

Germ Cells

*Satellite Symposium to the
SDB and JSDB Joint Meeting*

August 5th 2010
Albuquerque, New Mexico USA

8:50-9:00 Opening remarks

9:00-9:25 **Akira Nakamura** (Riken, CDB, Kobe, Japan)
Repression of Early Zygotic Transcription in *Drosophila* Primordial Germ Cells

9:25-9:40 **Mark McElwain** (Stanford University, Palo Alto, USA) (short talk)
A crucial role for lipid phosphorylation in WntD-mediated primordial germ cell migration

9:40-10:05 **Kazuya Kobayashi** (Keio University, Tokyo, Japan)
Sexual induction in the asexual form of the planarian

10:05-10:30 **Alex Bortvin** (Carnegie Institution, Baltimore, USA)
Murine piRNAs – not so small after all.

10:30-11:00 break

11:00-11:25 **Yumiko Saga** (National Institute of Genetics, Mishima, Japan)
Molecular functions of Nanos2 in the embryonic germ cells

11:25-11:40 **Satomi Miyagawa** (Osaka University, Osaka, Japan) (short talk)
piRNA : its production and possible functions

11:40-11:55 **Kazuya Hashiyama** (National Institute for Basic Biology, Okasaki, Japan)
(short talk)
Mechanism regulating sex determination of the germline progenitors in *Drosophila* embryos

11:55-12:20 **Allan Spradling** (Carnegie Institution and HHMI, Baltimore, USA)
Epigenetic and genomic instability during stem cell development.

12:30-2:30 lunch & posters

2:30-2:55 **Mary Mullins** (University of Pennsylvania, Philadelphia, USA)

Establishment of oocyte polarity in zebrafish

2:55-3:20 **Kunio Inoue** (Kobe University, Kobe, Japan) (short talk)

Control of germline/somatic cell distinction by miRNA in zebrafish.

3:20-3:35 **David Zarkower** (University of Minnesota, Minneapolis, USA) (short talk)

The mammalian Doublesex homolog DMRT1 controls the mitosis versus meiosis decision in males

3:35-3:50 **Matthew Cook** (Duke University, Durham, USA) (short talk)

The RNA binding protein DND1 promotes mitotic arrest in male germ cells through regulation of cell cycle and differentiation genes.

3:50-4:15 **Ruth Lehmann** (Skirball Institute, HHMI and NYU School of Medicine, New York)

Transcriptional regulation during germ line stem cell differentiation

4:15-4:30 wrap up