— Presentations —

Prof Bikram Gill,  
*Kansas State University, US*
Introgressing genes from tetraploid wheats

Prof John Snape,  
*John Innes Centre, England*
Techniques for dissecting the genetic contributions of synthetics to wheat improvement using precise genetic stocks

Prof Mark Sorrells,  
*Cornell University, US*
Dominant male-sterile populations for association mapping and introgression of synthetic wheat germplasm

Prof Richard Trehowman,  
*CIMMYT, Mexico*
Synthetic hexaploid derivatives improve bread wheat adaptation globally.

Dr Mujeeb Kazi,  
*CIMMYT, Mexico*
(to be announced)

Prof Gerald Halloran,  
*University of Melbourne, Australia*
*Triticum tauschii* in the natural and artificial synthesis of hexaploid wheat

Prof Rudi Appels,  
*Murdoch University, Australia*
The impact of synthetic wheats in Australia: some early drivers and successes

Prof Peter Langridge,  
*Australian Centre for Plant Functional Genomics*
What do technologies at ACPFG have to offer synthetic wheat researchers?

Assoc. Prof Daryl Mares,  
*University of Adelaide, Australia*
Synthetics as sources of improved noodle colour and colour stability

Dr Richard Brettell,  
*GRDC, Australia*
Delivering research benefit to growers - GRDC perspective

Dr Francis Ogbonnaya,  
*SynERGE, Department of Primary Industries Victoria, Australia*
SynERGE - A platform offering improved germplasm, genetic resources and tools to wheat breeders and researchers

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**Synthetic Enriched Resources for Genetic Enhancement**

1st Synthetic Wheat Symposium  
September 4 - 6, 2006
Department of Primary Industries – Horsham  
Victoria - Australia

— Program —

Organized by:
Francis C. Ogbonnaya and Maarten van Ginkel

The theme for the Symposium is “Synthetics for wheat improvement”. The theme is centered around constituent ancestral species, genetic diversity, development and utilization of primary synthetics and synthetic derivatives, resistance/tolerance to biotic/abiotic stress, quality traits, and application in breeding.

**Local Organizing Committee**
Intiaz Muhammad, Erica Martin, Jayne Wilson, Jacinta Bull, Kate E. Adams
— Presentations —

Dr Evans Lagudah, CSIRO, Australia
Synthetic hexaploids: potential and realities

Dr Russell Eastwood, Australian Grain Technology
Experiences with synthetics in a commercial wheat breeding program.

Dr John Thompson, Primary Industries Queensland, Australia
Resistance to root-lesion nematodes from synthetic hexaploid wheats

Dr Harbans Bariana, The University of Sydney, Australia
Diversity of rust resistance in synthetic hexaploids

Dr Fernanda Drecce, CSIRO Queensland, Australia
Physiology of drought adaptive traits in synthetic wheats

Dr Kolumbina Mrva, University of Adelaide, Australia
Late maturity alpha-amylose (LMA) in synthetic wheats

Dr Yuri Shavrukov, Australian Centre for Plant Functional Genomics
Screening for sodium exclusion and preparation of parental lines for cross-
ing to reconstruct synthetic wheat

Dr. Tony Gregson, “Farmer”
Invited guest speaker at the conference dinner

— General Information —

The conference welcome reception will be held on Sunday, September 3, 2006 at 5.00-7.00 p.m. Conference days will begin at 8:30 am each morning and end at 5:00 pm each afternoon. The conference dinner on Tuesday, September 5, will begin at 7:00 p.m. The conference will be concluded on Wednesday, September 6 at 1.00 pm. A detailed program will be distributed at registration.

Location
All program sessions of the Symposium will be held at the Grains Innovation Park, Horsham. Horsham is approximately 300 km (3-1/2 hours by car) from the Melbourne Airport and 450 km (4-1/2 hours) from Adelaide.

Accommodations
Rooms are being held for conference participants at the following motels. Reservations should be made before August 15, 2006 to receive the discounted rate. Attendees should make their own arrangements with the motel, specifying that they are part of the Synthetic Wheat Symposium group.

Interested in Shared Accommodation:
Contact Kate Adams, if you are interested in sharing a room with another participant. She will provide you with a list of other participants who have requested similar information.

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**Registration**
Registration will begin at 8:30 am on Monday, September 4, 2006 and will continue till 10.00 am. No registration fee will be charged.

**Conference Dinner**
There will be no charge for the conference dinner on Tuesday, September 5, 2006.

**Field Trip**
The field trip will take participants to the plant breeding centre Horsham, on the afternoon of September 5, 2006, where synthetic wheat trials are grown to evaluate traits such as yield, drought, pre-harvest sprouting, salinity and diseases.

**Transportation**
Limited morning and evening shuttle service will be provided from the motel to the Symposium venue (Grains Innovation Park).

**Travel Information**

**Transportation to Horsham**
Detailed information on how to rent a car, catch a bus from Melbourne to Horsham or from Adelaide to Horsham can be obtained from Kate Adams at the email address listed below. Alternatively information is also available at:

**Sponsorships**
There are no scholarships available for participants to attend the symposium.

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**Registration Form**

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**Personal Details**

Title .................................................................Surname..............................................
First Name .........................................................(Preferred name for name badge) ..............................................
Organisation ...........................................................
Address ........................................................................
City .................................................................State ............................................. Postcode ............
Country ........................................................................
Phone (Office) .....................................................Fax (Office) ..........................................
Email ........................................................................
Special Requests (eg dietary requirements, disability etc) ...........
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Number of additional accompanying person(s) for conference dinner:  

Please send the registration form to kate.e.adams@dpi.vic.gov.au.
The deadline for registration is June 30, 2006.

Send the electronic copy of your presentation abstracts to:  
Muhammad.Initiaz@dpi.vic.gov.au on or before June 30.