



Mark your calendars now to attend the 48th Annual Drosophila Research Conference

March 7-11, 2007
Philadelphia, PA
Philadelphia Marriott

You are invited to attend the 48th Annual Drosophila Research Conference, sponsored by The Genetics Society of America. The Conference will be held March 7-11, 2007, at the Philadelphia Marriott Hotel in Philadelphia, Pennsylvania.

The Conference will open on Wednesday evening, March 7, with an opening session from 7:00 PM until 9:00 PM, followed by a mixer from 9:00 PM until 12:00 midnight. The closing plenary session will take place from 8:30 AM until 12:00 PM on Sunday, March 11. Please watch for the Call for Abstracts site which will open on September 22, 2006 and will close on November 1, 2006.

The Program Chairs for the 2007 conference are:
Steve DiNardo, sdinardo@mail.med.upenn.edu
Liz Gavis, lgavis@princeton.edu
Tom Jongens, jongens@mail.med.upenn.edu
Jessica Treisman, treisman@saturn.med.nyu.edu

We look forward to seeing you in
Philadelphia!



Important Dates

September 22, 2006

Abstract Submission Site Opens

October 23, 2006

Conference Registration Site Opens

November 1, 2006

Deadline for Abstract Submissions

Deadline for Workshop Requests

November 9, 2006

Deadline to Withdraw Abstracts

December 1, 2006

Deadline for Receipt of Larry Sandler

Award Nominations

February 2, 2007

Deadline for Early Conference Registration

February 7, 2007

Deadline for Hotel Reservations

PRELIMINARY SCHEDULE OF Events

● **WEDNESDAY, MARCH 7**

12:00 PM - 6:30 PM	Ecdysone Workshop
3:00 PM - 6:00 PM	Drosophila Board of Directors Meeting
7:00 PM - 9:00 PM	Opening General Session
7:00 PM	Welcome and Opening Remarks
7:10 PM	Introduction of Historical Speaker
7:20 PM	Historical Address
8:10 PM	Larry Sandler Memorial Lecture
9:00 PM - 12:00 AM	Mixer/Reception

● **THURSDAY, MARCH 8**

8:30 AM - 12:00 PM	Plenary Session I
1:00 PM - 6:00 PM	FlyBase Demonstrations
2:00 PM - 4:00 PM	Exhibits and Poster Session
2:00 PM	Even-numbered posters
3:00 PM	Odd-numbered posters
4:30 PM - 6:30 PM	Concurrent Platform Sessions I
8:00 PM - 11:00 PM	Exhibits and Poster Session
8:00 PM	"A" posters
9:00 PM	"B" posters
10:00 PM	"C" posters

● **FRIDAY, MARCH 9**

8:30 AM - 12:30 PM	Concurrent Platform Sessions II
9:00 AM - 6:00 PM	FlyBase Demonstrations
1:45 PM - 3:45 PM	Concurrent Workshops
2:00 PM - 4:00 PM	Visits the Exhibits
4:30 PM - 6:30 PM	Concurrent Platform Sessions III
8:00 PM - 11:00 PM	Exhibits and Poster Session
8:00 PM	"C" posters
9:00 PM	"B" posters
10:00 PM	"A" posters

● **SATURDAY, MARCH 10**

8:30 AM - 12:30 PM	Concurrent Platform Sessions IV
9:00 AM - 5:00 PM	FlyBase Demonstrations
1:30 PM - 3:30 PM	Exhibits and Poster Session
1:30 PM	Odd-numbered posters
2:30 PM	Even-numbered posters
4:00 PM - 6:00 PM	Concurrent Platform Sessions V
6:45 PM - 8:45 PM	Concurrent Workshops
8:00 PM - 11:00 PM	Poster Viewing and Exhibits Open
9:30 PM - 11:30 PM	Concurrent Workshops

● **SUNDAY, MARCH 11**

8:30 AM - 12:00 PM	Plenary Session II
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PROGRAM INFORMATION

Abstract Submission Overview

All abstracts will be accepted electronically via the World Wide Web. For instructions, access the Drosophila Conference Web site at: <http://www.drosophila-conf.org/>

The site will open for abstract submissions beginning on or about Friday, September 22, 2006.

