The Maternal to Zygotic Transition: Deciphering the Ultimate Genetic Switch
Workshop at the 50th Annual Drosophila Research Conference
Friday, March 6, 2009, 1:45 pm
Room: Chicago 6/7

Organizers: Howard Lipshitz, The University of Toronto, Toronto, ON, Canada and John C. Sisson, The University of Texas at Austin, Austin, TX, USA.

Please note that the 18-minute time slots are for 12-15 min. presentations followed by 6-3 min. discussions.

Program of events:

1:45-1:50 Introduction by Howard Lipshitz and John Sisson.

1:50-2:08 Howard Lipshitz, Dept. of Molecular Genetics, The University of Toronto, Toronto, ON, Canada. Regulatory processes during the MZT.


2:26-2:44 John C. Sisson, The Section of Molecular Cell and Developmental Biology, The University of Texas at Austin, Austin, TX, USA. Synaptic plasticity translational regulators control cellular morphogenesis and cell cycle progression during the MZT.

2:44-3:02 Eric Wieschaus, HHMI, and Dept. of Biology, Princeton University, Princeton, NJ, USA. Coordinating cell cycle, transcription and morphological change in the cycle 14 embryo.

3:02-3:20 Christine Rushlow, Dept. of Biology, New York University, New York, New York, USA. Zelda is a key activator of the early zygotic genome.

3:20-3:38 Eric Lécuyer. The Terrence Donnelly Centre for Cellular and Biomolecular Research, The University of Toronto, Toronto, ON, Canada. Localized regulation of early zygotic mRNAs in Drosophila: links to RNA interference pathways.

3:38-3:45 Open discussion.