

Held in conjunction with



7th International Symposium  
on Rice Functional Genomics



Rice Annotation Project 6 Workshop

6th International  
Rice Genetics  
Symposium



16-19 November 2009 Manila Hotel, Manila, Philippines

To be opened by Her Royal Highness Princess Maha Chakri Sirindhorn  
One of the World's biggest and most important rice research conferences  
Expecting more than 700 top international scientists and researchers

**Key Topics include:**

- Evolutionary genetics
- Genome structure
- Functional genomics
- Developmental genetics
- Abiotic stress genetics
- Disease and insect resistance
- Grain quality and nutrition
- Yield and heterosis
- Breeding applications



**Local organizing committee:**

David Mackill	Abdelbagi Ismail
Hei Leung	Ken McNally
Darshan Brar	Casiana Vera Cruz

**ISRFG organizing committee:**

Hei Leung	Emmanuel Guideroni	Venkatesan Sundaresan
Gynheung An	Hirochika Hirohiko	Qifa Zhang
Apichart Vanavichit	Ko Shimamoto	Antonio Oliveira
Bin Han	Narayana Upadhyaya	
David Ho	Rod Wing	

**Organizer:**



**Co-Organizer and Secretariat:**



**Official Media**



**Supporting Media**



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**Robert S. Zeigler**  
Director General  
International Rice Research Institute

Dear Fellow Researchers and Scientists,

The 6th International Rice Genetics Symposium is one of the world's biggest and most important rice research conferences. Adding to its scope and significance, this event will be held in conjunction with the 7th International Symposium on Rice Functional Genomics. The four-day event builds on the excitement generated by rapid advances in rice genomics and its potential benefits to food security and the international rice industry. **More than 700** top international scientists and researchers from around the world are expected to attend.

The symposium comes at a key time for the international rice industry, which is under unprecedented pressure caused by record high prices and major production challenges. It provides an important forum for reviewing the latest advances in rice research, how recent breakthroughs could affect global food security, and in-depth discussion and exchange of information on classical genetics and genomics. This major event will showcase the latest developments in the field, including research on breeding, mapping of genes and quantitative trait loci, identification and cloning of candidate genes for biotic and abiotic stresses, gene expression, and genomic databases and mutant induction for functional genomics.

I welcome all rice research professionals to the 6th International Rice Genetics Symposium held in conjunction with 7th International Symposium on Rice Functional Genomics and Rice Annotation Project 6 Workshop (RAP6).



### Success of the Rice Genetics Symposium



*This is the Sixth International Rice Genetics Symposium in the series of symposia held by IRRI every 4-5 years. The first international symposium held in 1985 led to the birth of the Rice Genetics Cooperative (RGC) for promoting international collaboration. The same year, the Rockefeller Foundation established the International Program on Rice Biotechnology, which has played a major role in advancing the frontiers of knowledge on cellular and molecular genetics of rice, international collaboration, and human resource development. In the second symposium, a unified system of numbering rice chromosomes and linkage groups was adopted. The orientation of classical and molecular maps was one of the many highlights of the third symposium. The fourth symposium brought together **520** rice scientists from 32 countries and provided an excellent forum for scientists from developed and developing countries to share information on the latest advances in rice science and to develop collaborative research projects. The fifth symposium attracted more than **700** rice scientists from 43 countries and covered a wide range of topics from classical genetics to the most advanced research on gene isolation and functional genomics.*

## Day One - Sunday, 15 November 2009

0900 - 1700 Arrival and registration

0900 - 1700 The Rice Annotation Project 6 (RAP6) Workshop  
Blast Network Meeting  
*(Separately Bookable)*

## Day Two - Monday, 16 November 2009

1000 - 1050 Opening remarks  
Special Presentation by HRH Princess Sirindhorn of Thailand

### Plenary 1 – Opening Session

1050 - 1125 Role of rice genetics in poverty alleviation  
**Monty Jones**  
*Forum for Agricultural Research in Africa, Ghana*

1125 - 1200 The future of rice genomics: Sequencing the Collective Oryza  
Genome  
**Rod Wing**  
*University of Arizona, USA*

