

## ***PRELIMINARY SCHEDULE OF SESSIONS***

### ● **WEDNESDAY, MARCH 30**

12:00 PM - 6:00 PM	Ecdysone Workshop
2:00 PM - 5:00 PM	Drosophila Board of Directors Meeting
7:00 PM - 9:00 PM	Opening Session
7:00 PM	Opening Remarks
7:20 PM	Introduction of Keynote Speaker
7:30 PM	Keynote Address
8:15 PM	Larry Sandler Memorial Lecture
9:15 PM - 12:00 AM	Mixer/Reception

### ● **THURSDAY, MARCH 31**

8:30 AM - 12:00 PM	Plenary Session 1
12:00 PM - 1:00 PM	Community Resources Reports
1:00 PM - 6:00 PM	FlyBase Demonstrations
2:00 PM - 4:00 PM	Exhibits and Posters 1 (with authors)
2:00 PM	Even-numbered Posters
3:00 PM	Odd-numbered Posters
4:00 PM - 6:30 PM	Concurrent Platform Sessions 1
8:00 PM - 11:00 PM	Exhibits and Posters 2 (with authors)
8:00 PM	"A" Posters
9:00 PM	"B" Posters
10:00 PM	"C" Posters

### ● **FRIDAY, APRIL 1**

8:30 AM - 12:30 PM	Concurrent Platform Sessions 2
9:00 AM - 6:00 PM	FlyBase Demonstrations
2:00 PM - 4:00 PM	Concurrent Workshops 1
4:30 PM - 6:30 PM	Concurrent Platform Sessions 3
8:00 PM - 11:00 PM	Exhibits and Posters 3 (with authors)
8:00 PM	"C" Posters
9:00 PM	"B" Posters
10:00 PM	"A" Posters

### ● **SATURDAY, APRIL 2**

8:30 AM - 12:30 PM	Concurrent Platform Sessions 4
9:00 AM - 5:00 PM	FlyBase Demonstrations
2:00 PM - 4:00 PM	Exhibits and Posters 4 (with authors)
2:00 PM	Odd-numbered Posters
3:00 PM	Even-numbered Posters
4:00 PM - 6:30 PM	Concurrent Platform Sessions 5
7:00 PM - 9:00 PM	Concurrent Workshops 2
8:00 PM - 11:00 PM	Open Poster Viewing
9:30 PM - 11:30 PM	Concurrent Workshops 3

### ● **SUNDAY, APRIL 3**

8:30 AM - 12:30 PM	Plenary Session 2
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## **GENERAL INFORMATION**

You are invited to attend the 46th Annual Drosophila Research Conference, sponsored by The Genetics Society of America. The Conference will be held on March 30 through April 3, 2005, in San Diego, California, at the Town and Country Resort & Convention Center.

The Conference will open on Wednesday evening, March 30, with an opening session from 7:00 PM until 9:15 PM, followed by a mixer from 9:15 PM until 12:00 midnight. The closing plenary session will take place from 8:30 AM until 12:30 PM on Sunday, April 3.

The Program Chairs for the 2005 conference are Kavita Arora, Rahul Warrior and Frank Laski. They may be reached at the following e-mail addresses: karora@uci.edu; rwarrior@uci.edu; and laski@mbi.ucla.edu.

## **PROGRAM INFORMATION**

### **Abstract Submission**

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 Monday, October 4, 2004.**

**The deadline for submission** of abstracts is **Monday, November 22, 2004**, at 12:00 midnight on Monday night, U.S. East Coast time. Revisions may be made until Friday, **November 26**.

**Late abstracts may be submitted from Thursday, December 2, 2004, until Monday, March 7, 2005.** 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.

### **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 Monday, January 24, 2005. 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 Marsha Ryan at: mryan@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 March 1, 2005.

All registrants receive one copy of the program and abstracts volume when they arrive at the conference. Extra copies will be sold at the Conference for \$15 each. Please see the Registration section on page 3 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 March 1, 2005, 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 publications manager at kkoziol@genetics-gsa.org.

