

Symposium Program

Events will occur in the CH2M Hill Alumni Center, OSU

Date and Time	Program	
Wednesday July 29		
5:00 - 7:00 pm	Registration - Foyer CH2M Hill Alumni Center	
6:00 - 8:00 pm	Welcome Reception	
Thursday July 30		
7:30 - 8:30 am	Continental Breakfast - Poster Set-Up	
7:30 - 8:30 am	Registration - Foyer CH2M Hill Alumni Center	
8:30 - 9:10 am	Introduction	
	Presenter(s)	Title
8:30 - 8:40 am	Dr. Nahla Bassil, Plant Molecular Geneticist, USDA ARS: National Clonal Germplasm Repository	Call to order: Convening of the meeting
8:40 - 8:50 am	Dr. Rod Drew, Chair, ISHS Commission on Biotechnology	ISHS Welcome
8:50- 9:00 am	Dr. Larry Curtis, Associate Dean, College of Agricultural Sciences, Oregon State University	Oregon State University Welcome
9:00 - 9:10 am	Dr. Peter Bretting, National Program Leader, USDA-ARS	USDA-ARS Welcome
9:10 am - 12:30 pm	Session 1 - Identification and Germplasm Characterization	
	Moderator: Dr. Philip Stewart, Driscoll's	
9:10 -9:50 am (Keynote) (<i>OP01</i>)	Dr. Raffaele Testolin	Molecular Markers for Germplasm Identification and Characterization
9:50 - 10:05 am (<i>OP02</i>)	Eda Karaagac	SSR-Based DNA Fingerprinting of Potato Clones From the Pacific Northwest Potato Variety Development Program

	10:05 - 10:20 am (OP03)	Dr. J.I. Hormaza	Characterization and Recovery of Apricot Germplasm from an Old Stone Collection
	10:20 - 10:35 am (OP04)	Dr. Nahla Bassil	Microsatellite-based Fingerprinting of Western Blackberries from Plants, IQF Berries and Puree
10:35- 11:00 am		Break	
		Moderator: Dr. Nahla Bassil, Plant Molecular Geneticist, USDA-ARS, NCGR	
	11:00 - 11:15 am (OP05)	Dr. Gayle Volk	A Comprehensive Approach Toward Conserving <i>Malus</i> Germplasm
	11:15 - 11:30 am (OP06)	Dr. Rick Nipper	Sequenced RAD Markers: A SNP Discovery and Genotyping Platform
	11:30 - 11:45 pm (OP07)	Dr. Nnadozie Oraguzie	Fruit Softening in Pome Fruit - the Role of ACS Genes
	11:45 - 12:00 pm (OP08)	Dr. Tanay Joshi	Molecular Markers and Their Significance in Changing the Face of the Floriculture Industry in India
	12:00 -12:15 pm (OP09)	Dr. K. Antonius	Universal Retrotransposon Markers in Fruit and Berry Research
	12:15 - 12:30 pm (OP10)	S. Simon	REMAP as a Tool for Preliminary Grapevine Accession Screening
12:30 - 1:30 pm		Lunch	
1:30 - 4:45 pm		Session 2 - Marker-Assisted Breeding (Trait-Specific Markers)	
		Moderator: Dr. Cameron Peace, Washington State University	
	1:30 - 2:15 pm (Keynote) (OP11)	Dr. Frederick Bliss	Marker Assisted Breeding in Horticultural Crops
	2:15 - 2:30 pm (OP12)	Dr. L. Simko	Development of Molecular Markers for Marker-Assisted Selection in Lettuce (<i>Lactuca sativa</i>)
	2:30 - 2:45 pm (OP13)	Dr. Isabel Vales	Marker-Assisted-Selection for PVY Resistance in Tetraploid Potatoes
	2:45 - 3:00 pm (OP14)	Dr. R. Drew	Marker-assisted Hybridisation and Backcrossing between <i>Vasconcellea</i> Species and <i>Carica papaya</i> for PRSV-P Resistance
	3:00 -3:15 pm (OP15)	Vidyasagar Sathuvalli	Fine Mapping of Eastern Filbert Blight Resistance in Hazelnut with Markers from BAC End Sequences

3:15 - 3:45 pm	Break		
	Moderator: Dr. Shawn Mehlenbacher, Oregon State University		
3:45 - 4:00 pm (OP16)	Dr. Fabrizio Costa	Novel Possibilities for Marker-Assisted Breeding Exploiting the Apple Genome	
4:00 - 4:15 pm (OP17)	Dr. Susan Gardiner	Marker Assisted Selection in Real Life – A Case Study of Gender in Kiwifruit	
4:15 - 4:30 pm (OP18)	Daniel Edge-Garza	Marker-assisted Seedling Selection in the Washington Apple Breeding Program	
4:30 - 4:45 pm (OP19)	Dr. Cameron Peace	RosBREED: Enabling Marker-Assisted Breeding in Rosaceae	
4:45 - 5:15 pm	Break and Poster Set-Up		
5:15 - 7:30 pm	Poster Reception		
7:30 pm	Poster Take-Down		
Friday, July 31			
7:30 - 8:30 am	Continental Breakfast		
8:30 am - 12:00 pm	Session 3 - Applications of Next-Generation Sequencing		
	Moderator: Dr. Aaron Liston, Oregon State University		
8:30 - 9:15 am (Keynote) (OP20)	Dr. Todd Mockler	Applications of Next-Generation Sequencing to Molecular Analysis of Horticultural Crops.	
9:15 - 9:45 am (OP21)	Dr. D.J.G. Rees	Applications of Next-Generation Sequencing in Fruit Crops and Associated Organisms	
9:45 - 10:00 am (OP22)	Douglas W Bryant	Polymorphism Discovery Using Reference Guided Assembler (RGA)	
10:00 - 10:15 am (OP23)	Dr. Amit Dhingra	Establishing Trait-gene Relationships in Rosaceae Using Comparative Quantitative Transcriptome Profiling	
10:15 - 10:45 am	Break		
10:45 - 11:00 am (OP24)	Lise Mahoney	Mitochondrial DNA Markers and Sequencing in <i>Fragaria</i> (Strawberry)	
11:00 - 11:15 am (OP25)	Stephen C. Meyers	Characterizing the Genome of Wild Relatives of <i>Limnanthes alba</i> (Meadowfoam) Using Massively Parallel Sequencing	

