

## Poster Presentation

### P01

**“Mutation in a Nucleoporin, *Tmem48*, gene Causes Morphological Abnormalities of Nuclear Envelope in Germ Cell of Mouse”**

Kouyou Akiyama (Okayama Univ., Japan)

### P02/STII-4

**“A Transient Niche for the Germline Stem Cell Precursors in *Drosophila* Ovary”**

Miho Asaoka (NIG, Japan)

### P03/STIII-4

**“Low Temperature-induced Circulating T<sub>3</sub> Activates Metamorphic Genes and Accelerates Seasonal Testicular Regression”**

Yusuke Atsumi (Nagoya Univ., Japan)

### P04

**“Intrinsic Competence in Germ Cells and Extrinsic Retinoic Acid Coordinate the Cycle of Spermatogenesis in Adult Male Mice”**

Tsutomu Endo (Whitehead Institute, USA)

### P05

**“Generation of Sperm Stem Cells from Multipotent Stem Cells in *Hydra*”**

Chiemi Fujisawa (NIBB, Japan)

### P06/STII-5

**“t-SNARE Syntaxin2 is Required for Transportation of Glycolipids and Stable Formation of Intercellular Bridges during Spermatogenesis”**

Yasuhiro Fujiwara (Okayama Univ., Japan)

### P07

**“Regulation of Germline Quiescence by Nutrients in *C. elegans*”**

Masamitsu Fukuyama (Univ. of Tokyo, Japan)

### P08

**“Pgc Protects Germ Plasm RNAs from MicroRNA-Mediated Degradation in *Drosophila* Primordial Germ Cells”**

Kazuko Hanyu-Nakamura (RIKEN CDB, Japan)

### P09

**“Identification of Stem Cell Function and Dynamics of GFR $\alpha$ 1-expressing Undifferentiated Spermatogonia in Mouse Testis”**

Kenshiro Hara (NIBB, Japan)

### P10

**“The Duplicated, Y-Linked Anti-Müllerian Hormone Gene *amhy* Plays a Key Role in Patagonian Pejerrey *Odontesthes hatcheri* Sex Determination”**

Ricardo S. Hattori (TUMSAT, Japan)

**P11**

**“Enrichment of Spermatogonial Stem Cell by Using Side Population in Rainbow Trout”**

Makoto Hayashi (TUMSAT, Japan)

**P12**

**“Production of Fertile Gametes from Mouse Pluripotent Stem Cells”**

Katsuhiko Hayashi (Kyoto Univ., Japan)

**P13**

**“Role of Glycolysis in Primordial-Germ-Cell Development in *Drosophila* embryos”**

Yoshiki Hayashi (NIBB, Japan)

**P14**

**“Maternal Factor Mamo is Involved in the Regulation of Gene Expression in Pole Cells in *Drosophila*”**

Seiji Hira (Konan Univ., Japan)

**P15/STII-1**

**“*In Vitro* Propagation of Presumptive Germ Cells with Primordial Germ Cell Characteristics Derived from Mouse Induced Pluripotent Stem Cells”**

Masanori Imamura (Keio Univ., Japan)

**P16**

**“Identification of Authentic Nanos2 Targets in Fetal Male Germ Cells”**

Yuzuru Kato (NIG, Japan)

**P17**

**“Characterization of Mouse Male Germ Line Stem Cell Niche by Gene Expression Profiling Using Laser Capture Microdissection”**

Yu Kitadate (NIBB, Japan)

**P18**

**“Human Germ Cells Development during the First Trimester - X Chromosome Activity in Human Germ Cells -”**

Satoru Kobayakawa (NIBB, Japan)

**P19/STIII-1**

**“Propagation of Nile-tilapia Spermatogonial Stem Cells *In Vitro*”**

Samyra Lacerda (UFMG, Brazil)

**P20**

**“Glucose Phosphate Isomerase (GPI) is Important for Developing Chicken Primordial Germ Cells”**

Hyung Chul Lee (SNU, Korea)

**P21**

**“Molecular Characterization and Culture of Testicular Germ Cells in Common Marmoset *Callithrix Jacchus*”**

Zachary YC. Lin (Keio Univ., Japan)

**P22**

**“D-Amino Acid Oxidase is Involved in Sexual Induction in the Planarian *Dugesia ryukyuensis*”**

Takanobu Maezawa (Hirosaki Univ., Japan)

**P23**

**“Keeping a Balance of Stem Cell Precursors and Developing Gamete in the *Drosophila* Ovary”**

Shinya Matsuoka (NIG, Japan)

**P24**

**“Expression of p53-inducible Protein Phosphatase PPM1D in Human Embryonic Carcinoma Cell Line, NCCIT”**

Takahiro Michiba (Hokkaido Univ., Japan)

**P25**

**“The Trimethylation of H3K36 Histone Modification-mediated Transcriptional Regulation Promotes Germ Cell Differentiation during *Drosophila* Early Oogenesis”**

Masanori Mukai (Konan Univ., Japan)

**P26/STII-2**

**“Acquisition of Pluripotency from Primordial Germ Cells”**

Go Nagamatsu (Keio Univ., Japan)

**P27**

**“Study of FGFR-related Genes in Sexual Induction of the Planarian *Dugesia ryukyuensis*: Fissiparous Capacity and Formation of Reproductive Organs”**