### **Invited Speakers**

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

- Sarah Bray
- Richard Carthew
- Ralph Greenspan
- Ernst Hafen
- Christiane Nüsslein-Volhard
- Michael O'Connor
- Daniel St. Johnston
- Jessica Treisman

### 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 18<sup>th</sup> Larry Sandler Award for the most outstanding Ph.D. dissertation submitted this year will lecture at 8:15 PM on Wednesday evening, March 30. For information on submitting nominations for this award, see the announcement in 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 30**, until Saturday evening, April 2, in the lower level Exhibition Hall of the Town and Country Resort & Convention Center. Posters may be mounted on boards beginning at 5:00 PM on Wednesday, March 30, and must be removed by 10:00 AM on Sunday, April 3.

### 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, PI'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 the Conference chairs by Friday, October 1, 2004.** At that time, workshop organizers should provide a preliminary format. *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 screen, a lectern, a laser pointer and a microphone. **All presentations should be made using PowerPoint or similar computer-generated slides. Anyone who wishes to show 35mm slides must request a 35mm projector from Marsha Ryan by no later than February 10, 2005.**

A change from the past 2 years has been made to how platform presentations will be produced. No computers will be supplied in either the Speaker Ready Room nor session rooms. **All platform presenters are required to bring their own laptop computer with which to make their presentation.** Cables will be provided for connection to the LCD projectors.

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 (or pay your 2005 dues if you are already a GSA member), you may do so online after August

30, 2004, at the GSA Web site:  
<http://www.genetics-gsa.org/>  
 (click on Membership Application/Dues in the menu on the left of your screen). If you prefer to mail your 2005 membership application to the GSA Administrative Office, please follow instructions at the above Web site for printing, completing and mailing your application and separate dues payment. **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/postdoctoral/lab tech rate.**

Conference registrations will be accepted **only** via the Drosophila Conference Web site:  
<http://www.drosophila-conf.org>  
 opening on or around November 5, 2004. Click on: *Online Conference Registration*. Payment must be made with a credit card. Note that use of a credit card at this site does not include a third party payment system. For questions regarding registration contact Toney Vogel at: [tvogel@genetics-gsa.org](mailto:tvogel@genetics-gsa.org).

November 5, 2004. After February 24, 2005, 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.

**Payment**

Payment must be made by credit card (Visa, MasterCard, American Express or Discover). Note that use of a credit card at the online registration site does not include a third party payment system. Credit card payments **will not** be accepted by telephone or fax.

**Cancellation of Advance Registration**

A \$35 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@genetics-gsa.org](mailto:tvogel@genetics-gsa.org)) request to cancel the registration.** Cancellation requests must reach the GSA office by Wednesday, March 23, 2005. 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 **\$15 fee** with the advance registration form received by February 24, 2004.

Non-U.S. resident pre-registrants may request delivery only by Federal Express or other private delivery carrier by contacting Toney Vogel, registrar, at [tvogel@genetics-gsa.org](mailto:tvogel@genetics-gsa.org). *Individuals making this request must supply their Federal Express or other private carrier account number.* Note that due to the weight (nearly 3 pounds) of the Program and Abstracts Book, 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.*

**Registration Fees**

	<i>On or before Feb. 24</i>	<i>After Feb. 24 and on site</i>
<b>● Faculty, Postdoctoral, and Lab Technicians</b>		
*GSA Member/Affiliate	\$190	\$240
Nonmember	\$310	\$370
<b>● Graduate and Undergraduate Students Only</b>		
*GSA Member/Affiliate	\$ 80	\$160
**Nonmember	\$145	\$190

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

\*GSA membership dues are current only if paid through the end of 2005.

\*\*Nonmembers registering at the graduate and undergraduate student rate must provide information on graduate- or undergraduate-level student status.

