

Plant & Animal Genome XVIII

The International Conference on the Status of
Plant & Animal Genome Research.

January 9-13, 2010
Town & Country Hotel
San Diego, CA

www.intl-pag.org



Organizer:

Scherago International, Inc.

A Professional Conference Organizer

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NCGR, National Center for Genome Resources

Organizing Committee

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Co-Chairpersons

Plants:

Ed Kaleikau, USDA/CSREES, (USA)

Dave Matthews, USDA/ARS, Cornell University, (USA)

Jerome P. Miksche,
Emeritus Director, USDA, Plant Genome Program, (USA)

Graham Moore, John Innes Centre, (UK)

Rod Wing, University of Arizona, (USA)

Animals:

Christopher Bidwell, Purdue University, (USA)

John Liu, Auburn University, (USA)

Cecilia Penedo, UC Davis, (USA)

Shu-Hong Zhao, Huazhong Agricultural University, (China)

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Hans Cheng, USDA/ARS, (USA)

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Computer Room Organizers:

Noel Yap, Cornell University, (USA)

R E G I S T R A T I O N B R O C H U R E

Earl J. Scherago Travel Grant Award

Scherago International, in honor of the passing in 2000 of the founder of their company, is sponsoring the Earl J. Scherago travel grant award. This award is for one travel grant award of \$1000 to an international plant genome researcher who has NOT previously attended a PAG Conference. Applicants must submit a poster paper and one letter of recommendation from your department/office in order to be considered for this award. **The application deadline is October 2, 2009.** For details, please contact Dr. Douglas Bigwood (intl.pag.xvi.grants@gmail.com). The award will be presented at the Wednesday evening closing banquet. To apply, please submit the poster and send the letter of recommendation to Dr. Bigwood.

PROGRAM DETAILS

Tentative schedule - minor changes and adjustments are expected.
Please check website at www.intl-pag.org for the latest program information.

FRIDAY January 8

12:00 pm - 8:00 pm **Registration**

SATURDAY January 9

7:00 am - 8:00 pm **Registration**

7:00 am - 8:00 am **Continental Breakfast**

8:00 am - 6:00 pm **Aquaculture Workshop**
Conifer Bioinformatic Workshop
Plant Phenotypes Workshop
Swine Workshop

8:00 am - 3:25 pm **Cattle/Sheep Workshop**
Poultry Workshop

8:00 am - 10:10 am **Evolution of Genome Size Workshop**
Forage & Turf Plants Workshop
Int I Wheat Genome Sequencing Consortium

8:00 am - 12:30 pm **Fruit/Nuts Workshop**
8:00 am - 6:00 pm **NSF/USDA CSREES Microbial Genome Sequencing Program**

9:30 am - 10:30 am **Coffee/Tea/Soda Break**

10:20 am - 12:30 pm **Brassicas Workshop**
Arthropod Genomics (formerly Insect Genetics) Workshop
International Triticeae Mapping Initiative Workshop
International Lolium Genome Initiative Workshop
Mutation Screening Workshop

12:30 pm - 1:30 pm **Lunch (on your own)**

1:30 pm - 6:00 pm **Equine Workshop**

1:30 pm - 3:40 pm **Barley Workshop**
Citrus Workshop
Cool Season Legumes Workshop
Maize Workshop
Molecular Markers Workshop
Plant Alien Introgression Workshop
Plant Interactions with Pests and Pathogens Workshop
Polyploidy Workshop
Sugar Beet Workshop

3:00 pm - 4:00 pm **Coffee/Tea/Soda Break**

3:50 pm - 6:00 pm **Allele Mining and Genomic Diversity Workshop**
Connectrons Workshop
Genomics for Plant Disease Resistance Workshop
Non-Seeded Plants Workshop
Oats Workshop
QTL Cloning Workshop
Sequencing Complex Genomes Workshop
Small RNA Workshop