Haruka Nakagawa (Hirosaki Univ., Japan)

**P28**

**“Molecular Characterization of Human Germ Cell and a Trial toward *In Vitro* Germ Cell Differentiation from Human iPSCs”**

Ryusuke Nakajima (Keio Univ., Japan)

**P29**

**“Germ-Cell Transplantation in Chicken and Its Application to Gene Banking”**

Yoshiaki Nakamura (NIBB, Japan)

**P30/STII-6**

**“Analysis of Epigenetic Changes Associating with Spermatogonial Stem Cell Differentiation”**

Kazuyuki Ohbo (Yokohama City Univ., Japan)

**P31**

**“The Efficient *piggyBac* Transposition into Primordial Germ Cells for Transgenesis in Chicken”**

Tae Sub Park (SNU, Korea)

**P32**

**“Retinoic Acid Activates Mitosis and Interferes Male Gonocyte Differentiation via *Stra8*-independent Pathway in the CYP26B1-null Mutant”**

Rie Saba (NIG, Japan)

**P33/STI-1**

**“Primordial Germ Cells Transmigrate from Blood Stream to Gonad in Avian Embryos: Novel Behavior Revealed by Live-imaging Analyses”**

Daisuke Saito (NAIST, Japan)

**P34/STIII-2**

**“Establishment of Long-term Culture Conditions for Zebrafish Spermatogonial Stem Cells”**

Noriyoshi Sakai (NIG, Japan)

**P35/STI-6**

**“Y Chromosomal Azoospermic Factor RBMY and Estrogen Signaling Coordinately Regulate Male-specific Alternative Splicing”**

Matomo Sakari (Univ. of Tokushima, Japan)

**P36/STII-3**

**“Nutrition-dependent Control of Ovarian Development by the Fat Body in *Drosophila*”**

Hiroko Sano (Kurume Univ., Japan)

**P37**

**“Mutation in *CPSF6* Causes Short 3'UTRs and Disturbs Gene Expression in Developing Embryos, as Revealed by an Analysis of a Chemokine Signaling in the Migration of Primordial Germ Cells Using the Medaka Mutant *naruto*”**

Takao Sasado (NIBB, Japan)

**P38**

**“Establishment of Resources to Elucidate Regulatory Network Governing Germline Gene Expression Using the *Bombyx mori* cell line BmN4-SID1”**

Masanao Sato (NIBB, Japan)

**P39/STIII-3**

**“LIF (Leukemia Inhibitory Factor) Promotes Spermatogonial Proliferation in Medaka (*Oryzias latipes*)”**

Ryuichi Satoh (Hokkaido Univ., Japan)

**P40/STI-2**

**“PRDM14 Promotes Active DNA Demethylation through the Base Excision Repair Pathway in Embryonic Stem Cells”**

Yoshiyuki Seki (Kwansei Gakuin Univ., Japan)

**P41/STI-5**

**“Effect of Fetal Leydig Cell-Specific Ad4BP/SF-1 Gene Disruption on Masculinization and Spermatogenesis”**

Yuichi Shima (Kyushu Univ., Japan)

**P42/STI-7**

**“The Germ Plasm-dependent and -independent Mechanisms for the Germ Cell Specification in the Ascidian, *C. intestinalis*”**

Maki Shirae-Kurabayashi (Hiroshima Univ., Japan)

**P43**

**“Identification of an Epigenetic Checkpoint that Controls the Differentiation from Spermatogonial Stem Cells to Progenitor Cells”**

Takayuki Shirakawa (YCU, Japan)

**P44**

**“CNP Receptor Gene (*Npr2*) is Involved in the Regulation of Blood-Testis Barrier and Spermatogenesis in Mouse”**

Chizuru Sogawa (NIRS, Japan)

**P45**

**“Cellular and Molecular Basis for Germline Specification in Colonial Ascidian, *Botryllus primigenus*”**

Takeshi Sunanaga (Kochi Univ., Japan)

**P46/STI-3**

**“NANOS2-mediated RNA Regulation in the Differentiation of Mouse Male Gonocytes”**

Atsushi Suzuki (YNU, Japan)

**P47/STI-4**

**“Independent Evolution of Sex Chromosomes through Recurrent Use of *Sox3* in a Medaka Fish and Mammals”**

Yusuke Takehana (NIBB, Japan)

**P48**

**“Dynamics of GFR $\alpha$ 1-positive Spermatogonia at the Early Stages of Colonization in the Recipient Testes of *W/W<sup>v</sup>* Male Mice”**

Naoki Tsunekawa (Univ. of Tokyo, Japan)

**P49**

**“Nodal/Activin Promotes Sex Differentiation of Male Germ Cells through MAPK P38 Signaling Pathway”**

Quan Wu (SOKENDAI, Japan)

**P50**

**“PRDM14 Controls Sensitivity to Extrinsic Signals and Ensures Naïve Epigenome in Mouse Embryonic Stem Cells”**

Masashi Yamaji (Kyoto Univ., Japan)

**P51**

**“Effect of Neuregulin1 and Retinoic Acid on the Proliferation and Differentiation of Spermatogonia in Mouse Testis”**

Jidong Zhang (Kumamoto Univ., Japan)