**Advance Registration Deadline**

**The deadline for receipt of advance registration at the reduced rate is Thursday, February 24, 2005.** 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

### On-Site Registration Hours

The registration and information area will be located in the Promenade on the fourth floor of the Town and Country Resort & Convention Center, and open according to the following schedule:

Wednesday, March 30	3:00 PM–9:00 PM
Thursday, March 31	8:00 AM–5:00 PM
Friday, April 1	8:30 AM–5:00 PM
Saturday, April 2	9:00 AM–5:00 PM
Sunday, April 3	Closed

## **ACCOMMODATIONS AND TRAVEL**

### Location

The Conference will be held in San Diego, California, one of the most popular destination cities in the United States. San Diego is easily accessible by air and major interstate highways. The hotel room block and all sessions of the Conference are at the **Town and Country Resort & Convention Center**. This facility is conveniently located near the San Diego Airport and is adjacent to the San Diego Trolley System's Fashion Valley Transit station. The trolley system is clean, safe and economical, and is only two stops from historic Old San Diego. Old San Diego is particularly noted for a wide variety of American and ethnic restaurants. Trolley information (fares, maps, etc.) go to:  
[http://www.sdcommute.com/Rider\\_Information/Trolley/Index.asp](http://www.sdcommute.com/Rider_Information/Trolley/Index.asp)

### Hotel and Reservations

The Town and Country Resort & Convention Center comprises several buildings situated among acres of lush gardens and palm trees, lending it a campus feel. For leisure time there are swimming pools, eateries and fitness equipment as well as a full service, professionally staffed spa.

To reserve a hotel room, you may either make your reservations online directly at the Town and Country Group reservation site at:  
<http://www.towncountry.com>. Click on Group Reservation, then enter Attendee Code: 5612 and Group Code DRC. Or, if you prefer, you may complete the enclosed reservation form exactly as instructed and mail it to the Town and Country. Note that reservations will be accepted only when accompanied by a credit card guarantee or a deposit of the first night's room and tax.

Reservations also may be made at the Town and Country Resort & Convention Center by telephone, or fax to the numbers on the reservation form.

**Deadline for receipt of reservations: Tuesday, March 1, 2005.** When contacting the hotel by telephone, identify yourself as an attendee of the 46th Annual Drosophila Research Conference.

Please note that neither the Town and Country Resort & Convention Center 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 November 5, 2004.

The Town and Country Resort & Convention Center will process reservation requests on a first-come, first-served basis. To make reservations by telephone, call (800) 772-8527 (reservations only), California residents call (619) 291-7131 (hotel's main switchboard; or to fax the form, the number is (619) 291-3584. For general information about the hotel go to the Town and Country web site at: <http://www.towncountry.com>.

Again, the **deadline for RECEIPT of hotel reservations is Tuesday, March 1.**

### Room Types and Rates

Room descriptions and pictures are available at <http://www.towncountry.com>

#### **RATES:**

##### **Garden Rooms:**

Single	1 person, 1 double bed	\$148
Double	2 persons, 2 double beds	\$148
*King	2 persons, 1 king-size bed	\$148
**Triple	3 persons, 2 double beds	\$168
**Quad	4 persons, 2 double beds	\$188

##### **Regency Tower and Courtyard Rooms:**

Single	1 person, 1 double bed	\$158
Double	2 persons, 2 double beds	\$158
*King	2 persons, 1 king-size bed	\$158
**Triple	3 persons, 2 double beds	\$178
**Quad	4 persons, 2 double beds	\$198

##### **Royal Palm Tower Rooms:**

Single	1 person, 1 double bed	\$168
Double	2 persons, 2 double beds	\$168
*King	2 persons, 1 king-size bed	\$168
**Triple	3 persons, 2 double beds	\$188
**Quad	4 persons, 2 double beds	\$208

*All rates are **per room, per night** and do not include local room tax of 10.5%. Maximum occupancy per room is four people.*

\*King-bedded rooms are limited; when they are sold out, rooms with 2 beds may be substituted.