1200 - 1315 Lunch

### Plenary 2 Session

1315 - 1350 Leveraging model angiosperm genomics for the understanding  
and improvement of orphan cereal crops  
**Jeff Bennetzen**  
*University of Georgia, USA*

1350 - 1425 Exploring the genetic diversity of rice  
**Susan McCouch**  
*Cornell University, USA*

1425 - 1500 High throughput resequencing of the rice genome to study  
TE-related genome dynamics in grasses  
**Olivier Panaud**  
*U. Perpignan, France*

1500-1530 Coffee Break

1530-1605 Activation tagging for stress tolerance and  
plant nutritional traits  
**Gyn An**  
*Pohang University, Korea*

1605 - 1640 Developmental dynamics of small RNAs in rice  
**Venkatesan Sundaresan**  
*University of California-Davis, USA*

1640 - 1715 Iron uptake and loading in the rice grain  
**Naoko Nishizawa**  
*The University of Tokyo, Japan*

1715 - 1915 International Rice Functional Genomics Consortium  
business meeting

1915 Conference Dinner

## Day Three - Tuesday, 17 November 2009

### Plenary 3 Session

0820 - 0855 Next generation sequencing to discover the genome diversity  
of rice germplasm

**Bin Han**

*Chinese Academy of Sciences, Beijing, China*

0855 - 0930 Function of histone modification in rice epigenetic regulation

**Daoxiu Zhou**

*Université Paris, France*

0930 - 1005 Innate immunity in rice

**Ko Shimamoto**

*Nara Institute of Science and Technology, Japan*

1005 - 1025 Coffee Break

1025 - 1100 Genetics and mechanism of tolerance to flooding

**Julia Bailey-Serres**

*University of California-Riverside, USA*

1100 - 1135 Salt and drought stress signaling pathways

**Jian-Kang Zhu**

*University of California-Riverside, USA*

1135 - 1210 GA signaling pathways for yield traits in rice

**Makoto Matsuoka**

*Nagoya University, Japan*

1210 - 1300 Lunch

1300 - 1500 Poster session 1

1500 - 1750 Concurrent Sessions

#### **Concurrent 1**

Evolutionary genetics

Convener: **Michael Purugganan**

Co-convener: **Ken McNally**

#### **Concurrent 2**

Genome structure

Convener: **Nori Kurata**

Co-convener: **Darshan Brar**

#### **Concurrent 3**

Disease and insect resistance

Convener: **Shiping Wang**

Co-convener: **Casiana Vera Cruz**

#### **Concurrent 4**

Abiotic stress tolerance

Convener: **Julia Bailey-Serres**

Co-convener: **Abdelbagi Ismail**

2000 - 2200 Evening Workshops

## Day Four - Wednesday, 18 November 2009

### Plenary 4 Session

0820 - 0855 Wild species: a valuable genetic resource for rice breeding and genomics research

**Darshan Brar**

*IRRI, Philippines*

Sponsored by



Bayer CropScience

0855 - 0930 Heterosis and yield potential in rice

**Qifa Zhang**

*Huazhong Agricultural University, Wuhan, China*

0930 - 1005 Molecular breeding strategies for cereals

**Sandra Milach**

*Pioneer, Iowa, USA*

1005 - 1025 Coffee Break

1025 - 1100 Advances in the integration of genomics into breeding in rice

**Masahiro Yano**

*National Institute of Agrobiological Sciences, Tsukuba, Japan*

1100 - 1135 Unravelling the molecular mechanism of resistance to the rice blast fungus

**Guoliang Wang**

*Ohio State University, USA*

1135 - 1210 Applications of genomics to rice breeding, with emphasis on transgenic crops

**Usha Zehr**

*Mahyco, India*

1155 - 1300 Lunch

1300 - 1500 Poster session 2

1500 - 1750 Concurrent Sessions

#### **Concurrent 5**

Translational genomics

Convener: **Andy Pereira**

Co-convener: **Ajay Kohli**

#### **Concurrent 6**

Developmental genetics

Convener: **Srinivasan Ramachandran**

Co-convener: **Hei Leung**

#### **Concurrent 7**

Grain quality and nutrition

Convener: **Matthew Morell**

Co-convener: **Melissa Fitzgerald**

#### **Concurrent 8**

Breeding applications

Convener: **A.K. Singh**

Co-convener: **Parminder Virk**

## Day Five - Thursday, 19 November 2009

0645

Depart for IRRI field tour in Los Baños



## Branding Opportunities

Want to take your brand further?

