
PROGRAM—RNA 2011

The 16th Annual Meeting of the RNA Society
The RNA Society of Japan 13th Annual Meeting
Kyoto, Japan
June 14 – 18, 2011

Tuesday, 14th of June

14:00	Registration	Entrance
17:00	Welcome Cocktail	Sakura
18:00	Dinner	Sakura
19:15 – 19:30	Welcome and Opening remarks	Main Hall
19:30 – 21:30	Opening Plenary Session <i>Jennifer Doudna</i> Dicing and Beyond: Regulatory RNA Function in Humans and Bacteria <i>Muthiah Manoharan</i> Making Drugs out of siRNAs <i>Mikiko Siomi</i> PiRNA Biogenesis in <i>Drosophila</i> Germline	Main Hall

Wednesday 15th of June

8:00	Registration	Entrance
9:00 - 12:30	Session 1: MicroRNAs and siRNAs (#1-8) <i>Plenary: Narry Kim</i> Processing of microRNA <i>Chair: Yukihide Tomari</i> microRNAs: mechanism and function	Main Hall
12:30 – 13:30	Sponsored Seminar <i>(Chair: Shinobu Kitamura) Ulus Atasoy (Abstract #137)</i> Using RIP-Chip (RNA immunoprecipitation applied to microarrays) to discover novel breast cancer and asthma target genes	Room A
12:30 – 14:00	Lunch	Room 510, 553, Sakura, Swan
12:30 – 14:00	Board of Directors Lunch	Room509
14:00 – 17:30	Concurrent Sessions Session 2: RNA in Disease and Therapeutics (#9-16) <i>Plenary: John Rossi</i> Dual function aptamer-siRNA conjugates as therapeutic agents <i>Chair: Tsuneaki Sakata</i> The prospect for RNA medicine from a Japanese pharmaceutical industry	Main Hall

	Session 3: Structures of RNA Protein Complexes (#17-26)	Room A
	<i>Plenary: Osamu Nureki (#17)</i>	
	Archaeal elongation factor acts as an omnipotent carrier GTPase in translational elongation, termination and mRNA surveillance	
	<i>Chair: Frédéric Allain (#18)</i>	
	Guanine recognitions by Lin28 zinc-binding domains and SR protein RRM5	
18:00-19:30	Concurrent Workshops	
	Workshop 1: Bioinformatic Tools (#27-34)	Main Hall
	<i>Chairs: Kiyoshi Asai and François Major</i>	
	Workshop 2: Novel Technologies (#35-42)	Room A
	<i>Chairs: Anita Hopper and Hiro Suga</i>	
19:30	Dinner	Room 509, 510, 553, Sakura, Swan
20:00	Junior Scientist Social	Main Hall
20:30	Poster Session 1 (#141-365)	Annex Hall
	Chemical and Synthetic Biology of RNA	141 – 150
	Emerging & High-throughput Techniques for RNA	151 – 158
	Therapeutic RNAs	159 – 173
	RNAs in Diseases	174 – 197
	RNA Catalysis and Riboswitches	198 – 212
	RNA structure and folding	213 – 235
	RNP Structure, Function and Biosynthesis	236 – 254
	Non-coding and Regulatory RNAs	255 – 316
	Riboregulation in Development	317 – 318
	3' end processing	319 – 338
	Interconnections Between Gene Expression Processes	339 – 349
	Mechanisms of RNA interference	350 – 365

Thursday 16th of June

8:30	Registration	Entrance
9:00 – 12:30	Session 4: Ribosomes and Translation (#43-50)	Main Hall
	<i>Plenary: Marina Rodnina</i>	
	The ribosome: enzyme and machine	
	<i>Chair: Rachel Green</i>	
	Quality control on the ribosome during translation	
12:30 – 13:30	Sponsored Seminar	Room A
	<i>(Chair: Yoshinari Ando) Anthony K.L. Leung (Abstract #138)</i>	
	MicroRNA-binding protein Argonaute binds to mRNAs without MicroRNAs in Mouse Embryonic Stem Cells	
12:30 – 14:00	Lunch	Room D, E
12:30 – 14:00	Mentor-Mentee Lunch	Room 509, 510, 553, Sakura, Swan