The deadline for submission of abstracts is **Wednesday, November 1, 2006**, at 11:59 PM (midnight) U.S. East Coast time. Revisions may be made until **Monday, November 6, 2006**.

Late abstracts may be submitted from Friday, November 10, 2006, until Monday, January 22, 2007.

Submission of late abstracts must be via the late abstract submission program on the Conference Web site. If accepted, these abstracts will not appear in the program and abstracts volume but will be printed in the program addendum distributed at the meeting. Accepted late abstracts will be assigned poster presentations and given space at the back of the poster area, rather than in the requested area of interest. These abstracts will not be considered for platform presentation and will not be available through the searchable on-line database.

Author Presentation Notifications

Platform and poster presentation assignments will be posted at the Drosophila Conference Web site <http://www.drosophila-conf.org> on or around Friday, January 5, 2007. Just before this site opens, authors will be sent an e-mail reminder to visit the site for platform and poster presentation assignments. **Individual notifications by written letter or by e-mail will not be sent unless specifically requested.** Send such requests to Suzy Brown, CMP at: sbrown@genetics-gsa.org

Program and Abstracts Volume

The entire contents of the program and abstracts volume, including the text of all abstracts, will be available at the GSA Drosophila Conference Web site <http://www.drosophila-conf.org> on or about February 8, 2007.

All registrants receive one copy of the program and abstracts volume when they arrive at the Conference. If you elect to have your copy mailed to you in advance, you must bring it with you to the meeting or, purchase an additional copy on-site if available. Extra copies will be sold at the Conference for \$20 each. Please see the Registration section for additional details.

Abstract Search and Program Planner

The Conference Abstract Search and Program Planner, available at the GSA Drosophila Conference Web site <http://www.drosophila-conf.org> on or about February 8, 2007, enables the user to search (by keyword, author and abstract title), view and print all abstracts. The program will also permit the user to select abstracts of interest to create a day-by-day, session-by-session personal Conference itinerary. Please direct any questions about this program to Krista Koziol, GSA director of publications at kkoziol@genetics-gsa.org. Please note that late abstracts will NOT be available through the on-line search.

Plenary and Historical Speakers

We are delighted to announce that the following individuals will be among those giving plenary talks at the Conference:

- Ravi Allada
- Claude Desplan
- Michael Eisen
- Ulrike Gaul
- Thomas Lecuit
- Mohamed Noor
- Donald Rio
- Pernille Rørth
- Eric Rulifson
- Thomas Schwarz
- Kristin Scott
- Lori Wallrath

We are also pleased that Spyros Artavanis-Tsakonas has accepted our invitation and will be giving the Historical Address.

Larry Sandler Memorial Lecture

The Larry Sandler Memorial Lectureship was established in recognition of Dr. Larry Sandler's many contributions to Drosophila genetics and his dedication to the training of Drosophila biologists. The recipient of the Larry Sandler Award for the most outstanding Ph.D. dissertation submitted this year will lecture at 8:15 PM on Wednesday evening, March 7. For information on submitting nominations for this award, see the Call for Nominations section of this document.

Platform Sessions

The program committee will select a subset of abstracts for platform presentations, basing their selections on several criteria, including research area, scientific impact and laboratory representation. Authors of abstracts should indicate their preference for either a platform or a poster presentation by marking the appropriate field on the Web abstract submission form. Note, however, that the program committee will determine the final designation of platform or poster presentations.

Because platform presentation requests far exceed available presentation slots (only 10-15% of all abstracts received can be accommodated in platform sessions), **authors should be prepared to present a poster if their abstract is not selected for a platform presentation.**

Each platform presentation will be limited to a 12- minute presentation, with an additional 3 minutes for questions and discussion.

To fairly accommodate the large number of requests for platform presentations, authors presenting a talk in a platform session may not present the same work in a workshop. Any author offered positions in both forums is expected to decline or withdraw from one.

Poster Sessions

The majority of the submitted abstracts will be scheduled as posters. **Poster presenters will be required to attend their posters for multiple sessions.** The poster area will be open 24 hours a day beginning at 5:00 PM, Wednesday, March 7, until Saturday evening, March 10, on the 4th Level in the Franklin Exhibition Hall at the Philadelphia Marriott. Posters may be mounted on boards beginning at 5:00 PM on Wednesday, March 7, and must be removed by 10:00 AM on Sunday, March 11. Posters that are larger than 3'8" tall by 2'10" wide will be removed.