The 6<sup>th</sup> International Rice Genetics Symposium and 7th International Symposium of Rice Functional Genomics provide an excellent platform to promote your organization to international scientists, influential players and specially invited government personnel in the region.

### Enjoy benefits like

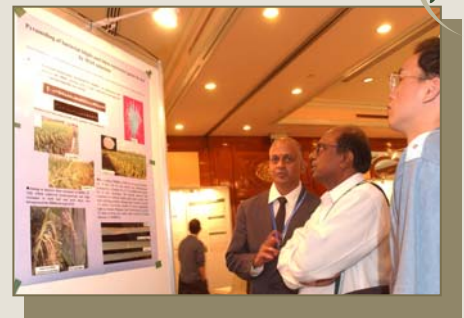
- Prominent visibility to a highly targeted audience
- Exclusive networking opportunities with specially invited government personnel and key international scientists
- Opportunity to showcase value propositions and demonstrate idea leadership
- Increase of sales, market, and mind share
- Generate goodwill and build rapport with national leaders
- Maximum exposure and pre-publicity from a comprehensive and targeted marketing and promotions campaign

Sponsorship and booth opportunities available. Be seen at this prestigious event of the year! Contact Ms Violet Yong at +65 - 6517 3005 or email: [secretariat@ricegenetics.com](mailto:secretariat@ricegenetics.com) for more information.

## Call for Poster Presentations

*Submission deadline: 28 August 2009*

Take advantage of the opportunity to present your research and ideas in front of KEY Global Rice Research Professionals. All presenters will enjoy full access to the event including all conference sessions, evening workshops, coffee and luncheon breaks, field tour to IRRI at Los Baños and the exhibition for three full days. Submit poster entry NOW at [www.ricegenetics.com](http://www.ricegenetics.com)



# Exciting Event Activities

## Rice Annotation Project 6 Workshop (Separately Bookable)

**Day One, Sunday, 15 November 2009**

### Background

Upon completion of the rice genome DNA sequencing c.a. 2003, a follow-up rice genome data analysis project called the "Rice Annotation Project" led by Japan, was established. Since knowledge of the DNA "sequence" did not automatically establish its biological function, the RAP meetings were convened to develop the technical issues of computer-driven analysis and data management ("bioinformatics") relating to inferring and cataloging the identity and biological functions of the active elements ("genes") in the genome.

IRRI is now pleased to host the sixth such workshop, RAP6, to be held in the Manila Hotel on November 15th as a satellite meeting of the International Rice Genetics and Rice Functional Genomics Symposia.

### International Scientific Organizing Committee

- Takashi Gojobori, National Institute of Genetics, Japan
- Takuji Sasaki, National Institute for Agrobiological Sciences, Japan
- Rod Wing, Arizona Genomics Institute, USA
- Olivier Panaud, University of Perpignan, France
- Tatiana Tatusova, National Center for Biotechnology Information, USA
- Pankaj Jaiswal, Oregon State University, USA
- Richard Bruskiewich, International Rice Research Institute, Philippines

For further information about the Rice Annotation Project, please visit <http://rapdb.dna.affrc.go.jp/>



Rice Annotation Project 6 Workshop

Supported by



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### Conference Dinner

**Day Two, Monday, 16 November 2009**

This exclusive evening, specially for all attendees, promises abundant opportunities for knowledge exchange and networking and will feature a special program.

### Evening Workshops

**Day Three, Tuesday, 17 November 2009**

Knowledge sharing workshops, chaired by leading experts, are organised specially for delegates who will benefit from the in depth discussion on special topics in rice genetics.



### Field Tour

**Day Five, Thursday, 19 November 2009**

An exclusive field tour of IRRI in Los Baños will highlight the institute's field and laboratory experiments and guarantees a comprehensive and detailed field experience for the delegates.

