

52nd Annual *Drosophila* Research Conference

The 52nd Annual *Drosophila* Research Conference was held on 30 March – 3 April 2011 at the Town & Country Resort and Conference Center, San Diego, CA. The 2011 Organizing Committee was Daniel Barbash, Giovanni Bosco, and Leslie Griffith. 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 958 presentations, including 156 platform session talks and 802 posters (www.drosophila-conf.org).

Historical Lecture, introduced by Leslie Griffith (Brandeis University, Waltham, MA); moderated by Michael Rosbash (Brandeis University, Waltham, MA)

Featuring: Stephen Goodwin, Ulrike Heberlein, Michael Rosbash, and Scott Waddell

Plenary Lectures (In Presentation Order)

Linda Partridge (Gen, Evolution & Environment, University College London, UK). Ageing flies.

Paul A. Garrity (National Center for Behavioral Genomics, Brandeis University, Waltham, MA).

From the Cambrian to the sushi bar: TRPAI and the evolution of thermal and chemical sensing.

Brian P. Lazzaro (Cornell University, Ithaca, NY). Pleiotropy, environment, and non-immunological determinants of defense against infection in *Drosophila*.

Lawrence S.B. Goldstein (University of California, San Diego). Genetic analysis of vesicle movement.

Patricia J. Wittkopp (University of Michigan, Ann Arbor). Genetic basis of divergent pigmentation.

Igor F. Zhimulev (Institute of Chemical Biology & Fundamental Medicine, Novosibirsk, Russian Federation, Department of Molecular and Cellular Biology). Chromosomal organization of *Drosophila melanogaster* genome.

Kami Ahmad (Harvard Medical School, Boston, MA). Nucleosome dynamics and gene regulation.

Therese A. Markow (University of California, San Diego). The secret lives of flies: What nature means for the laboratory.

Vivian Budnik (Neurobiology, University of Massachusetts Medical School, Worcester). Autoregulatory and paracrine control of synaptic and behavioral plasticity by octopaminergic signaling.

Eric C. Lai (Sloan Kettering Institute, NY). Biogenesis and function of microRNAs.

Anna Dornhaus (University of Arizona, Tucson). Understanding the “Why?”: Evolution of behavior in social insects.

Eric. F. Wieschaus (HHMI, Department of Molecular Biology, Lewis-Sigler Institute for Integrative Genomics, Princeton, NJ). The mechanics of shape change in the *Drosophila* embryo.

Workshops (in order of presentation)

Ecdysone Workshop

Organizers: Christen Mirth (Instituto Gulbenkian de Ciencia) and Arash Bashirullah (University of Wisconsin).

Cell Competition

Organizers: Wu-Min Deng (Florida State University), Tatsushi Igaki (Kobe University), and Eduardo Moreno (CNIO).

Apoptosis, Autophagy, and Other Cell Death Mechanisms

Andreas Bergman (MD Anderson Cancer Center) and Eli Arama (Weizmann Institute)

Chemical Genetics and Drug Screening

Tin Tin Su (University of Colorado) and Claudio Sunkel (IBMC)

Mechanisms and Functions of Chromosome Pairing

Jeff Sekelsky (University of North Carolina) and Giovanni Bosco (University of Arizona)

Confocal Imaging

Steve Paddock (HHMI/University of Wisconsin)

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

Jason Duncan (Willamette University) and Janet Rollins (College of Mount Saint Vincent)

Quantitative Biology of Cell Signaling and Pattern Formation

David Arnosti (Michigan State University), Stas Shvartsman (Princeton University), and Thomas M. Onorato (Laguardia Community College/CUNY)

Emerging Model Arthropods

Molly Duman-Scheel (Indiana University School of Medicine)

Everything You Ever Wanted to Know About Sex

Mark Van Doren (Johns Hopkins University)

modENCODE Workshop

Susan Celniker (Lawrence Berkeley National Laboratory) and Gary Karpen (Lawrence Berkeley National Laboratory)

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: the FlyBase web site: flybase.bio.indiana.edu.

***Drosophila* Board Membership as of 52nd Annual *Drosophila* Research Conference April 2011**

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Primary Undergraduate Institution Representative:

Karen Hales (Davidson College, Davidson, NC)

Ex Officio – Representing *Drosophila* Resources:

Bill Gelbart (FlyBase; Harvard University)
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Kathy Matthews (Bloomington Stock Center & FlyBase; Indiana University)
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Jim Thompson (Drosophila Information Service; University of Oklahoma)
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