Poster Session Awards

Awards will be given for the best poster presentations. First (\$500), second (\$300) and third (\$200) place prizes will be given to the students or postdocs judged to have the best posters. Both scientific merit and clarity of presentation will be taken into account. This competition is only open to students and postdocs. Pl's are not eligible.

Workshops

Rooms and times have been reserved for the presentation of workshops on Friday afternoon and Saturday evening. **Individuals interested in organizing a workshop should contact Tom Jongens (jongens@mail.med.upenn.edu) by October 15, 2006.** Workshop organizers should provide the workshop title, names and institutions of all organizers and a preliminary format. Please note that switchers will not be available in workshop rooms and organizers should load their presentation on one computer to eliminate the need to connect multiple computers. *Authors presenting a talk in a workshop may not present the same work in a platform session.*

Audio-Visual Equipment

Standard equipment provided without request in each plenary, workshop and platform session room includes an LCD data projector, a lectern, a laser pointer and a microphone. **All presentations should be made using PowerPoint or similar computer-generated slides.**

All authors selected for platform presentations who plan to make a computer-generated presentation are required to **load and test their computer-generated presentation in the meeting room where the presentation is to take place two hours in advance of the beginning of the overall session.** Further details will be posted at the abstract assignment notification Web site. Please note that switchers will not be available in workshop rooms and organizers should load their presentation on one computer to eliminate the need to connect multiple computers.

As in the past, each platform presenter will be given 12 minutes for presentation and an additional 3 minutes for questions and discussion.

REGISTRATION

The governing boards of the Drosophila community and The Genetics Society of America (GSA), sponsoring organization of the Conference, have agreed that members and affiliates of GSA who attend the Conference should pay the lowest fees as a benefit of GSA membership. If you wish to join GSA, you may do so online by going to the GSA web site at <http://www.genetics-gsa.org/> then click on Membership Application. **Only graduate and undergraduate students qualify for the reduced student rate. Postdoctoral students and laboratory technicians do not qualify for the student rate and must pay the faculty or postdoctoral/lab tech rate.**

Conference registrations will be accepted **only** via the Drosophila Conference Web site:
<http://www.drosophila-conf.org/> Click on: *Online Conference Registration*

The site opens on or around October 23, 2006.

Payment must be made with a credit card.

For questions regarding registration, contact Toney Vogel at: tvogel@genetics-gsa.org

Registration Fees

	<i>On or before Feb. 2</i>	<i>Feb. 2-28</i>	<i>On-Site</i>
●GSA Member/Affiliate*			
Faculty/Lab Tech	\$190	\$335	\$355
Postdoc	\$171	\$302	\$322
Grad/Undergrad Student**	\$80	\$170	\$190
●Non GSA Member/Affiliate			
Faculty/Lab Tech	\$310	\$455	\$475
Postdoc	\$279	\$410	\$430
Grad/Undergrad Student	\$145	\$235	\$255

NOTE: Registration fees **do not** include hotel accommodations or meals.

*GSA membership dues are current only if paid through the end of 2007.

**Nonmembers registering at the Graduate and Undergraduate student rate must provide proof of graduate- or undergraduate-level student status.

Advance Registration Deadline

The deadline for receipt of advance registration at the reduced rate is Friday, February 2, 2007. Credit cards must be used to register for the Conference via the online registration site at <http://www.drosophila-conf.org/> open on or about October 23, 2006. After February 2, 2007, you must register at the higher rates, and it will be too late to receive the program and abstracts volume by mail in advance of the meeting. Those registering on-site will be assessed an additional \$20 administrative fee.

Payment

Payment must be made by credit card (Visa, MasterCard, American Express or Discover). Credit card payments **will not** be accepted by telephone or fax.

Cancellation of Advance Registration

A \$50 processing fee will be charged for all registration cancellations. Registrations will be accepted and refunds processed by **returning the Conference badge and payment receipt along with a written (via e-mail to tvogel@gsa-genetics.org) request to cancel the registration.** Cancellation requests must reach the GSA office by Wednesday, February 21, 2007. After that date, no refunds will be made.

