



# Program

## Arnel R. Hallauer International Symposium on Plant Breeding

17-22 August 2003  
Mexico City

# PROGRAM



**Arnel R. Hallauer  
International Symposium  
on Plant Breeding**

17- 22 August 2003  
Mexico City, Mexico

## Sunday 17 August

- Arrivals Airport welcoming committee  
*Airport/Hotel Camino Real*
- 14:00-18:00 Symposium registration  
*Lobby Calders*
- 19:00-20:00 Welcome cocktails  
*Lobby Calders*  
Dinner (*on your own*)

## Monday 18 August

- 07:00-08:30 Breakfast  
*Salon del Sol*
- 07:30-09:00 Symposium registration  
*Lobby Calders*
- 09:00-17:00 Poster session A  
*Salon Oaxaca*

### **Morning session sponsored by Pioneer, a DuPont subsidiary**

**Chair: Masa Iwanaga**

Venue: Salon Chapultepec

- 09:00-09:15 Welcome and opening address  
—*Masa Iwanaga*
- 09:15-09:30 Plant breeding, food, and health  
—*Catherine Woteki*
- 09:30-10:05 Plant breeding: Feeding the world and  
enhancing natural resources  
—*Norman E. Borlaug*
- 10:05-10:40 Plant breeding: Past, present, and future  
—*Theodore Crosbie*
- 10:40-11:15 Coffee break (registration continued)  
*Salon Foyer Friedeberg*
- 11:15-11:50 Who are plant breeders, what do they do, and why?  
—*James G. Coors*
- 11:50-12:25 Social and environmental benefits from  
plant breeding  
—*Donald Ouvick*
- 12:25-14:00 Lunch (*on your own*)

### **Afternoon session sponsored by Pioneer, a DuPont Subsidiary**

**Chair: Catherine Woteki**

Venue: Salon Chapultepec

- 14:00-14:40 Defining and achieving plant breeding goals  
—*Arnel R. Hallauer and Shivaji Pandey*
- 14:40-15:20 Genetic resources and plant breeding  
—*Steve Kresovich and Alexandra Casa*
- 15:20-15:45 Coffee break  
*Salon Foyer Friedeberg*
- 15:45-16:25 Breeding for cropping systems  
—*Charles Brummer*
- 16:25-17:05 Participatory plant breeding  
—*John Witcombe and Daljit Virk*

17:05-17:45 Discussion  
Dinner (*on your own*)

### **Evening session**

**Moderators: Mauricio Bellon and Daljit Virk**

Venue: Salon Piscina

19:30-21:30 Seminar session: Participatory approaches to developing and delivering improved cultivars

## **Tuesday 19 August**

07:00-08:30 Breakfast  
*Salon del Sol*

09:00-17:00 Poster session A  
*Salon Oaxaca*

### **Morning session sponsored by Syngenta**

**Chair: John Schoper**

Venue: Salon Chapultepec

09:00-09:40 Plant breeding education  
—*Elizabeth Lee and John Dudley*

09:40-10:20 Principles of plant breeding  
—*James Holland*

10:20-10:35 Coffee break  
*Salon Foyer Friedeberg*

10:35-11:15 Integrating relevant tools and information for more efficient plant breeding  
—*Howie Smith and Mark Cooper*

11:15-11:55 Genotype by environment: Basics and beyond  
—*Fred van Eeuwijk*

11:55-12:20 Discussion

12:20-14:00 Lunch (*on your own*)

### **Afternoon session**

**Chair: Theodore Crosbie**

Venue: Salon Chapultepec

14:00-14:40 Application of comparative genomics to crop improvement  
—*Mark Sorrells*

14:40-15:20 The final frontier?: Dissecting the genetics of yield potential in wheat  
—*John Snape*

15:20-15:45 Coffee break  
*Salon Foyer Friedeberg*

15:45-16:25 Perspectives on finding and using quantitative disease resistance genes in barley  
—*Patrick M. Hayes*

16:25-17:05 Breeding for resistance to abiotic stresses in rice  
—*David MacKill*

17:05-17:45 Discussion  
Dinner (*on your own*)

