

48th Annual *Drosophila* Research Conference

The 48th Annual *Drosophila* Research Conference was held on 7-11 March 2007 at the Philadelphia Marriott Downtown, Philadelphia, PA. The 2007 Organizing Committee was Steve DiNardo (University of Pennsylvania School of Medicine), Liz Gavis (Princeton University), Tom Jongens (University of Pennsylvania School of Medicine), and Jessica Treisman (NYU Medical Center). 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 889 presentations, including 156 platform session talks and 733 posters.

Historical Address Speaker

Spyros Artavanis-Tsakonas (Harvard Medical School/MGH Cancer Center, Boston, MA)

Plenary Lectures

Ravi Allada (Northwestern University, Evanston, IL). Circadian clocks and sleep.

Thomas Schwarz (Children's Hospital, Boston, MA). Membrane and organelle traffic in neurons.

Kristin Scott (University of California, Berkeley, CA). Taste recognition in *Drosophila*.

Thomas Lecuit (IBDM, Marseille Cedex, France). Regulation of cell surface mechanics underlying tissue morphogenesis.

Lori Wallrath (University of Iowa, Iowa City, IA). Progressive heterochromatin: Players and pathways.

Donald Rio (University of California, Berkeley, CA). Mechanisms of P element transposition and alternative pre-mRNA splicing.

Michael Eisen (University of California, Berkeley, CA). Evolution of gene regulation in *Drosophilids*.

Mohamed Noor (Duke University, Durham, NC). Signatures of speciation in the *pseudoobscura* species group.

Ulrike Gaul (Rockefeller University, New York, NY). Glial function in nervous system development.

Claude Desplan (New York University, NY). Color vision.

Pernille Rørth (EMBL, Heidelberg, Germany). Regulatory mechanisms controlling directed cell migration.

Eric Rulifson (University of Pennsylvania, Philadelphia, PA). Origin of the brain endocrine axis: Insights for Type 1 Flyabetes.

Workshops

Ecdysone Workshop

Organizers: Robert Ward (University of Kansas, Lawrence) and Craig Woodward (Mount Holyoke College, South Hadley, MA).

Cell Death

Organizers: Rebecca Hays (University of Kansas, Lawrence), Andreas Bergmann (University of Texas, Houston), and Jamie Rusconi (SUNY, Albany, NY).

A Dozen Fly Genomes: What Have We Learned and What's Next?

Organizers: William M. Gelbart (Harvard University, Cambridge, MA) and Thomas C. Kaufman (Indiana University, Bloomington).

***Drosophila* Research and Pedagogy at Primarily Undergraduate Institutions**

Organizer: Don Paetkau (Saint Mary's College, Notre Dame, IN).

Immunity, Hematopoiesis, and Pathogenesis

Organizers: Todd Schlenke (Emory University, Atlanta, GA) and Brian Lazzaro (Cornell University, Ithaca, NY).

Cell Cycle Checkpoints

Organizers: Tin Tin Su (University of Colorado, Boulder) and Claudio Sunkel (University of Porto, Portugal).

RNAi High-Throughput Screening

Organizers: Bernard Mathey-Prevot (Harvard Medical School, Boston, MA) and Steven Suchyta (Ambion, Inc., Austin, TX).

Workshop on RNA Biology

Organizer: A. Javier Lopez (Carnegie Mellon University, Pittsburgh, PA).

Extracellular Matrix Interactions and Signaling

Organizer: Halyna Shcherbata (University of Washington, Seattle).

The North American *Drosophila* Board

The Board's duties include: overseeing community resource centers and addressing other research and resource issues that affect the entire *Drosophila* research community. The Board also administers the finances for the annual North America *Drosophila* Research Conference and its associated awards, and it chooses the organizers and the site of the annual meeting. The Board consists of eight regional representatives and four international representatives, who serve 3-year terms. The three elected officers are President, President-Elect, and Treasurer. In addition, the Board has *ex officio* members who represent *Drosophila* community resources or centers. For more information about the Board and the summaries of the annual Board meetings, see: Fly Board under the News menu at the FlyBase web site: flybase.bio.indiana.edu.

***Drosophila* Board Membership as of 48th Annual *Drosophila* Research Conference March 2007**

President: Trudy Mackay (North Carolina State University)

President-Elect: Utpal Banerjee (University of California, Los Angeles)

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California: Ken Burtis (University of California, Davis)

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International Representatives:

Asia: Yasushi Hiromi (National Institute of Genetics, Mishima, Japan)

Australia/Oceania: Robert Saint (Australian National University, Canberra)

Canada: Howard Lipshitz (University of Toronto)

Europe: David Ish-Horowicz (Cancer Research UK, London)

Ex Officio – Representing *Drosophila* Resources:

Bill Gelbart (FlyBase; Harvard University)
Gerry Rubin (BDGP & FlyBase; University of California, Berkeley)
Susan Celniker (BDGP; Lawrence Berkeley National Laboratory, Berkeley)
Thom Kaufman (Bloomington Stock Center & FlyBase; Indiana University)
Kathy Matthews (Bloomington Stock Center & FlyBase; Indiana University)
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Teri Markow (Tucson Species Stock Center; University of Arizona)
Masa Toshi Yamamoto (DGRC, Kyoto)
Jim Thompson (Drosophila Information Service; University of Oklahoma)
Michael Ashburner (Europe & FlyBase; University of Cambridge)
Hugo Bellen (Bloomington Stock Center Advisory Committee & P Element Project; Baylor College of Medicine)
Allan Spradling (P-Element Project; HHMI/Carnegie Institute)
Helen Salz (Sandler Committee; Case Western Reserve University, Cleveland)
Scott Hawley (Nomenclature Committee; Stowers Institute for Medical Research)
David Bilder (Image Competition; University of California, Berkeley)
Chuck Langley (At-large; University of California, Davis)