Program and Abstracts Volume

Program and abstracts volumes will be available at the Conference. **The registration fee does not include the cost of mailing the program and abstracts volume prior to the Conference.**

To keep meeting registration costs from increasing, the book will be mailed only to U.S. resident pre-registrants who indicate when registering that they wish to receive the book by priority mail prior to the Conference, and who include the required **\$20 fee** with the advance registration form received by February 2, 2007.

Non-U.S. resident pre-registrants may request delivery only by FedEx and must supply their Federal Express account number. Note that due to the weight (nearly 3 pounds) of the program and abstracts volume, FedEx charges may be as high as \$30-50 USD. Check with your local FedEx office if cost is a concern. Other types of delivery outside the U.S. have proven to be unreliable in the past and will not be offered. Because of the limited time between publication of the program and abstracts volume and the beginning of the Conference, *GSA cannot guarantee that your program and abstracts volume will be delivered to you prior to your departure for the Conference.*

On-Site Registration Hours

The registration and book pick up area will be located on Level 4 outside of Franklin Hall at the Philadelphia Marriott and will be open according to the following schedule:

Wednesday, March 7	3:30 PM–9:00 PM
Thursday, March 8	8:00 AM–5:00 PM
Friday, March 9	8:30 AM–5:00 PM
Saturday, March 10	8:30 AM–5:00 PM
Sunday, March 11	Closed

ACCOMMODATIONS AND TRAVEL

Location

The Conference will be held in Philadelphia, Pennsylvania, the City of Brotherly Love. It is also the birthplace of US democracy and one of the most popular destination cities in the United States. Philadelphia is easily accessible by air, train and major interstate highways. The hotel room block and all sessions of the Conference are at the ***Philadelphia Marriott***. This hotel is approximately 20 minutes from the airport.

Hotel and Reservations

The Philadelphia Marriott has two fitness centers, an indoor pool and three restaurants. It is also adjacent to the Reading Terminal Market. The hotel is within walking distance of many Philadelphia historical landmarks including the Liberty Bell and Independence Hall.

To reserve a hotel room, you may make your reservations online directly at the Philadelphia Marriott reservation site at: <http://www.stayatmarriott.com/2007drosophilaresearchconference>, or, if you prefer, you may complete the reservation form exactly as instructed and mail or fax to the Philadelphia Marriott. Note that reservations will be accepted only when accompanied by a credit card guarantee and a deposit of the first night's room and tax.

Reservations also may be made at the Philadelphia Marriott by telephone, or fax to the numbers on the reservation form.

Deadline for receipt of reservations: February 7, 2007. When contacting the hotel by telephone, identify yourself as an attendee of the 48th Annual Drosophila Research Conference and reference the code **drcdrca**.

Please note that neither the Philadelphia Marriott nor the GSA staff will assist in finding or assigning roommates. However, individuals looking for roommates may check the online bulletin board at the Drosophila Conference Web site (<http://www.drosophila-conf.org/>), which opens on or around October 23, 2006.

The Philadelphia Marriott will process reservation requests on a first-come, first-served basis. To make reservations by telephone within the US or Canada, call 1-800-228-9290 (reservations only), or fax the form to 215-625-6862. To phone or fax reservations from outside of the US and Canada, go to www.marriott.com/reservation/worldnum.mi?WT_Ref=mi_left. For general information about the hotel go to the Philadelphia Marriott Website at <http://marriott.com/property/propertypage/PHLDT>.

The deadline for RECEIPT of hotel reservations is February 7, 2007.

Room Rates

Room descriptions and pictures are available at <http://marriott.com/property/propertypage/PHLDT>

RATES:

Single (1 person) - \$169

Double (2 persons) - \$189

Additional person in any room - \$20

Concierge Level - \$359

*All rates are **per room, per night** and do not include local room tax of 14%. Maximum occupancy per room is four people.*

IMPORTANT Room Reservation Cancellation Policy: to receive a credit or refund of the *required* first night's room and tax deposit, cancellation must be made by 6:00 p.m. on the arrival date.

