

## 53<sup>rd</sup> Annual *Drosophila* Research Conference

The 53<sup>rd</sup> Annual *Drosophila* Research Conference was held on 7 – 11 March 2012 at the Sheraton Chicago Hotel & Towers, Chicago, IL. The 2012 Organizing Committee was Celeste Berg, Steve Crews, Erika Matunis, and Kevin White. The conference was sponsored by The *Drosophila* Board in association with the Genetics Society of America, 9650 Rockville Pike, Bethesda, MD 20814-3998. The Program and Abstracts Volume lists 892 presentations, including 156 platform session talks and 736 posters ([www.drosophila-conf.org](http://www.drosophila-conf.org)).

**Future Advances in *Drosophila* Research**, moderated by Steve Crews (University of North Carolina, Chapel Hill)

**Featuring:** Hugo Bellen, Ross Cagan, Dan Kiehart, and Trudy Mackay

### Plenary Lectures (In Presentation Order)

Carl S. Thummel (Department of Human Genetics, University of Utah School of Medicine, Salt Lake City, UT). Regulation of energy metabolism in *Drosophila*.

Julie H. Simpson (HHMI, Janelia Farm Res. Campus, Ashburn, VA). Behavioral and anatomical analysis of the neural circuits that drive fly grooming.

Stephen DiNardo (Department of Cell & Developmental Biology, Perelman School of Medicine, Institute for Regenerative Medicine, University of Pennsylvania, Philadelphia, PA). News from the niche.

Suzanne Eaton (The Max Planck Institute of Molecular Cell Biology and Genetics, Germany). Lipoproteins in human and *Drosophila* Hedgehog signaling.

John Tower (Molecular and Computational Biology Program, University of Southern California, Los Angeles, CA). 3D videotracking of *Drosophila* behavior and GFP expression and predictive biomarkers of aging.

Steven Reppert (UMass Medical School, Worcester, MA). The neurobiology of Monarch Butterfly migration.

Denise J. Montell (Department of Biological Chemistry, Center for Cell Dynamics, Johns Hopkins School of Medicine, Baltimore, MD). Oogenesis: where physiology and development meet.

Manyuan Long (Department of Ecology & Evolution, University of Chicago, Chicago, IL). Evolution and phenotypic effects of new genes in *Drosophila*.

Julie A. Brill (Cell Biology Program, The Hospital for Sick Children, Toronto, ON). PIPs control cell morphogenesis in *Drosophila*.

Chris Q. Doe (Inst. Neuroscience, University of Oregon, Eugene, OR). Spindle orientation in neural stem cells.

Eileen E. Furlong (Genome Biology, EMBL, Heidelberg, Germany). Deciphering the *cis*-regulatory code.

Thomas B. Kornberg (Cardiovascular Research Institute, University of California, San Francisco, CA). A mechanism of morphogen protein dispersion mediated at points of direct contact.

### **Workshops** (in order of presentation)

#### Ecdysone Workshop

Organizers: c/o [bashirullah@wisc.edu](mailto:bashirullah@wisc.edu); [robward@ku.edu](mailto:robward@ku.edu)

#### Organelles in the *Drosophila* Ovary

Organizers: Ji-Long Liu (Oxford University) and Lynn Cooley (Yale University)

#### Apoptosis, Autophagy, and Other Cell Death Mechanisms

Organizers: Andreas Bergmann (University of Massachusetts Medical School) and Michael Brodsky (University of Massachusetts Medical School)

#### Chromosome Pairing and Dynamics in Meiotic and Somatic Cells

Organizers: Giovanni Bosco (University of Arizona) and Sharon Bickel (Dartmouth College)

#### Undergrad Researcher Workshop

Organizers: Karen Hales (Davidson College) and Beth Ruedi (GSA)

#### Everything You Ever Wanted to Know About Sex

Organizers: Artyom Kopp (University of California, Davis), Michelle Arbeitman (University of Southern California), Mark Siegal (New York University), and Mark Van Doren (Johns Hopkins University)

#### *Drosophila* Research and Pedagogy at Primarily Undergraduate Institutions (PUI)

Organizers: Justin DiAngelo (Hofstra University), Jason Duncan (Wilamette University), and Hemlata Mistry (Widener University, Chester, PA)

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Organizers: Susan Celniker (Lawrence Berkeley National Laboratory) and Kevin White (University of Chicago)