

SRD-NIAS The 2nd Japan-Czech Joint Symposium “Understanding the Germ Cell Potential”

Location: The University of Tokyo, Yayoi Auditorium/Ichijo Hall

Date & time: September 10 (Mon), 2012; 9:30–16:30

Program

President & Opening Remarks	9:30–10:00
Hiroshi SHINBO (Vice-President of National Institute of Agrobiological Sciences, JP) Josef FULKA JR. (Department of Biology of Reproduction, Institute of Animal Science, CZ)	
Session 1. Meiosis	10:00–11:00
Chair: Takashi MIYANO and Sugako OGUSHI	
JC-1	Petr SOLC (Institute of Animal Physiology and Genetics, The Czech Academy of Sciences, CZ) Polo-like Kinase I Controls Nuclear Envelope Break Down and Chromosome Dynamics in Meiosis I
JC-2	Tomoya KITAJIMA (Laboratory for Chromosome Segregation, Center for Developmental Biology, RIKEN, JP) Meiotic Chromosome Dynamics in Mammalian Oocytes
Session 2. Maternal to Zygotic Reprogramming	11:20–12:20
Chair: Petr SOLC and Noboru MANABE	
JC-3	Tereza TORALOVA (Institute of Animal Physiology and Genetics, The Czech Academy of Sciences, CZ) The Expression of Nucleophosmin in Bovine Embryos Before and After Embryonic Genome Activation
JC-4	Sugako OGUSHI (The Hakubi Center for Advanced Research, Kyoto University, JP) Maternal Nucleolus Governs the Higher Chromatin Organization After Fertilization
Session 3. Reprogramming to ES/iPS Cells 1	13:30–14:30
Chair: Jan MOTLIK , Kazuhiro KIKUCHI and Takashi NAGAI	
JC-4	Helena FULKA (Department of Biology of Reproduction, Institute of Animal Science, CZ) Production of Mouse Embryonic Stem Cell Lines from Maturing Oocytes by Direct Conversion of Meiosis into Mitosis
JC-4	Tadashi FURUSAWA (Division of Animal Sciences, National Institute of Agrobiological Sciences, JP) Heterogeneity of Embryonic Stem Cells and Its Application to Generation of Transgenic Animals

Session 3. Reprogramming to ES/iPS Cells 2

14:50–15:50

Chair: **Helena FULKA** and **Katsuhiko HAYASHI**

JC-7 **Arata HONDA** (Organization for Promotion of Tenure Track, University of Miyazaki, JP) Development of ES/iPS Cell Research Using Rabbits

JC-8 **Jan MOTLIK** (Institute of Animal Physiology and Genetics, The Czech Academy of Sciences, CZ) Induced Pluripotent Stem Cells Derived from the Minipig Neural Stem Cells

Session 4. From ES to Germ Cells

15:50–16:20

(Chair: **Josef FULKA** and **Koji SUGIURA**)

JC-9 **Katsuhiko HAYASHI** (Graduate School of Medicine, Kyoto University, JP) Production of Fertile Gametes from Mouse Pluripotent Stem Cells

Closing Remarks

16:20–16:30

Kei-ichiro MAEDA (President of the Society for Reproduction and Development, JP)