The Philadelphia Marriott is handicapped accessible. Please advise the hotel of special needs as far in advance as possible. Every effort will be made to accommodate special needs.

Ground Transportation

Shuttle van service and taxis are available at the airport. Shuttle service is currently \$9.50 each way; taxi service is currently about \$16.00 each way.

Parking

Parking is available at the Philadelphia Marriott for \$35 per day. Valet parking is also available.

Call for Nominations

LARRY SANDLER MEMORIAL LECTURE

We invite nominations of candidates to present the Larry Sandler Memorial Lecture held on the opening night of the 48th Annual Drosophila Research Conference, March 7, 2007, in Philadelphia, Pennsylvania.

Any student completing a Ph.D. in an area of Drosophila research in calendar year 2006 is eligible and may be nominated by his/her thesis advisor. Past recipients of this honor are:

Bruce Edgar, 1988
Kate Harding, 1989
Michael Dickinson, 1990
Maurice Kernan, 1991
Doug Kellogg, 1992
David Schneider, 1993
Kendal Broadie, 1994
David Begun, 1995
Chaoyong Ma, 1996
Abby Dernburg, 1997

Nir Hacoheh, 1998
Terence Murphy, 1999
Bin Chen, 2000
James Wilhelm, 2001
Matthew C. Gibson, 2002
Sinisa Urban, 2003
Sean McGuire, 2004
Elissa Hallem, 2005
Daniel Ortiz-Barrientos, 2006

Nominations should include curriculum vitae, a thesis abstract of one or two pages, and a letter of nomination from the advisor.

Nominations should be sent for receipt by December 1, 2006, to:

Helen Salz
Department of Genetics
Case Western Reserve University
10900 Euclid Ave.
Cleveland, OH 44106-4955
telephone: (216) 368-2879 fax: (216) 368-3432
E-mail: helen.salz@case.edu

PLEASE POST THIS NOTICE

48th ANNUAL DROSOPHILA RESEARCH CONFERENCE
March 7-11, 2007

• **Housing Application and Reservation Form** •
Receipt Deadline: February 7, 2007

ON-LINE: <http://www.stayatmarriott.com/2007drosophilaresearchconference/>

Click on "Marriott Philadelphia" on the right hand side of the page

Group Code: drcdrc

BY FAX: 215-625 - 6862

BY TELEPHONE within the US and Canada: 1-800-228-9290

BY TELEPHONE outside of the US and Canada: Go to www.marriott.com/reservation/worldnum.mi?WT_Ref=mi_left

BY MAIL: Philadelphia Marriott Downtown, Attention: In-House Reservations, 1201 Market Street, Philadelphia, PA 19107

- **Do NOT make reservations by more than ONE METHOD noted above, as it will result in a duplicate reservation and you will be charged for 2 deposits (i.e., do not fax and telephone reservation requests). Reserve early! Space is limited.**
- If you are making reservations for MORE than one room, this form may be photocopied. Only ONE room reservation can be made per application form. All individuals sharing this ONE room should be listed below.
- Confirmations will be sent by the hotel ONLY to the first person named below. **The first person named below is responsible for making and providing copies to individuals sharing the room.**
- Reservations will be processed on a first-come, first-served basis. Once the Drosophila room block is sold out, your reservation request may be referred to another nearby hotel **at a higher rate.**

***INDIVIDUALS LISTED BELOW IN THE "SHARING WITH" SECTION SHOULD NOT SUBMIT SEPARATE RESERVATION FORMS. THIS WILL RESULT IN DUPLICATE RESERVATIONS AND NO-SHOW CHARGES BY THE HOTEL. NAME OF INDIVIDUAL TO WHOM CONFIRMATION WILL BE SENT IS FIRST LISTED: (Separate confirmations will NOT be sent to individuals listed as sharing the room.)**

1st Person _____
First Name M.I. Last Name

Dept and Institution _____

Street Address or P.O. Box Number _____

City State Zip/Mail Code Country

Telephone Number FAX Number E-mail Address

ARRIVAL: Date _____ **DEPARTURE:** Date _____

Check-in time is 4:00 PM. Check-out time is 11:00 AM.

ROOM TYPE/ROOM RATE: Please check only **ONE** box to indicate room type requested. Taxes of 14% are not included in rates shown and will be added.