\*\*Single person rollaway beds may be requested for triple and quad rooms, but **availability is limited and an additional charge will apply.**

**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 **at least 24 HOURS PRIOR to the scheduled arrival date and time** to obtain a refund of the advance deposit. (Check-in time is 3:00 PM, so the cancellation must be made by 3:00 PM 1 (ONE) DAY before the reserved arrival date).

Though the Town and Country Resort & Convention Center is handicapped accessible, it is the guest's responsibility to 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**

Self parking is available at the Town and Country Resort & Convention Center for guests staying in the hotel at \$10 per day (with in and out privileges), and for those not staying at the Town and Country, \$2 per hour up to a daily maximum of \$12.

## Call for Nominations

### **LARRY SANDLER MEMORIAL LECTURE**

We invite nominations of candidates to present the 18<sup>th</sup> Larry Sandler Memorial Lecture held on the opening night of the 46th Annual Drosophila Research Conference, March 30, 2005, in San Diego, California.

Any student completing a Ph.D. in an area of Drosophila research in calendar year 2004 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

Nominations should include curriculum vitae, a thesis abstract of one or two pages, and a letter of nomination from the advisor. Please submit applications in .pdf format to Gerold Schubiger at the email address given below.

**Nominations should be sent for receipt by December 31, 2004, to:**

**Gerold Schubiger  
Department of Biology  
University of Washington  
telephone: (206) 543-8158  
e-mail: gerold@u.washington.edu**

***PLEASE POST THIS NOTICE***

**46th ANNUAL DROSOPHILA RESEARCH CONFERENCE  
March 30–April 3, 2005**

• **Housing Application and Reservation Form** •  
**Receipt Deadline: March 1, 2005**

**ON-LINE:** <http://www.towncountry.com>  
Click on "Group" under Reservations  
Attendee Code 5612

**BY FAX:** (619) 281-3584

**BY TELEPHONE:**

Outside CA, US and Canada: (800) 772-8527 (reservations only)  
CA Residents: (619) 291-7131 (main number)

**BY MAIL:** Reservations Department  
Town and Country Resort & Convention Center  
500 Hotel Circle North  
San Diego, California 92108 USA

- **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 A ROOM" 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.)**

1<sup>st</sup> 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 3:00 PM. Check-out time is 11:00 AM.*

**ROOM TYPE/ROOM RATE:** Please check only **ONE** box to indicate room type requested. King-size beds and rollaways may be requested but are not guaranteed. Taxes of 10.5% are not included in rates shown and will be added.

**Single** (1 person, 1 double bed)     Garden \$148     Regency Tower/Courtyard \$158     Royal Palm Tower \$168

**Double** (2 persons, 2 double beds)     Garden \$148     Regency Tower/Courtyard \$158     Royal Palm Tower \$168

**King** (2 persons, 1 king-size bed)     Garden \$148     Regency Tower/Courtyard \$158     Royal Palm Tower \$168

**Triple** (3 persons, 2 double beds)     Garden \$168     Regency Tower/Courtyard \$178     Royal Palm Tower \$188

**Quad** (4 persons, 2 double beds)     Garden \$188     Regency Tower/Courtyard \$198     Royal Palm Tower \$208

Smoking     Non-smoking     Disabled 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 1<sup>st</sup> person named above.) **If more than one person occupies a room, specify roommate names below:**

2<sup>nd</sup> person \_\_\_\_\_ 3<sup>rd</sup> person \_\_\_\_\_

4<sup>th</sup> 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 3:00 PM, ONE (1) DAY PRIOR TO THE SCHEDULED ARRIVAL DATE TO OBTAIN A REFUND OF DEPOSIT.**

Card Type \_\_\_\_\_ Card # \_\_\_\_\_ Exp Date: \_\_\_\_\_

EXACT name on card \_\_\_\_\_ Signature \_\_\_\_\_  
(Print name)

## **ABSTRACT SUBMISSION**

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 October 4, 2004. 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 will be made by the GSA staff. **Only the author may make revisions and corrections via the Web abstract submission program. GSA staff cannot make revisions. All revisions must be made no later than the November 26, 2004, 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 Monday night, November 22, 2004, U.S. East Coast time.**

Receipt of each abstract submission as entered by the author will be acknowledged electronically to the author's e-mail address within 24 hours. 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). **If you do not receive a return e-mail confirmation, your abstract was not received.** To double check, 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.

