

International Symposium on
Epigenome Dynamics and Regulation in Germ Cells
February 17-19, 2016 at Kyoto University

Feb. 17 (Wednesday)

- 9:50-10:00 Opening remarks
- 10:00-11:35 **Session 1: Cloned Animals**
Chair: Toshinobu Nakamura
- 10:00-10:25 **Atsuo Ogura:** Epigenetic dynamics in embryos during the periimplantation period: comparison of fertilization-derived and SCNT-derived embryos
- 10:25-10:50 **Kei Miyamoto:** Reprogramming of somatic nuclei towards totipotency is greatly facilitated by small molecules through epigenetic alterations
- 10:50-11:15 **Shoukhrat Mitalipov:** Cytoplasmic control of nuclear identity
- 11:15-11:35 Coffee break
- 11:35-12:20 **Plenary lecture** (Chair: Hiroyuki Sasaki)
Azim Surani: An investigation into the human germline
- 12:20-13:40 Lunch
- 13:40-14:40 Poster session 1: Odd number posters
- 14:40-16:15 **Session 2: Male germ cells**
Chair: Kuniaki Saito
- 14:40-15:05 **Takashi Shinohara:** Nonrandom germline transmission of mouse spermatogonial stem cells
- 15:05-15:30 **Monika Ward:** The role of Y chromosome in directing spermatogenesis
- 15:30-15:55 **Dónal O’Carroll:** Identification of the spermatogonial stem cell population crucial for the regenerative capacity of the testis
- 15:55-16:15 Coffee break
- 16:15-17:30 **Session 3: Primordial germ cells**
Chair: Shinichiro Chuma
- 16:15-16:40 **Antoine H. F. M. Peters:** Histone variants and proteolysis during spermatogenesis

- 16:40-17:05 **Mitinori Saitou**: Epiblast development in cynomolgus monkeys
17:05-17:30 **Yasuhisa Matsui**: De-repression of germ cell-specific genes in pluripotential stem cells and in somatic cells
18:00-20:00 Reception

Feb. 18 (Thursday)

- 9:30-11:05 **Session 4**: Female germ cells I
Chair: Masahito Ikawa
9:30-9:55 **Toshinobu Nakamura**: Critical function of Klf17 for the zygotic genome activation in mice
9:55-10:20 **Katsuhiko Hayashi**: Attempts to reconstitute the entire cycle of the female germline in dish
10:20-10:45 **Tomoya Kitajima**: Intrinsic and age-related sources of aneuploidy in eggs
10:45-11:05 Coffee break
11:05-11:50 **Plenary lecture** (Chair: Toru Nakano)
Hans Schöler: Induction of Pluripotency in Germline and Somatic Stem Cells
11:50-13:10 Lunch/Executive meeting
13:10-14:10 Poster session 2: Even number posters
14:10-15:45 **Session 5**: Female germ cells II
Chair: Atsuo Ogura
14:10-14:35 **Yuichi Tsukada**: The role of zygotic 5mC oxidation in mouse development
14:35-15:00 **Masahito Ikawa**: CRISPR/Cas9 mediated genome editing and its application for the study of reproduction
15:00-15:25 **Martin M. Matzuk**: A genetic and small molecule understanding of infertility and contraception
15:25-15:45 Coffee break
15:45-17:25 **Session6**: Stem cells
Chair: Takashi Shinohara

- 15:45-16:10 **Shinichiro Chuma:** Male germline stem cells are primed to meiosis through epigenetic and translational control in mice
- 16:10-16:35 **Alexander Meissner:** Targets and genomic constraints of ectopic de novo DNA methyltransferase expression
- 16:35-17:00 **Yumiko Saga:** The mechanism of sex determination of mouse germ cells
- 17:00-17:25 **Austin Smith:** Progression from the Embryonic Stem Cell Ground State

Feb. 19 (Friday)

- 9:30-11:05 **Session 7:** Epigenomics I
Chair: Yumiko Saga
- 9:30-9:55 **Anne Ferguson-Smith:** Targeted maintenance of epigenetic states in mammals
- 9:55-10:20 **Hiroyuki Sasaki:** Switching from post-transcriptional to transcriptional retrotransposon silencing during male germ-cell development in mice
- 10:20-10:45 **Gavin Kelsey:** Transcription and chromatin mechanisms determining the oocyte DNA methylome
- 10:45-11:05 Coffee break
- 11:05-12:20 **Session 8:** Epigenomics II
Chair: Yuichi Tsukada
- 11:05-11:30 **Kuniaki Saito:** Small RNA-mediated epigenetic control of transposable elements in *Drosophila*
- 11:30-11:55 **Robert Feil:** Condensin complexes and HP1 differentially regulate Nano-scale Chromatin Compaction in meiotic cells.
- 11:55-12:20 **Maria-Elena Torres-Padilla:** Epigenetic mechanisms in early mammalian development
- 12:20-12:30 Closing remarks

Information for Oral & Poster Presentation

Oral Session

-Please register your presentation data at the operator’s desk inside the Memorial Hall before presentation;

Session 1, Plenary Lecture I - 9:15-9:45 (Feb. 17)

Session 2, 3 - 13:00-13:20 (Feb. 17)

Session 4, Plenary Lecture II - 9:00-9:20 (Feb. 18)

Session 5, 6 - 13:00-13:20 (Feb. 18)

Session 7, 8 - 9:00-9:20 (Feb. 19)

Poster Session

-Posters will be on display in the International Conference Hall I and will be available to view for the duration of the conference. Each poster has been assigned a number, as shown in the list below.