Single (1 person) - \$169 **Double** (2 persons) - \$189 **Additional Person in any room** - \$20 **Concierge Level** - \$359

Smoking **Non-smoking** **Handicap Room** **Other special requests** _____

SHARING A ROOM: (Individuals listed below should NOT submit separate reservation forms because duplicate reservations could result, causing automatic cancellation of reservations, or no-show charges by the hotel. Confirmation will be sent ONLY to 1st person named above.) **If more than one person occupies a room, specify roommate names below:**

2nd person _____ 3rd person _____

4th person _____ **No more than 4 persons per room allowed.**

ROOM RESERVATION GUARANTEE AND CANCELLATION: Reservation must be guaranteed with one-night's room deposit by **major credit card**. It is the hotel's policy to charge your credit card the one night's room and tax deposit **at the time you make your reservation. Cancellations must be made by 6:00 PM, on the scheduled arrival date to receive a refund of the deposit.**

Card Type _____ Card # _____ Exp Date: _____

EXACT name on card _____ Signature _____
(Print name)

ABSTRACT SUBMISSION INSTRUCTIONS

Each abstract must be submitted on the World Wide Web. Complete and detailed instructions for submitting abstracts on the Web are available at <http://www.drosophila-conf.org/> beginning on or around September 22, 2006. Abstracts prepared on paper and mailed to the GSA office, photo-copies, facsimiles or e-mails of abstracts will not be accepted.

Abstracts will appear on the Web and in the program and abstracts volume exactly as submitted, i.e., no corrections, additions, revisions or deletions can be made by the GSA staff. ***Only the author may make revisions and corrections via the Web abstract submission program. All revisions must be made no later than the November 6, 2006, revision deadline.*** Please proof your text carefully before submitting.

Because platform presentation requests far exceed platform presentation slots (only 10-15% of all abstracts received can be accommodated in platform sessions), **authors should be prepared to present a poster if their abstract is not selected for a platform presentation.**

Any authors presenting a talk in a workshop may not make a platform session presentation on the same topic.

Deadline for Receipt of Abstracts

To submit an abstract, follow the instructions for Web submission. **Submissions must be completed before midnight on Wednesday night, November 1, 2006, U.S. East Coast time.**

Confirmation of abstract receipt will include an abstract control number, an author ID number for future reference and text of the abstract (for specifics, consult the Web instructions). To double check that your submission was received, go to the abstract submission Web site and enter the submission program as though you plan to revise the abstract. If you do not find your abstract, it was not received and you should resubmit it. You will not receive an e-mail confirmation.

Shortly before the abstract assignment Web site opens on or about January 5, 2007, authors will be sent a reminder e-mail to check the Conference Web site for platform and poster assignments. ***Individual notification letters will not be issued. It is the responsibility of each author to check the Web site to ascertain the assignment to poster or platform presentation.***

Instructions for Submitting Abstracts

● **Step 1: Select a session topic area** (01-15) from the following list. Select the area that best defines the session in which you would like to be included. Insert the number in the appropriate field on the Web abstract submission form.

- 01 Cell division and growth control
- 02 Cytoskeleton and cellular biology
- 03 Genome and chromosome structure
- 04 Regulation of gene expression
- 05 Signal transduction
- 06 Pattern formation
- 07 Gametogenesis and sex determination
- 08 Organogenesis
- 09 Neurogenetics and neural development
- 10 Neural physiology and behavior
- 11 Evolution and quantitative genetics
- 12 Immune system and cell death
- 13 Techniques and genomics
- 14 Drosophila models of human diseases
- 15 Physiology and aging

● **Step 2: Select a keyword** from the keyword list on the following page and enter it in the appropriate place on the Web abstract submission form. You may choose only a keyword listed under the same number as the

number of the session topic area you select from the above list. Do not use a keyword from another session topic area.

If you do not see a keyword that is appropriate for your abstract under the session topic you chose, please choose "other" as a keyword and fill in a keyword that best fits your research.

Posters will be grouped by the fifteen session topic areas listed above. Within these topics, posters will be ordered by keywords, in an effort to group related abstracts together within session topic areas. NOTE: Late abstract submissions will not be displayed in their topic area but will be grouped together with all late abstracts. Late submissions will not be available through the on-line search.