SUNDAY January 10

7:00 am - 5:00 pm **Registration**

7:00 am - 8:00 am **Continental Breakfast**

8:00 am - 12:30 pm **Aquaculture Workshop**
Avocado Workshop
Cattle/Sheep Workshop
Database Resources at the EBI Workshop
NSF/USDA CSREES Microbial Genome Sequencing Program
Poultry Workshop
Sugar Cane Workshop

8:00 am - 6:00 pm **Forest Trees Workshop**

8:00 am - 10:10 am **Comparative Genomics Workshop**
Equine Workshop
Large Insert Libraries Workshop
Legumes Workshop
PIR (Protein Information Resource) Workshop

9:30 am - 10:30 am **Coffee/Tea Break**
- Sponsored by: Roche Applied Science

10:20 am - 12:30 pm **Abiotic Stress Workshop**
Organelar Genetics Workshop
Plant Cytogenetics Workshop
Rice Functional Genomics Workshop
Statistical Genomics Workshop
Swine Genome Sequencing Consortium Workshop

12:30 pm - 1:30 pm **Lunch (on your own)**

1:30 pm - 3:40 pm **Cacao Genome Sequencing Workshop**
Functional Genomics - Methodologies Workshop
International Grape Genome Project Workshop
Generic Genome Browser Tutorial Workshop
National Plant Genome Initiative: What's Next?
Plant Reproductive Genomics Workshop
Rice Blast Workshop
Sugarcane Genome Sequencing Initiative Workshop
Transposable Elements Workshop

1:30 pm - 6:00 pm **Animal Genome NRSP8**

3:00 pm - 8:30 pm **Exhibits Open**

3:00 pm - 4:00 pm **Coffee/Tea/Soda Break**

3:50 pm - 6:00 pm **Alternative Splicing Workshop**
Coffee Genomics Workshop
Cucurbit Workshop
Computer Demos (Part 1)
Genomics of Plant Development & Signal Networks Workshop
International Cotton Genome Initiative Workshop
Recombination Workshop
Sex Chromosomes and Sex Determination (Animals and Plants) Workshop
TAIR Workshop

6:15 pm - 7:00 pm **Sunday Evening Plenary Lecture:**
- Eric Schadt, Pacific Biosciences

7:00 pm - 8:30 pm **Opening Welcome Reception in the Exhibit Hall**

MONDAY January 11

7:00 am - 5:00 pm **Registration**

7:00 am - 8:00 am **Continental Breakfast**

8:15 am - 8:30 am **Opening Welcome**

8:30 am - 10:00 am **Plenary Lectures:**
- Peter Raven, Missouri Botanical Garden
- Howard Jacob, Medical College of Wisconsin

9:30 am - 5:00 pm **Exhibits Open**

9:30 am - 10:30 am **Coffee/Tea Break**
- Sponsored by: Roche Applied Science

10:00 am - 11:30 am **Poster Session - EVEN NUMBERED POSTERS**

12:00 pm - 12:50 pm **Lunch** (Coupons Provided)

12:00 pm - 5:00 pm **Canadian Swine Workshop**

12:50 pm - 3:00 pm **Generation Challenge Program Workshop**
Computer Demos (Part 2)
International Grass Genome Initiative
Transgene Genetics Workshop

3:00 pm - 5:00 pm **Coffee/Tea/Soda Break**
- Sponsored by: Roche Applied Science

3:00 pm - 4:30 pm **Poster Session - ODD NUMBERED POSTERS**

6:10 pm - 8:20 pm **Fungal Genomics Workshop**
Gene Expression Analysis Workshop

7:00 pm - 7:30 pm **Coffee/Tea/Soda Break**

8:00 pm - 10:30 pm **Hospitality Suites:**
- Roche Applied Science Reception

TUESDAY January 12

7:00 am - 5:00 pm **Registration**

7:00 am - 8:00 am **Continental Breakfast**

8:00 am - 9:30 am **Plenary Lectures:**
- Evan Eichler, Washington University
- Joanne Chory, Salk Institute

9:30 am - 5:00 pm **Exhibits Open**

9:30 am - 10:30 am **Coffee/Tea/Soda Break**
- Sponsored by: Pioneer Hi-Bred International