On or about January 24, authors will be sent an e-mail reminder 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** (01-14) 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 Meiosis, mitosis, and cell division
- 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

● **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 fits your research best.

Posters will be grouped by the fourteen 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.

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 Meiosis, mitosis, and cell division**

- 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. other

## **02 Cytoskeleton and cellular biology**

- a. cytoskeleton
- b. intracellular transport
- c. cytonemes
- d. other

## **03 Genome and chromosome structure**

- a. chromatin and remodeling complexes
- b. insulators/boundary elements
- c. polycomb/trithorax complexes
- d. position effect variegation
- e. dosage compensation
- f. telomere
- g. centromere
- h. transposons
- i. 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. kinase/phosphatase
- b. cell-cell communication
- c. G protein
- d. receptor-ligand
- e. tumorigenesis
- f. protease

- g. second messengers
- h. downstream cascades and targets
- i. other

## **06 Pattern formation**

- a. segmentation
- b. homeotics
- c. axis specification
- d. compartments and boundaries
- e. cell migration and motility
- f. cell polarity
- g. commitment
- h. imaginal disk derivatives
- i. non-Drosophila patterning
- j. other

## **07 Gametogenesis and sex determination**

- a. oogenesis (germ line)
- b. oogenesis (soma)
- c. spermatogenesis
- d. pre-gametogenic germ cell development
- e. sex determination (germ line)
- f. sex determination (soma)
- g. sex-specific traits and molecules
- h. fertilization
- i. other

## **08 Organogenesis**

- a. endodermal derivatives
- b. mesodermal derivatives (muscle)
- c. mesodermal derivatives (nonmuscle)
- d. ectodermal derivatives (nonneural)
- e. extracellular matrix/cell adhesion
- f. other

## **09 Neurogenetics and neural development**

- a. axon guidance
- b. synaptogenesis
- c. neuronal specification
- d. programmed cell death
- e. glia
- f. hormonal control
- g. CNS
- h. sensory
- i. postembryonic
- j. 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. 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. aging
- f. drug discovery
- g. other

● **IMPORTANT REMINDER** ●

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

Note that use of a credit card at the online registration site does not include a third party payment system.

Questions about registration should be directed to Toney Vogel, registrar, at [tvogel@genetics-gsa.org](mailto:tvogel@genetics-gsa.org)

● **46<sup>th</sup> ANNUAL DROSOPHILA RESEARCH CONFERENCE** ●  
**TIMELINE**

October 2004	1 – Deadline to submit request for a workshop to Conference Chairs
	4 – Abstract submission Web site opens: <a href="http://www.drosophila-conf.org/">http://www.drosophila-conf.org/</a>
November 2004	5 – Registration Web site opens: <a href="http://www.drosophila-conf.org/">http://www.drosophila-conf.org/</a>
	22 – Deadline for abstract submissions
	26 – Deadline for abstract revisions
December 2004	2 – Late abstract submissions Web site opens: <a href="http://www.drosophila-conf.org/">http://www.drosophila-conf.org/</a>
	31 – Deadline for nominations for Larry Sandler Memorial Lecture Award
January 2005	24 – Abstract presentation assignments posted on Web site: <a href="http://www.drosophila-conf.org/">http://www.drosophila-conf.org/</a>
February 2005	24 – Deadline for advance registration at reduced rates
March 2005	1 – Program & Abstracts Volume posted on Web site: <a href="http://www.drosophila-conf.org/">http://www.drosophila-conf.org/</a>
	1 – Deadline for receipt of room reservations at the Town and Country
	7 – Deadline for late abstract submission
	23 – Deadline for cancellation of advance registration (with all but \$35 processing fee returned)
	30 – Conference begins
April 2005	3 – Conference ends