**Evening session sponsored by Pioneer,  
a DuPont subsidiary**

**Moderators: Marianne Bänziger and David Bergvinson**

Venue: Salon Piscina

19:30-21:30 Seminar session: Breeding for stress tolerance

## **Wednesday 20 August**

### **CIMMYT Field Day**

- 05:30-6:45 Breakfast  
*Salon del Sol*
- 06:45 Meet in front of *Salon Chapultepec*
- 07:00 Bus departure to CIMMYT Headquarters, El Batán  
*Leibnitz Street*
- 08:30 Welcome by *Masa Iwanaga*, announcements by  
*David Beck*, and group photograph
- 09:00-12:20 CIMMYT field visit
- 12:20-14:00 Luncheon  
—Speech by *Masa Iwanaga*  
*Guesthouse gardens*
- 14:15 Board buses for visit to Teotihuacan Pyramids or  
return to Hotel Camino Real  
*Front housing area*
- 16:15 At Pyramids, board buses for Hotel Camino Real  
*Parking lot (behind Pyramid of the Sun)*  
Dinner (*on your own*)

## **Thursday 21 August**

- 07:00-08:30 Breakfast  
*Salon del Sol*
- 09:00-17:00 Poster session B  
*Salon Daxaca*

### **Morning session sponsored by BASF**

**Chair: Surinder Vasal**

Venue: Salon Chapultepec

- 09:00-09:40 Genetic improvement of cross-pollinated plant  
species: Achievements, challenges, and questions  
—*Michael Lee*
- 09:40-10:20 The concept of heterotic groups: Historical and  
biological origins  
—*William F. Tracy*
- 10:20-10:35 Coffee break  
*Salon Foyer Friedeberg*
- 10:35-11:15 Hybrid and open-pollinated cultivars  
in modern agriculture  
—*Kevin Pixley*
- 11:15-11:55 Genetic structure in open-pollinated  
populations of Corn-Belt dent maize  
—*Kendall R. Lamkey*
- 11:55-12:20 Discussion
- 12:20-14:00 Lunch (*on your own*)

## **Afternoon session**

**Chair: Sanjaya Rajaram**

Venue: Salon Chapultepec

- 14:00-14:40 Breeding vegetatively propagated crops  
—*Rodomiro Ortiz*
- 14:40-15:20 Genetic improvement of trees  
—*Wout Boerjan*
- 15:20-15:35 Coffee break  
*Salon Foyer Friedeberg*
- 15:35-16:15 The origins of fruit culture and fruit breeding  
—*Jules Janick*
- 16:15-16:55 Sugarcane genomics and breeding  
—*Andrew Paterson*
- 16:55-17:30 Discussion
- 20:00 Pre-dinner cocktails  
*Salon Foyer Friedeberg*
- 20:30 Symposium dinner  
—Guest of honor: *Arnel R. Hallauer*  
—Master of Ceremonies: *Julien de Meyer*  
*Salon Chapultepec*

## **Friday 22 August**

- 07:00-08:30 Breakfast  
*Salon del Sol*
- 09:00-17:00 Poster session B  
*Salon Oaxaca*

### **Morning Session sponsored by Monsanto**

**Chair: Marianne Bänziger**

Venue: Salon Chapultepec

- 09:00-09:40 Breeding for tolerance to abiotic stresses  
—*Gregory Edmeades*
- 09:40-10:20 Breeding for tolerance to biotic stresses  
—*Ravi Singh*
- 10:20-10:35 Coffee break  
*Salon Foyer Friedeberg*
- 10:35-11:15 Breeding and genetics of forage quality  
—*Michael D. Casler*
- 11:15-11:55 Breeding for grain quality  
—*Paul Scott*
- 11:55-12:20 Discussion
- 12:30-14:00 Lunch (*on your own*)

### **Afternoon session sponsored by Monsanto**

**Chair: Kendall R. Lamkey**

Venue: Salon Chapultepec

- 14:00-14:40 Reflections on cyclic hybridization  
in maize using ÒZÓ lines  
—*Fidel Mtrquez-Sfnchez*
- 14:40-15:20 Short- and long-term goals: The life of  
a maize breeder  
—*Thomas Hoegemeyer and Kendall R. Lamkey*

- 15:20-15:45 Breeding exotic maize germplasm  
—*Javier Betrán*
- 15:45-16:25 Development of a heterotic pattern in red flint maize  
—*Guillermo Eyherabide*
- 16:25-17:05 Coffee break  
*Salon Foyer Friedeberg*
- 17:05-17:45 Closing ceremony  
—*Ganesan Srinivasan*  
Dinner (*on your own*)

## **Saturday 23 August**

- 07:00-08:30 Breakfast  
*Salon del Sol*  
Departures

**NB:** The CIMMYT office is located in Salon Taxco and is open from 8:00 to 18:00 Monday to Friday. BTI Travel Service staff are located in Lobby Calders from 7:00 to 19:00 throughout the week. Posters should be removed from Salon Oaxaca by 17:00 on Friday 22 August.







**CIMMYT**<sup>MR</sup>

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