### Exhibition

**Day Two to Four, 16-18 November 2009**

The exhibition will showcase the latest technology and introduce potential customers to new products. It offers an international platform for great networking and market penetration opportunities within the rice industry.



# Registration Form

16 - 19 November 2009 • Manila Hotel, Manila, Philippines

### EASY WAYS to REGISTER

Online : [www.ricegenetics.com](http://www.ricegenetics.com)  
Email : [secretariat@ricegenetics.com](mailto:secretariat@ricegenetics.com)  
Phone : +65 6319 2668  
Fax : +65 6319 2669  
Mail : **IIR Exhibitions Pte Ltd**  
205 Henderson Road, #03-01  
Henderson Industrial Park,  
Singapore 159549

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z M

If undelivered, please return to: 205 Henderson Road #03-01 Henderson Industrial Park, Singapore 159549

Yes, I/We will like to register for (please tick)

Event	Standard (per person)	Package includes
<input type="checkbox"/> 6 <sup>th</sup> International Rice Genetics Symposium & 7 <sup>th</sup> International Symposium on Rice Functional Genomics 16-18 November 2009	US\$ 350	<ul style="list-style-type: none"> <li>• 1 Conference Delegate Pass</li> <li>• Access to Exhibition Area</li> <li>• Coffee and Luncheon Breaks during the Conference</li> <li>• Conference Materials</li> <li>• Conference Dinner on 16 Nov 2009</li> <li>• Field Tour on 19 Nov 2009</li> </ul>
<input type="checkbox"/> Rice Annotation Project 6 (RAP 6) Workshop 15 November 2009	US\$ 50	<ul style="list-style-type: none"> <li>• 1 RAP6 Workshop Pass</li> <li>• Coffee and Luncheon Breaks</li> <li>• Post-Meeting Cocktail Reception during the Workshop</li> <li>• Workshop Materials</li> </ul>

Will you be interested to sponsor?  Yes  No

Will you be interested to exhibit?  Yes  No

### Personal Details

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Postal code: \_\_\_\_\_ Country: \_\_\_\_\_ Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

	Title	Name	Job Title	Tel	Mobile	Email	*Field Tour	*Evening Workshops
Contact Person								
Approving Manager								
1 <sup>st</sup> Delegate								
2 <sup>nd</sup> Delegate								
3 <sup>rd</sup> Delegate								
4 <sup>th</sup> Delegate								

\*Complimentary event activities for 6<sup>th</sup> International Rice Genetics Symposium attendees only. Please tick to indicate your interest to attend. We will update you with more details and activities and confirm your attendance nearer to the event day.

### Payment Options: Please tick your card type

Credit Card:  Visa  Mastercard

Credit card will be charged in SGD based on the prevailing exchange rates. Additional 2.5% administrative charge is applicable.

Card Holder: \_\_\_\_\_ Card number: \_\_\_\_\_

Payable amount in US\$: \_\_\_\_\_ Expiry date: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Please advise other payment options

### Payment Terms

Payment is due in full upon booking. Full payment is mandatory for admission to the event.

Event Venue	Accommodation	Visa
Manila Hotel One Rizal Park Roxas Boulevard Manila, Philippines 1099  Tel: (632) 527-0011 Fax: (632) 527-0022 to 24 Website: <a href="http://www.manila-hotel.com.ph">www.manila-hotel.com.ph</a>	Special room rates are available for 6 <sup>th</sup> International Rice Genetics Symposium's participants, please find more information in our event website, <a href="http://www.ricegenetics.com">www.ricegenetics.com</a>	Please make the necessary arrangements for your Visa. For more details, please refer to our website at <a href="http://www.ricegenetics.com">www.ricegenetics.com</a>

### Terms and Conditions

**Substitution / Cancellation** : If you are unable to attend, a substitute delegate is welcome in your place at no extra charge. If this is not possible, registrations cancelled more than 45 days before the event date will incur a 50% cancellation fee. Registrations cancelled less than 45 working days before the event date must be paid in full.

**Program Change Policy** : Due to unforeseen circumstances, the program may change and IRRRI reserves the right to alter the venue and/or speakers.