoV-2 RNA methyltransferase
P-80	Jonckheere–Terpstra–Kendall-based non-parametric analysis of temporal differential gene expression
P-81	Binding Patterns of RNA Binding Proteins To Repeat-Derived RNA Sequences Reveal Putative Functional RNA Elements
P-82	Searching for Repeat-derived Functional Elements in RNAs
★P-83	Programmable synthetic circular mRNA devices that can improve stability and gene expression persistence
P-84	Development of New Aptazymes Activated by Human AML1 Protein
P-85	Analysis of unknown functional RNAs emerging during in droplet ribozyme evolution
P-86	Expansion of square-shaped Tetrahymena ribozyme tetramers to their double-decker octamers through rational engineering of their modular RNA structures
P-87	Construction of a reporter gene containing two group I introns to analyze and regulate ribozyme-based alternative splicing
P-88	A screening system of group I ribozymes based on droplet $\mu$ -fluidic device: toward in vitro evolution of oligomeric ribozyme nanostructures
P-89	Functional analysis of a novel VS ribozyme variant obtained by experimental evolution
P-90	Biochemical analysis of the light-up RNA aptamer 17-3 to elucidate its active secondary structure