

# Developing New Sources of Durable Wheat Rust Resistance

May 23-24, 2007

**Accommodations:** Radisson University Hotel-Minneapolis, 615 Washington Avenue S.E., Minneapolis Minnesota 55414. Please reserve your own room.

**Objective:** Review the project objectives and activities. Develop a coordinated project timeline with milestones and budget.

## Participant expectations:

- Team leaders and critical team members meet to review each project activity
- Identify and elaborate the timelines and milestones for each of the technologies (conventional and biotechnological) and strategies relevant to the problem
- Develop a coordinated timeline with milestones and budget for each activity within each objective.

## Agenda

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**Chair:** Ronnie Coffman

**Facilitator:** Frank Shotkoski

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**May 23<sup>nd</sup>**

### Technology Review

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08:00–08:05 am	Opening remarks	Ronnie Coffman
08:05–08:30 am	Welcome address	Norman Borlaug
08:30–08:45 am	Framework for the discussions	Rob Horsch
08:45–09:00 am	An overview of the objectives, activities and teams	Frank Shotkoski
09:00–09:15 am	Tracking of pathogens	Rick Ward
09:15–09:30 am	<i>Puccinia graminis</i> Pathology	Les Szabo
09:30–09:50 am	Socioeconomic Monitoring and Assessment	Kamel Shideed
09:50–10:10 am	Coffee Break	
10:10–10:40 pm	Breeding to produce rust resistant wheat varieties	Ravi Singh
10:40–11:00 am	Accelerated seed provisions to counter near term threat	Zewdie Bishaw
11:00–11:15 am	Screening and gene discovery in wheat landraces.....	Yue Jin
11:15–11:45 am	Marker development and optimization	Mark Sorrells
11:45–12:15 am	Mapping novel sources of rust resistance and separating useful resistance genes away from deleterious linkage drag	Steven Xu
12:15–12:30 pm	Critical screening facilities in East Africa	Rick Ward
12:30–02:00 pm	Lunch	
02:00–02:20 pm	Comparative genomics and bioinformatics	Katrien Devos
02:20–02:40 pm	Comparative genomics using model systems .....	Tesfaye Mengiste
02:40–03:00 pm	Screening mutant rice lines.....	Hei Leung
03:00–03:20 pm	Wheat rice addition lines followed by non-homoeologous recombination	Darshan Brar
03:20–03:40 pm	Validation of rust resistance genes in wheat	Steve Scofield
03:40–04:00 pm	Coffee Break	
04:00–04:20 pm	Central database.....	Dave Matthews
04:20–04:40 pm	Training in support of project activities	Ronnie Coffman
04:40–05:00 pm	Funding expansion work plan	Rob Horsch

Dinner at Ron Phillips place

**May 24<sup>rd</sup>**

08:00–10:00 pm	Break-out sessions for each objective	Group Discussions
10:00–10:30 am	Coffee Break	
10:30–12:30 pm	Break-out sessions for each objective	Group Discussions
12:30–02:00 pm	Lunch	
02:00–04:00 pm	Summary reports	Team Leaders
04:00–05:00 pm	Overall Summary / Next Steps / Timetable	Frank Shotkoski
Dinner	Fogo de Chão	

**May 25<sup>th</sup>**

departures