Platform session topic areas will adhere as closely as possible to the session topic areas above, but are subject to modification based on the relative distribution of specific research areas in the pool of submitted abstracts.

KEYWORDS

01 Cell division and growth control

- a. mitosis
- b. meiosis
- c. checkpoint
- d. kinase/phosphatase/cyclin
- e. developmental modulation
- f. centrosome
- g. kinetochores and cohesion
- h. spindles and motors
- i. cytokinesis
- j. cell growth
- k. tissue growth
- l. tumor suppressors and oncogenes
- m. cell competition
- n. other

02 Cytoskeleton and cellular biology

- a. cytoskeleton
- b. cell polarity
- c. intracellular transport
- d. secretion
- e. endocytosis
- f. other

03 Genome and chromosome structure

- a. chromatin and remodeling complexes
- b. histone modification
- c. insulators/boundary elements
- d. polycomb/trithorax complexes
- e. position effect variegation
- f. dosage compensation
- g. telomere
- h. centromere
- i. transposons
- j. other

04 Regulation of gene expression

- a. core promoters and general transcription factors
- b. enhancers
- c. activators/coactivators
- d. repressors/corepressors
- e. transcription elongation
- f. splicing and its regulation
- g. RNA modification and editing

- h. translational control
- i. RNA localization
- j. other

05 Signal transduction

- a. hedgehog
- b. wingless
- c. dpp
- d. Notch
- e. receptor tyrosine kinase
- h. receptor tyrosine phosphatase
- i. JAK/STAT
- j. other

06 Pattern formation

- a. segmentation
- b. homeotics
- c. axis specification
- d. compartments and boundaries
- e. cell migration and motility
- f. commitment
- g. eye disc
- h. wing disc
- i. leg disc
- j. non-Drosophila patterning
- k. other

07 Gametogenesis and sex determination

- a. oogenesis
- b. spermatogenesis
- c. pre-gametogenic germ cell development
- d. sex determination
- e. sex-specific traits and molecules
- f. stem cells
- g. other

08 Organogenesis

- a. endodermal derivatives
- b. mesodermal derivatives
- c. ectodermal derivatives
- d. extracellular matrix/cell adhesion
- e. other

09 Neurogenetics and neural development

- a. axon guidance
- b. synaptogenesis
- c. neuronal specification

- d. neuronal morphogenesis
- e. programmed cell death
- f. glia
- g. hormonal control
- h. CNS
- i. sensory
- j. postembryonic
- k. stem cells
- l. other

10 Neural physiology and behavior

- a. sensory
- b. synapse
- c. neurotransmitters
- d. neuropeptides
- e. ion channels
- f. homeostasis
- g. learning/memory
- h. courtship and mating
- i. circadian rhythms
- j. hormones
- k. other

11 Evolution and quantitative genetics

- a. genome evolution
- b. population variation
- c. evolution and development
- d. quantitative traits
- e. speciation
- f. phylogenetics
- g. other

12 Immune system and cell death

- a. cellular immunity
- b. humoral immunity
- c. caspases
- d. death mutants/genes
- e. inhibitors of apoptosis (iaps)
- f. transcriptional regulation
- g. stem cells
- h. other

13 Techniques and genomics

- a. microarrays
- b. RNAi
- c. microscopy
- d. gene disruption and targeting
- e. gene mapping
- f. computational analyses

- g. mutational screens
- h. molecular interactions
- i. other

14 Drosophila models of human diseases

- a. neural degeneration
- b. cancer

- c. addiction
- d. developmental disorders
- e. drug discovery
- f. small RNAs
- g. other

15 Physiology and aging

- a. stress response

- b. metabolism
- c. nutrition
- d. nutrient sensing
- e. endocrine function
- f. dietary restriction
- g. oxidative damage
- h. physiology of adult organs
- i. other

**• IMPORTANT
REMINDER •**

Registration for the
Conference is by credit
card payment only via the
Drosophila Web site at
[http://www.drosophila-
conf.org/](http://www.drosophila-
conf.org/)

Questions about
registration should be
directed to
Toney Vogel, registrar, at
tvogel@genetics-gsa.org