10:20 am - 12:30 pm **Banana (Musa) Genomics Workshop**
Bioinformatics Workshop
Brachypodium Genomics Workshop
Euphorbiaceae Workshop
Genomics Assisted Breeding Workshop
Plant Epigenomics Workshop
Population and Conservation Genomics Workshop
Proteomics Workshop
Weedy and Invasive Plant Genomics Workshop
Computer Training Workshops
Phylogenomics Workshop

12:30 pm - 1:30 pm **Lunch** (Coupons Provided)

1:30 pm - 3:40 pm **Animal Epigenetics Workshop**
Compositae Workshop
Plant Feedstock Genomics Workshop
Wheat Genome Annotation and Bioinformatics
Tool Workshop
Simple Semantic Web Architecture and Protocol
Workshop

3:00 pm - 5:00 pm **Coffee/Tea/Soda Break**

3:50 pm - 6:00 pm **GrainGenes 2.0 Tutorial Workshop**
Apomixis - Components of Apomictic
Reproduction Workshop
NCBI Workshop
Root Genomics Workshop
Solanaceae Workshop
Soybean Genomics Workshop
Using Gramene: A Genomics and Genetics
Resource for Rice and other Grasses Workshop

WEDNESDAY January 13

7:00 am - 5:00 pm **Registration**

7:00 am - 8:00 am **Continental Breakfast**

8:00 am - 9:30 am **Plenary Lectures:**
- Robb Fraley, Monsanto
- Vicki Chandler, University of Arizona

9:30 am - 10:30 am **Coffee/Tea/Soda Break**

10:20 am - 12:30 pm **Comparative Genomics with GBrowse_syn:**
Host-Microbe Interactions Workshop
Ornamentals Workshop
Plant Metabolic Pathway Regulation and Drug
Discovery Workshop
Sorghum & Millets Workshop

12:30 pm - 1:30 pm **Lunch** (Coupons Provided)

1:30 pm - 3:40 pm **Computer Demos (Part 3)**

7:00 pm - 12:00 am **Banquet Dinner & Dancing**

Note:

PAG XIX: January 15-19, 2011

Plant & Animal Genome XVIII

Registration Fee of \$ _____ Enclosed (See Below)

www.intl-pag.org

Registration Fees:

- ¥ For university, non-profit and Government participants the fee will be: \$550 advance registration, postmarked by 1 November 2008; \$650 if postmarked after 2 November 2009 and \$750 on-site in San Diego
- ¥ For industry participants the fee will be: \$775 advance registration, postmarked by 2 November 2009; \$875 if postmarked after 2 November 2009 and \$975 on-site in San Diego
- ¥ For students (undergraduate and graduate), the subsidized fee will be: \$375 Student (Pre-Ph.D) Registration, postmarked by November 2, 2009; \$425 if postmarked after 2 November 2009 and \$475 on-site in San Diego. (Requires a letter of certification from your department chairperson.)
- ¥ For the week-end rate for university, non-profit and Government, (Sat. & Sun.), the subsidized fee will be: \$400, postmarked by November 2, 2009; \$450 if postmarked after 2 November 2009 and \$500 on-site in San Diego.
- ¥ For the week-end rate for Industry (Sat. & Sun.), the subsidized fee will be: \$500, postmarked by November 2, 2009; \$550 if postmarked after 2 November 2009 and \$600 on-site in San Diego.

Area of Interest:

Plant Animal

First Name _____ Surname _____

Affiliation _____

Street _____

City _____ State _____ Zip _____ Country _____

Phone _____ Fax _____

E-mail _____

Visa/MasterCard Credit Card # _____ Expiration _____

Print clearly

Company Check # _____ Personal Check # _____

Return to: Scherago International, Inc. 525 Washington Blvd., Ste. 3310, Jersey City, NJ 07310, Tel: 201-653-4777, Fax: 201-653-5705.

