

November 23 (Wed)		November 24 (Thu)		November 25 (Fri)	
9:00	Opening remarks: Atsuo Ogura				
	01_Multiple histone-interaction regulates DNMT3A mediating DNA methylation and imprinting in mouse oocytes Hiroyuki Sasaki (20min) Kyushu University Japan	Chaired by Atsuo Ogura	13_Mechanisms regulating PM-hybrid dysgenesis and piRNAs function in Drosophila germline Satoru Kobayashi (20min) University of Tsukuba, Japan	Chaired by Satoru Kobayashi	26_Parental contribution to the post-fertilization processes Helena Fulka (20min) Institute of Experimental Medicine of the Czech Academy of Sciences, Czech Republic
	02_Nucleosome organization in the early mouse embryos Takashi Ishiuchi (20min) University of Yamanashi, Japan	Takashi Ishiuchi	14_Biochemical dissection of nuclear reprogramming on somatic cell nuclear transfer Keishi Shintomi (20min) RIKEN, Japan	Mami Okikawa	27_Establishment of in vitro spermatogenesis with high integrity Takehiko Ogawa (20min) Yokohama City University, Japan
10:00	03_Chromatin-guided DNA methylation: Insights from the mouse germline & early embryo Matthew Lorincz (30min) University of British Columbia, Canada		15_Germ cell transplantation in fish: Production of bluefin tuna sperm using small surrogates Goro Yoshizaki (20min) Tokyo University of Marine Science and Technology, Japan		28_Super long-term visualization of the spermatogenic cycle and wave Shosei Yoshida (20min) National Institute for Basic Biology, Japan
	Break 20min		16_A non-ribosomal peptide triggers planarian sexual development Phil Newmark (30min) University of Wisconsin-Madison, USA		29_Function of Junk: satellite DNA and parasites in germline immortality Yukiko Yamashita (30min) Massachusetts Institute of Technology, USA
	04_Involvement of histone variants H3.1/3.2 in the progression of gene expression program in early mouse embryos Fugaku Aoki (20min) The University of Tokyo, Japan	Chaired by Haruhiko Siomi	17_Genomic imprinting mediated by maternal Polycomb repressive complexes Azusa Inoue (20min) RIKEN, Japan	Chaired by Azusa Inoue	30_Dynamic expression of nucleoskeleton proteins regulates mouse preimplantation development Kei Miyamoto (20min) Kindai University, Japan
11:00	05_Normal development in mouse early preimplantation embryos requires transcription of endogenous retrovirus MERVL Haruhiko Siomi (20min) Keio University, Japan	Tokuko Iwamori	18_Critical role of genomic imprinting in human placental development Hiroaki Okae (20min) Tohoku University, Japan	Hiroaki Okae	31_Understanding and reconstitution of germline development in non-mouse animal models Toshihiro Kobayashi (20min) The University of Tokyo, Japan
	06_Retrotransposons: Selfish friends in mammalian preimplantation development Lin He (30min) University of California at Berkeley, USA		19_Epigenetic mechanisms of cellular plasticity and reprogramming to totipotency Maria-Elena Torres-Padilla (30min) Institute of Epigenetics & Stem Cells, Germany		32_Cell cycle changes and epigenetic reprogramming during pig primordial germ cell specification Ramiro Alberio (30min) University of Nottingham, UK
12:00	Lunch Break 60min		Lunch Break 60min		Lunch Break 60min
13:00	07_Reconstitution and understanding of gametogenesis using pluripotent stem cells Katsuhiko Hayashi (20min) Osaka University, Japan	Chaired by Yayoi Obata	20_Toward understanding early mammoset development Erika Sasaki (20min) Central Institute for Experimental Animal, Japan	Chaired by Erika Sasaki	33_Lightning Talks by selected young investigators 33a_Yuki Noguchi (10min) Kyoto University 33b_Aya Uchida (10min) The University of Tokyo 33c_Ayaka Yanagida (10min) The University of Tokyo
	08_Restoring oogenesis in congenital infertile female mice using an in vitro culture system Yayoi Obata (20min) Tokyo University of Agriculture, Japan	Satoshi Tsukamoto	21_How somatic cell nuclear transfer helps us probe the placental epigenome Atsuo Ogura (20min) RIKEN, Japan	Kei Miyamoto	34_Quantitative single-cell RNA-sequencing for tissue sections with DRaQ; an efficient RNA recovery and cDNA amplification method for laser capture microdissection Kazuki Kurimoto (20min) Nara Medical University, Japan
	09_Mechanisms through which oocytes evade ageing: Oocytes maintain ROS-free mitochondria Elvan Böke (30min) The Barcelona Institute of Science and Technology, Spain		22_Epigenetic regulation of preimplantation embryo development Shaorong Gao (30min) Tongji University, China		35_Decoding transcription regulation during mammalian zygotic genome activation in early embryos Wei Xie (30min) Tsinghua University, China
14:00	Break 20min		Break 20min		Break 20min
	Poster Session (Odd, 60min)		Poster Session (Even, 60min)		
15:00					
	10_Innate fluorescence predicts mitochondrial distribution dependent developmental fate of mouse oocytes Yutaka Yawata (20min) University of Tsukuba, Japan	Chaired by Yutaka Yawata	23_Testis-enriched genes and their functions for spermatogenesis and fertilization Masahito Ikawa (20min) Osaka University, Japan	Chaired by Takehiko Ogawa	36_Epigenetic and metabolic controls in germ cell development Yasuhisa Matsui (20min) Tohoku University, Japan
	11_Recurrent neural network approach for predicting DNA methylation inheritance of CpG islands using embedding vectors of variable-length k-mers Osamu Maruyama (20min) Kyushu University, Japan	Kuniaki Saito	24_Allogeneic offspring produced by induction of PD-L1 in spermatogonial stem cells Takashi Shinohara (20min) Kyoto University, Japan	Shinichi Tomizawa	37_Probing chromosome-type-specific dynamics in live oocytes Tomoya Kitajima (20min) RIKEN, Japan
16:00	12_piRNA-directed DNA methylation during mammalian germline development Donal O'Carroll (30min) University of Edinburgh, UK		25_Investigating the contribution of LTRs to the control of non-canonical imprinting Gavin Kelsey (30min) The Babraham Institute, Cambridge, UK		38_Zygotic genome activation by the totipotency pioneer factor Kikue Tachibana (20min) Max Planck Institute of Biochemistry, Germany
	Break 20min		Break 20min		39_Mechanism and in vitro reconstitution of mammalian germ-cell development Mitunori Saitou (30min) Kyoto University, Japan
	PL1_Genomic imprinting, totipotency and mammalian evolution Azim Surani (40min) University of Cambridge, UK	Chaired by Hiroyuki Sasaki	PL2_Functional Genomics and DNA-Encoded Chemistry Technology (DEC-Tec) for the Development of Novel Therapeutics Martin Matzuk (40min) Baylor College of Medicine, USA	Chaired by Masahito Ikawa	Closing remarks: Katsuhiko Hayashi