Set-up Time : 10:00-13:40 (Feb.17)

Removal Time : 9:00-12:30 (Feb.19)

-Presenting authors will stand alongside their poster during the poster session. Poster session is divided into 2 sections;

Odd number posters – 13:40-14:40 (Feb.17)

Even number posters – 13:10-14:10 (Feb.18)

-Please ask a receptionist for thumbtacks and tapes.

P1	Abe, Kuniya	阿部 訓也	P11	Higuchi, Chika	樋口 智香
P2	Akuzawa, Nasuki	阿久澤 夏生	P12-1 P12-2	Hirota, Yasushi Hiraoka, Takehiro	廣田 泰 平岡 毅大
P3	Aoki, Nana	青木 七菜	P13	Hoida, Kensuke	穂井田 謙介
P4	Castaneda, Julio		P14	Honda, Arata	本多 新
P5	Endoh, Mitsuhiro	遠藤 充浩	P15	Koichi, Ichimura	市村 幸一
P6	Fujihara, Yoshitaka	藤原 祥高	P16	Inoue, Kimiko	井上 貴美子
P7	Fukuda, Kurumi	福田 胡桃	P17	Inoue, Takahiro	井上 貴博
P8	Hada, Masashi	羽田 政司	P18	Isotani, Ayako	磯谷 綾子
P9	Hatanaka, Yuki	畑中 勇輝	P19	Ito, Yuya	伊藤 雄哉

P10	Hayashi, Yohei	林 陽平	P20	Jason, Lin	リン・ジェイソン
P21	Kabayama, Yuka	樺山 由佳	P48	Ohishi, Hiroaki	大石 裕晃
P22	Kamimura, Satoshi	上村 悟氏	P49	Oji, Asami	大字 亜沙美
P23	Kanatsu-Shinohara, Mito	篠原 美都	P50	Okae, Hiroaki	岡江 寛明
P24	Kaneda, Masahiro	金田 正弘	P51	Onishi, Ryo	大西 遼
P25	Katanaya, Ami	刀谷 在美	P52	Ooga, Masatoshi	大我 政敏
P26	Kawamura, Machika	河村 真愛	P53	Pin, Pui Han	Pui Han Pin
P27	Kawasaki, Yuki	川崎 祐季	P54	Sakurai, Takayuki	櫻井 隆順
P28	Kobayashi, Hisato	小林 久人	P55	Seki, Yoshiyuki	関 由行
P29	Koike, Tasuku	小池 佐	P56	Sekinaka, Tamotsu	関中 保
P30	Kubo, Naoki	久保 直樹	P57	Shirane, Kenjiro	白根 健次郎
P31	Tachibana, Makoto	立花 誠	P58	Suzuki, Ayumu	鈴木 歩
P32	Lee, Jiyoung	李 知英	P59	Suzuki, Hitomi	鈴木 仁美
P33	Li, Ten	李 典	P60	Takashima, Seiji	高島 誠司
P34	Maenohara, Shoji	前之原 章司	P61	Tanaka, Takashi	田中 敬
P35	Matsumura, Takafumi	松村 貴史	P62	Teshigawara, Rika	勅使河原 利香
P36	Matsuzaki, Hitomi	松崎 仁美	P63	Tobita, Tomohiro	飛田 知央
P37	Miyata, Haruhiko	宮田 治彦	P64	Tsukaguchi, Tomomasa	塚口 智将
P38	Mochizuki, Kentaro	望月 研太郎	P65	Ueda, Jun	上田 潤
P39	Mori, Yoshifumi	森 圭史	P66	Watanabe, Satoshi	渡邊 哲史
P40	Morimoto, Hiroko	森本 裕子	P67	Watanabe, Takayoshi	渡部 隆義
P41	Morita, Kohtaro	守田 昂太郎	P68	Yagi, Masaki	八木 正樹
P42	Muto, Masanaga	武藤 真長	P69	Yagi, Mizuki	八木 瑞貴
P43	Nagamori, Ippei	永森 一平	P70	Yamazaki, Taiga	山崎 大賀
P44	Hamada, Hirotaka	濱田 裕貴	P71	Yoshizawa-Sugata, Naoko	吉沢 直子
P45	Nakajima, Yuki	中島 友紀	P72	Kobayashi, Norio	小林 記緒
P46	Noda, Taichi	野田 大地	P73	Takada, Tatsuyuki	高田 達之
P47	Nozawa, Kaori	野澤 香織			