

## Breeding with Markers Agenda

### Tuesday February 14th, 2012

Start	Topic	Speaker
8:00 AM	Registration and refreshments	
8:30 AM	Course objectives	Allen Van Deynze (UC Davis)
8:35 AM	Types of DNA markers and assays	Allen Van Deynze
9:25 AM	Marker development	Allen Van Deynze
10:10 AM	<b>Break</b>	
10:30 AM	DNA marker quality	Allen Van Deynze
11:10 AM	Dissecting quantitative traits	Allen Van Deynze
12:00 PM	<b>Lunch</b>	
1:00 PM	Marker-assisted backcrossing	Rale Gjuric (UC Davis)
1:35 PM	Variety identification and hybridity	Allen Van Deynze
2:10 PM	The effect of population structure on linkage	Allen Van Deynze
3:10 PM	<b>Break</b>	
3:30 PM	Software and databases for molecular markers	Allen Van Deynze
4:10 PM	Integration of markers in wheat breeding	Jorge Dubcovsky (UC Davis)
5:00 PM	<b>Sponsor showcase and social</b>	

### Wednesday February 15th, 2012

8:00 AM	Coffee and refreshments	Meet at Conference Center
8:10 AM	Move to computer labs	
8:30 AM	Gbrowse-navigating genomes	Allen Van Deynze
9:15 AM	BLUPS-optimizing data	David Francis (The Ohio State Univ.)
10:00 AM	<b>Break</b>	
10:20 AM	Geneflow: hands-on demonstration	Edie Paul (GeneFlow inc.)
11:50 AM	<b>Lunch</b>	
1:00 PM	Genome selection: Basics and experience in animal sys	Alison Van Eenennaam (UC Davis)
1:55 PM	Marker-assisted breeding vs genome selection	Allen Van Deynze
2:50 PM	<b>Break</b>	
3:10 PM	Genomic selection in Tomato Breeding	David Francis
4:05 PM	Molecular breeding for disease resistance	Richard Michelmore (UC Davis)