Make checks payable to: Scherago International, Inc./Plant & Animal Genome

Opening Message

The Plant & Animal Genome XVIII Conference is designed to provide a forum on recent developments and future plans for plant & animal genome projects. Consisting of technical presentations, poster sessions, exhibits and workshops, the conference is an excellent opportunity to exchange ideas, and applications on this internationally important project. Plant & Animal Genome XVIII will continue to provide the most comprehensive update presented by the leading researchers involved in genetic research. We look forward to seeing you in San Diego.

Registration

The attached registration form should be forwarded with payment based on the following: For university, non-profit and Government participants the fee will be: \$550 advance registration, postmarked or submitted by 2 November 2009. \$650 late advance registration, postmarked or submitted after 2 November 2009. \$750 on-site in San Diego. For industry participants the fee will be: \$775 advance registration, postmarked or submitted by 2 November 2009. \$875 late advance registration, postmarked or submitted after 2 November 2009. \$975 on-site in San Diego. For students (Pre-Ph.D - Requires a letter of certification from your Dept. Chairperson), the subsidized fee will be: \$375 advance registration, postmarked or submitted by 2 November 2009. \$425 late advance registration, postmarked or submitted after 2 November 2009. \$475 on-site in San Diego. For the weekend rate (university, non-profit, gov't) which includes Saturday & Sunday, the subsidized fee will be: \$400 advance, postmarked or submitted by 2 November 2009. \$450 late advance, postmarked or submitted after 2 November 2009, \$500 on-site in San Diego. For the weekend rate (industry) which includes Saturday & Sunday, the subsidized fee will be: \$500 advance, postmarked or submitted by 2 November 2009. \$550 late advance, postmarked or submitted after 2 November 2009, \$600 on-site in San Diego. All checks should be made out to: Scherago International/Plant Genome. Payments can be made by credit card (VISA/MasterCard) or wire transfer to: Chase Bank, 36A East Midland Ave, Bldg 1, Paramus, NJ 07652 USA. ABA# 021-000-021/Swift Code: CHASUS33 - Call Scherago/Account Name - Scherago International/Plant & Animal Genome. **DO NOT SEND CHECKS TO Chase Bank. ALL CHECKS/PAYMENTS MUST BE IN U.S. DOLLARS DRAWN ON A US BANK.** We can also accept registrations through the internet (by credit card) via our web site located at www.intl-pag.org.

Cancellation Policy: All cancellations must be received in writing by Scherago International by December 2, 2009 in order to receive a refund. A \$50 processing charge will be applied to all refunds. After December 2, 2009 no refunds will be issued.

Registration includes one copy of the final program & abstract book, early morning continental breakfast, morning coffee breaks, afternoon coffee and soda, Sunday evening Opening Welcome Reception and Wednesday evening Banquet dinner. Coffee and soda breaks will take place in the exhibit hall. Continental breakfast will be set up in the Atlas & Grand Foyer each morning and lunch will be served on the Mission Patio Monday, Tuesday and Wednesday.

Exhibits

The exhibition is open to commercial companies offering appropriate equipment and services used by scientists and researchers involved in genetic research. The importance of the project and its requirements for the latest in genetic research equipment, supplies and services will make the exhibit a significant contribution both to scientists and the companies that serve the scientific community.

Exhibit hours:

Sunday	January 10	3:00pm - 8:30pm (Reception)
Monday	January 11	9:30am - 5:00pm
Tuesday	January 12	9:30am - 5:00pm

Poster Session/Abstract Submissions

Participants are invited to submit abstracts for the poster session. All abstracts will be reviewed by the conference chairpeople and accepted based on the subject matter. Accepted abstracts from registered attendees **ONLY** will be included in the final program and presented in the exhibit hall. Space is limited. **POSTER BOARD USABLE SPACE AT THE MEETING IS 3 FEET 10 INCHES (1.17 METERS) HIGH BY 2 FEET 10 INCHES (.86 METERS) WIDE.** Abstracts will be accepted on a first come, first served basis. The abstract deadline is October 2, 2009. All abstracts must be submitted electronically via the PAG website at www.intl-pag.org

Computer Room Organizer: Noel Yap (ivy1@cornell.edu)