14:00 – 17:30	Concurrent Sessions Session 5: Functions of RNA Protein Complexes 1 (#51-58) <i>Plenary: Matthias Hentze</i> Regulatory RNA-binding proteins: from mechanistic reductionism to complete mRNA interactomes <i>Chair: Mutsuhito Ohno</i> Remodeling and disassembly of RNPs according to their fates	Main Hall
	Session 6: Catalytic RNAs and Riboswitches (#59-68) <i>Plenary: David Lilley (#59)</i> The Catalytic Mechanisms of Ribozymes <i>Chair: Pascale Legault (#60)</i> NMR studies reveal the importance of an S-turn motif at the active site of the <i>Neurospora</i> VS ribozyme	Room A
18:00 – 19:00	Sponsored Seminar <i>Carol A. Kreder (Abstract #139)</i> microRNA Target Identification and Validation	Main Hall
19:00 – 20:00	RNA Journal Reception & Dinner	Swan
19:30	Dinner	Room 509, 510, 553, Sakura
20:30 – 22:30	Poster Session 2 (#366-582) Ribosomes and Translation RNA and Epigenetics RNA Editing and Modification RNA Transport and Localization RNA Turnover RNA-Protein Interactions	Annex Hall 366 – 427 428 – 438 439 – 465 466 – 488 489 – 537 538 – 582

Friday 17th of June

8:30	Registration	Entrance
9:00 – 12:30	Session 7: Pre-mRNA Splicing (#69-76) <i>Plenary: Manny Ares</i> Pre-mRNA splicing: Dynamic RNA in the enzyme and the substrate <i>Chair: Christine Guthrie</i>	Main Hall
12:30 – 14:00	Lunch	Room 510, 553, Sakura, Swan
12:30 – 14:00	Meetings Committee Lunch	Room 509
12:30 – 14:00	Career Development Lunch	Room A
14:00 – 17:30	Concurrent Sessions Session 8: RNA Structure & Folding (#77-84) <i>Plenary: Anna-Marie Pyle</i> RNA folding and tertiary structure <i>Chair: Sarah Woodson</i> Cooperativity and accuracy in RNA folding	Main Hall

Session 9: Functions of RNA Protein Complexes 2 (#85-93) Room A

Plenary: Anne Ephrussi

Assembly and transport of *oskar* RNPs in the *Drosophila* oocyte

Chair: Keqiong Ye (#85)

Structure of Yeast H/ACA Protein Complex Provides Novel Insight into Substrate Turnover Mechanism of Pseudouridylation and Dyskeratosis Congenita Mutation

18:00 – 19:30	Concurrent Workshops	
	Workshop 3: High-throughput Techniques (#94-101)	Main Hall
	<i>Chairs: Alain Laederach and Pascale Romby</i>	
	Workshop 4: RNA Synthetic Biology (#102-109)	Room A
	<i>Chairs: Tan Inoue and Saba Valadkhan</i>	

19:30 Dinner Room 509, 510, 533, Sakura, Swan

20:30 – 22:30	Poster Session 3 (#583 - 810)	Annex Hall
	Small RNAs	583 – 628
	Splicing Mechanisms	629 – 651
	Splicing Regulation	652 – 696
	Translational Regulation	697 – 740
	tRNA, snoRNA, rRNA	741 – 741
	tRNA, snRNA, snoRNA, rRNA	742 – 775
	Viral RNAs	776 – 788
	Bioinformatics	789 – 810

Saturday 18th of June

8:30	Registration	Entrance
9:00 – 12:30	Session 10: mRNA Turnover (#110-118)	Main Hall
	<i>Plenary: Roy Parker</i>	
	Mechanisms and Regulation of Eukaryotic mRNA Degradation	
	<i>Chair: Toshifumi Inada (#110)</i>	
	Dual function of Dom34:Hbs1 complex in mRNA clearance coupled with translation arrest in yeast	
12:30 – 14:00	Lunch	Annex Hall
12:30 – 13:30	Sponsored Seminar	Room A
	<i>(Chair: Yoshi Nakamura) Larry Gold (Abstract #140)</i>	
	From Classic Aptamers to SOMAmers	
14:00 – 17:30	Concurrent Sessions	
	Session 11: Noncoding RNAs (#119-127)	Main Hall
	<i>Plenary: Jörg Vogel (#119)</i>	
	A panoramic view of bacterial small RNAs	
	<i>Chair: Renée Schroeder</i>	
	Using genomic SELEX to screen for regulatory RNA aptamers	

Session 12: Host-pathogen Interactions (#128-136)

Room A

Plenary: Olivier Voinnet

**Endogenous Prion Protein Binds Argonaute and Promotes Assembly
of MicroRNA Effector Complexes in human cells**

Chair: Masatoshi Hagiwara (#128)

**Visualization of Alternative Splicing with Multi-color Splicing Reporters
and Their Application for Screen of Trans-acting Factors and
Small Chemicals**

18:00 – 19:00	Awards Ceremony	Main Hall
19:30	Reception and Banquet	Prince Hotel: Prince Hall, Gold Room, Royal Room, Rose Room