

<Oral Session>

oral #	session	Title
0-01	session1	Single molecule analysis and profiling of tRNAs by direct nanopore sequencing
0-02		The essential role of the m1G37 modification in tRNA aminoacylation revealed by experimental evolution
0-03		INVITED_Dr.Ya-Ming Hou: Loss of N1-Methylation of G37 in tRNA Induces Ribosome Stalling and Reprograms Gene Expression
0-04		Cooperative methylation of human tRNA ³ Lys at positions A58 and U54 drive the early and late steps of HIV-1 replication
0-05		Mechanism of the selective aminoacyl-tRNA acetylation by TaCT from Salmonella Typhimurium
0-06		tRNA Structure-seq provides accurate tRNA structures and reveals structural dynamics under heat stress
0-07	session2	INVITED_Dr.Eric Westhof: Translation Control in Betacoronaviruses: Sequence Signatures in the 5'UTR RNA and NSP1 Protein
0-08		INVITED_Dr.Haribabu Arthanari: A multi-pronged approach to target SARS-CoV-2 proteins using small molecules.
0-09		CNOT9, a component of the CCR4-NOT deadenylase complex, is a pivotal player in translation repression and deadenylation mediated by miRISC
0-10		Eukaryotic translation initiation factors 4B and 4H contribute differentially to translation stimulation.
0-11		Mechanism of translation initiation of leaderless mRNA in mammalian mitochondria
0-12		METTL18-mediated histidine methylation on ribosome protein modulates tyrosine translation for proteostasis maintenance
0-13	session3	Yeast tRNA ^{Leu} CAA modulates ribosome biogenesis and functions
0-14		INVITED_Dr.Javier Martinez: The oxidoreductase PYROXD1 utilizes NAD(P) ⁺ as an antioxidant to sustain tRNA ligase activity in pre-tRNA splicing and UPR.
0-15		Mechanistic analysis of specific tRNA cleavage by the CdiA-CT toxin from enterohemorrhagic Escherichia coli cells
0-16		Ribosome Collisions in E. coli Promote mRNA Cleavage Upstream of Stalled Ribosomes by the Endonuclease SmrB
0-17		The ribosome collision sensor Hel2 functions as preventive quality control in the secretory pathway
0-18		Sensing of Individual Stalled 80S Ribosomes by Fap1 for Non-functional rRNA Turnover
0-19	session4	INVITED_Dr.Phillip Zamore: The tiny, conserved zinc-finger protein GTSF1 helps PIWI proteins achieve their full catalytic potential
0-20		INVITED_Dr.Lin He: miRNAs and Retrotransposons, Non-coding Elements Play an Essential Role in Gene Regulation
0-21		INVITED_Dr.Nahum Sonenberg: The Role of the Cap-binding Protein, 4EHP/eIF4E2 in miRNA Suppression of mRNA Translation
0-22	session5	Structure of a Dicer-2-R2D2-siRNA complex
0-23		Functional specialization of monocot DCL3 and DCL5 proteins through the evolution of the PAZ domain
0-24		Novel tick RdRP-dependent small RNA pathways have roles in gene regulation
0-25		N6-methyladenosine (m6A) is an endogenous A3 adenosine receptor ligand
0-26		Withdrawal
0-27	session6	Improvement of intronic knock-in system by using NHEJ (non-homologous end joining) for in vivo characterization of RNA-binding proteins
0-28		PURE mRNA display for exploring RNA-binding protein sequence space
0-29		Transcriptional and translational landscape of the eukaryotic response to glucose starvation by Nanopore Direct RNA Sequencing
0-30	seminar	EMBO Reports Seminar by Dr.Bernd Pulverer: Transparent Publishing and Open Science - how to share reproducible data
0-31	session7	INVITED_Dr.Susan Gottesman: Multiple modes for Regulation of Bacterial Small RNAs
0-32		Attenuator of transcriptional termination involved in production of small regulatory RNAs in Escherichia coli
0-33		Expanding the regulon of the master regulator small RNA GcvB in E. coli
0-34		Synthetic antimicrobial RNAs kill multidrug-resistant bacteria
0-35	session8	Comprehensive Sequence Analysis Reveals Distinct Expansion Profiles of Group II Introns in Prokaryotes
0-36		INVITED_Dr.Douglas L.Black: Intron Retention and RNA Sequestration on Chromatin as a Developmental Regulatory Mechanism
0-37		The exon junction complex (EJC) core represses cancer-specific mature mRNA re-splicing: Playing a key role in terminating splicing
0-38		Therapeutic manipulation of IKBKAP mis-splicing with a small molecule to cure familial dysautonomia
0-39	session9	Rbfox2 Mediates Exon 11 Inclusion In Insulin Receptor Pre-mRNA Splicing In Hepatoma Cells
0-40		INVITED_Dr. Peter Unrau: A Clamping RNA Polymerase Ribozyme with DNA dependent RNA polymerase attributes: Promoter Recognition and Processivity
0-41		INVITED_Dr.Norikazu Ichihashi: Long-term experimental evolution of an RNA-protein replication system toward the emergence of life
0-42	session10	INVITED_Dr.Kentaro Miyazaki: Genetic Interoperability and Promiscuity of Bacterial 16S rRNA: Proposal for a Random Patch Model
0-43		INVITED_Dr.Zoher Gueroui: Probing the role of RNA on the morphology of phase separated condensates
0-44		The novel molecular function of HSATIII lncRNAs in cytoplasm
0-45		Sense-overlapping lncRNA as a decoy of translational repressor protein for dimorphic gene expression
0-46		Decoding the Mechanistic Principles of Gene Regulation by Mitochondrial 3D Spatial Organization
0-47		Design of novel RNA hydrogel materials made of self-assembling RNA higher-order structures
0-48	session11	INVITED_Dr. Oded Rechavi: Transgenerational small RNA inheritance in C. elegans
0-49		A functional RNA structure in the influenza A virus ribonucleoprotein complex
0-50		Prediction of RNA-Protein Interactions Using a Nucleotide Language Model
0-51		Disruption of Z-RNA-binding of ADAR1 induces Aicardi-Goutières syndrome-like encephalopathy in mice
0-52		Negative feedback mechanism of PKC/MAPK signaling via stress granules
0-53		Manipulation of Regnase-1 mRNA stability by morpholino-based antisense oligonucleotides alleviates inflammatory responses in pulmonary and autoimmune diseases
0-54		Membrane permeable oligonucleotide (MPON) induce the exon skipping against pre-mRNA by the enhanced transfer of antisense DNA to nucleus
0-55	Truncated proteins which are produced by pre-mRNA translation protect our body from splicing abnormality	