It is planned that several dozen computers will be available for E-mail, telnet and web access. Please contact Noel Yap should you wish to demo any computer system and/or present an "electronic" poster during the meeting. Electronic posters will still require a "normal", printed abstract form, which can be obtained from

Scherago International. **Please note that any software which is demonstrated at the PAG Conference must be available to the scientific community.**

Hotel

Accommodations will be available at the Town & Country Hotel, 500 Hotel Circle North, San Diego, CA 92108. Tel: 1-619-291-7131 Fax: 1-619-291-3584 (15 minutes from San Diego/Linburgh Airport). **The special PAG conference room rate is \$151 per night single or double (plus tax).** To insure these rates, all reservations must be received by **December 4, 2009.** **Online hotel reservations can be done via the PAG website at www.intl-pag.org.** However, if you prefer to contact the hotel directly the phone number to call for reservations is: 800-772-8527 or 619-291-7131. Be sure to indicate you are calling about the Plant & Animal Genome Conference to secure the discounted convention rate. **High speed internet access will be available in all rooms for \$5 per day.**

Visas

Due to severe delays in getting visas to enter the US, we recommend that you plan ahead and do NOT wait for your abstract acceptance. **You should allow up to 6 months to complete the process. DO NOT WAIT.** For more information about obtaining a US visa, please visit <http://www.unitedstatesvisas.gov>. The Organizing Committee is offering assistance should you need a letter of invitation to facilitate the application process. Send your requests to Hans Cheng (hcheng@msu.edu).

Local Travel, Shopping, Food

The Fashion Shopping Mall, located behind the hotel has a wide variety of shopping and stores. There are also a number of restaurants located in this mall, most of which are inexpensive.

There is a trolley line connecting the Fashion Valley Mall and downtown San Diego. The trolley makes it easy for conference attendees to go to downtown San Diego, as well as to other locations on the San Diego trolley system (such as south to the Mexican border). Trolley passes are available for \$5.00 per day at the trolley station.

Employment/Placement Opportunities

Two message boards will be set aside in the foyer area. These message boards will be for posting of job openings and for those looking for positions in the plant and animal genome fields.

Scherago International Student Travel Grants

Scherago International will be sponsoring the plant genome student travel grant awards of \$350 each. This year there will be four (4) travel grants. For details please contact Dr. Douglas Bigwood by e-mail (intl.pag.xvi.grants@gmail.com). The deadline for applying for these travel grants is **October 2, 2009.** The Scherago student travel grants will be presented at the Wednesday evening dinner. All students who receive travel grant awards will also receive their registration fee paid for by Scherago International.

Michael D. Gale Travel Grant Award:

In honor of one of the PAG meeting founders and leaders in the plant genome community, Scherago International is sponsoring the Michael D. Gale travel grant award. This award is for one travel grant award of \$1000 to an international plant genome researcher who has NOT previously attended a PAG meeting. Applicants must submit a poster paper and one letter of recommendation from your department/office in order to be considered for this award. The application deadline is 2 October, 2009. To apply, please fill out the Michael D. Gale Travel Grant Awards Application Form on the PAG website. The award will be presented at the Wednesday evening dinner.

Neal A. Jorgenson Genome Travel Awards

Partial funding (\$525 travel award and complimentary registration from Scherago International) for graduate student (not postdoc) travel to PAG is available. Graduate students should contact the relevant Species Coordinator (pig, cattle, sheep, poultry, horse). The application should consist of a letter requesting why the award is being sought and a printed copy of the student abstract. **The application deadline is October 2, 2009.**

Jerome P. Miksche Travel Grant Award

Scherago International again is sponsoring the Jerome P. Miksche travel grant award. This award is for one travel grant award of \$1,000 to an international plant genome researcher who has NOT previously attended a PAG Conference. Applicants must submit a poster paper and one letter of recommendation from your department/office in order to be considered for this award. **The application deadline is October 2, 2009.** For details, please contact Dr. Douglas Bigwood (intl.pag.xvi.grants@gmail.com). The award will be presented at the Wednesday evening closing banquet. To apply, please submit the poster and send the letter of recommendation to Dr. Bigwood.