Program

TUESDAY, JUNE 27, 2017

15:00–17:00	Registration			
17:10–17:15	Opening Remarks: Mikiko C. SIOMI			
17:15–18:05	Chairs: Miki	/ Lecture 1 Mikiko C. SIOMI Fetsuro HIROSE		
	genomes Gregory Jar	A-based innate immune system guards the integrity of germ cell 24 Mes HANNON Search UK, Cambridge Institute, UK)		
18:05–18:55		ecture 2 ko C. SIOMI uro HIROSE		
	Joan A. STE (Molecular E	ncoding RNAs: more surprises 26 EITZ Biophysics & Biochemistry, Yale U/ ghes Medical Institute, USA)		
18:55–20:30	Welcome Reception			
WEDNES	SDAY, JU	NE 28, 2017		
9:00–12:30	Session A Chairs: Mikiko C. SIOMI Jörg VOGEL			
	9:00-9:30	[A-1] Grad-seq discovers the third domain of small RNA-mediated gene regulation in bacteria		
	9:30-10:00	[A-2] The poly(A) tail blocks RDR6 from converting self transcripts into the substrates for gene silencing		

	10:00–10:30 [A-3] MicroRNA Processing and Regulation		
	10:30-11:00 Coffee Break		
	11:00–11:30 [A-4] Molecular mechanism of piRNA biogenesis		
	11:30–12:00 [A-5] Transcription biology of heterochromatic small RNA source loci		
	(Institute of Molecular Biotechnology of the Austrian Academy of Sciences (IMBA), Austria)		
	12:00–12:30 [A-6] Roles of PIWI-piRNA complexes in mammalian ovaries Haruhiko SIOMI (Department of Molecular Biology, Keio University School of Medicine, Japan)		
12:30–14:00	Lunch		
14:00–17:15	Session B Chairs: Takehiko KOBAYASHI Andrés AGUILERA		
	14:00–14:30 [B-1] Stimuli-specific activation of chromosomal sites by non-coding RNA transcription		
	14:30–15:00 [B-2] Functional and genomic evolution after duplication42 Hideki INNAN (SOKENDAI, The Graduate University for Advanced Studies, Japan)		
	15:00–15:30 [B-3] RNA processing-chromatin crosstalk to warrant optimal RNA biogenesis and prevent genetic instability Andrés AGUILERA (CABIMER, University of Seville, Spain)		
	15:30-16:00 Coffee Break		

	16:00–16:30	Non-coding transcription induces rDNA instability and cellular senescence 46 Takehiko KOBAYASHI (Institute of Molecular and Cellular Biosciences, The University of Tokyo, Japan)	
	16:30–17:00	Splicing-associated pausing of RNA polymerase II is enforced by ubiquitination of the catalytic subunit	
	17:00–17:15	Heterochromatin suppresses gross chromosome rearrangements through RNAP II eviction in fission yeast centromeres129 Takuro NAKAGAWA (Department of Biological Sciences, Graduate School of Science, Osaka University, Japan)	
17:30–19:30	Dinner		
19:30–21:30	Poster Se	ssion [I]: Odd Numbers	
THURSD	AY, JUNE	E 29, 2017	
9:00-12:15	Session C Chairs: Tetsuro HIROSE Howard Y. CHANG		
	9:00-9:30	[C-1] Genome Regulation by Long Noncoding RNAs52 Howard Y. CHANG (Stanford University School of Medicine, USA)	
	9:30-10:00	[C-2] Eleanor non-coding RNA defines the active chromatin domain during breast cancer recurrence	
	10:00–10:15	[C-3 (PS NO.50)] An atlas and functional evidence of human long non-coding RNAs with accurate 5'ends	

10:15-10:45 Coffee Break

	10:45–11:15 [C-4] Sorting RNA for function or decay		
	11:15–11:45 [C-5] Molecular dissection of architectural noncoding RNA elements and machinery		
	11:45–12:15 [C-6] Observation of sub-micron size nuclear bodies using super- resolution microscopy		
12:30–14:00	Lunch		
14:00–17:15	Session D Chairs: Hiroshi ASAHARA Juan A. VALCARCEL		
	14:00–14:30 [D-1] tRNA-related RNA technologies		
	14:30–15:00 [D-2] Networks of alternative splicing regulation in cancer Juan VALCÁRCEL (Centre de Regulació Genòmica (CRG)/ Universitat Pompeu Fabra (UPF)/ ICREA, Spain.)		
	15:00–15:30 [D-3] The role of RNA editing in T cell development Yukio KAWAHARA (Department of RNA Biology and Neuroscience, Graduate School of Medicine, Osaka University, Japan)		
	15:30-16:00 Coffee Break		
	16:00–16:15 [D-4 (PS NO.58)] Identification of hormone-dependent IncRNAs that mediate estrogen signaling pathway in breast cancer Kazuhiro IKEDA (Division of Gene Regulation and Signal Transduction, Research Center for Genomic Medicine, Saitama Medical University, Japan)		
	16:15–16:45 [D-5] miRNAs in Cancer, Arthritis and Homeostasis Hiroshi ASAHARA (Tokyo Medical and Dental University, Japan)		

		distribution of "First Tier" Enhancers Generate Mega-Enhancers that Associate with Subnuclear Phase-separated Structures to Dictate Enhancer Robustness
17:30–19:30	Dinner	
19:30–21:30	Poster Se	ssion [II]: Even Numbers
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9:00–12:15	Session E Chairs: Hiro Gen	
	9:00-9:30	[E-1] RNA circuits with small molecule induction from self-replicating RNA alphaviruses and modified RNA
	9:30-10:00	[E-2] Synthetic RNA switch technologies to distinguish and program living cells
	10:00-10:30	Expanding world of RNA modifications associated with various biological processes
	10:30–11:00	Coffee Break
	11:00–11:15	[E-4 (PS NO.3)] Potent, reversible and specific chemical inhibitors of eukaryotic ribosome biogenesis 91 Shigehiro A. KAWASHIMA (Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan/The Rockefeller University, USA)
	11:15–11:45	[E-5] Insights into RNA processing from large-scale generation and analysis of enhanced CLIP data 80 Gene YEO (University of California, San Diego, USA)

16:45–17:15 [D-6]
Chromosomal Enhancer Nuclear Syntax: Ligand-Dependent 3D Re-

11:45-12:15 [E-6]

A possible link between specific transfer RNA methylation and tumorigenic phenotype of breast cancer84 Kozo TOMITA

(Department of Computational Biology and Medical Sciences, Graduate School of Frontier Sciences, The University of Tokyo, Japan)

12:15-12:25 Announcement of Grant Recipients

12:25–12:35 Closing Remarks: Takehiko KOBAYASHI

12:35-13:00 Lunch