	11:15 - 11:30 am (OP26)	Matthew Parks	Drowning in Data or Navigating the High Seas? Effective Utilization of Short Read Sequence Data for Comparative Genomics
	11:30 - 11:45 am (OP27)	Wambui Njuguna	Multiplexed <i>Fragaria</i> Chloroplast Genome Sequencing
	11:45 - 12:00 am (OP28)	Dr. Kahraman Gurcan	SSR Distribution in 3' UTRs of Apple, Pear, and Cherry Generated Using 454 GS Platform
12:00 - 1:15 pm		Lunch and Poster Take-Down	
1:15 - 1:30 pm		Symposium Picture	
1:30 - 5:00 pm		Conference Tour	
		OSU - Center for Genome Research and Biocomputing Core Laboratories	
		USDA-ARS, National Clonal Germplasm Repository	
		OSU- Marker Assisted Breeding at OSU in Vegetables (Dr. James Myers) and in the Hazelnut (Dr. Shawn Mehlenbacher)	
5:00 – 6:00 pm		Break	
6:00 - 10:00 pm		Banquet Dinner and Live Entertainment - Tye Winery	
Saturday, August 1			
7:30 - 8:30 am		Continental Breakfast	
8:30 am - 11:30 pm		Session 4 - Analytical Approaches and Bioinformatics	
		Moderator: Dr. Chris Richards, USDA-ARS, NCGRP	
	8:30 - 9:15 am (Keynote) (OP29)	Dr. Eric van de Weg	The Power of Pedigree Based Analysis for Identifying and Evaluating and Tracking QTLs in Multiple Breeding Populations
	9:15 - 9:30 am (OP30)	Dr. Peter Bretting	GRIN-Global: An International Project to Develop a Global Plant Genebank and Information Management System
	9:30 - 9:45 am (OP31)	Dr. Dorrie Main	GDR: Now and the Future
	9:45 - 10:00 am (OP32)	Dr. Amit Dhingra	STaR Portal: Computational Framework for Enabling Sequencing and Targeted Resequencing
10:00 – 10:30 am		Break	

10:30 -10:45 am (OP33)	Dr. Pankaj Jaiswal	Use of Genetics, Genomics and Bioinformatics Tools for Crop Improvement
10:45 - 11:00 am (OP34)	Dr. Christopher Cullis	Simultaneous Isolation and Identification of Polymorphic Simple Sequence Repeats for any Plant Species
11:00 -11:15 am (OP35)	Dr. Palitha Dharmawardhana	Poplar a Tree Model for Horticulture and Beyond: A Case Study of Genome-Scale Changes in Gene Expression During Bud Dormancy
11:15 - 11:30 pm (OP36)	Dr. Chris Richards	Diversity and the Role of Genebanks in the Age of Genomics
11:30– 12:00 pm	ISHS Business Meeting	
12:00 - 1:30 pm	Lunch	
1:30 – 5:00 pm	Session 5 - Molecular Markers in Systematics, Diversity and Evolution	
	Moderator: Dr. Amit Dhingra, Washington State University	
1:30 - 2:15 pm (Keynote) (OP38)	Dr. Douglas Soltis	The Use of Molecular Markers in Systematics and Evolution
2:15 -2:30 pm (OP39)	Dr. Thomas Davis	Chloroplast DNA Markers in <i>Fragaria</i> ; Phylogenetic Insights, Patterns of Geographic Diversity, and Mode of Transmission
2:30 - 2:45 am (OP40)	Dr. Hilde Nybom	Microsatellite DNA and RT-CAPS Reveal Unique Reproduction in Dogroses
2:45 -3:00 pm (OP41)	Derick Jiwan	Phylogenetic Analysis of the Mildew Resistance Locus O in Rosaceae
3:00 - 3:15 pm (OP42)	Dr. Nnadozie Oraguzie	Genetic Relationships of Iranian Apple Germplasm, Wild <i>Malus</i> Species and Representative Old Apple Cultivars Based on SSR Marker Analysis
3:15 - 3:45 pm	Break	
3:45 - 4:00 pm (OP43)	Dr. L.J. Grauke	Plastid Microsatellite Markers in <i>Carya</i>
4:00 - 4:15 pm (OP44)	Dr. Yong-Jin Park	Diversity and Population Structure Within an On-farm Collection of Japanese Apricot (<i>Prunus mume</i>) Using New Microsatellite Markers

	4:15 - 4:30 pm (OP45)	Dr. L.F. Sánchez-Teyer	Genetic Diversity of Mexican Guava Germplasm Using AFLP and SSR Markers
	4:30 - 4:45 pm (OP46)	Dr. J.F. Sánchez-Sevilla	Molecular characterization of <i>Fragaria</i> collection at Churriana IFAPA Center (Spain)
	4:45 - 5:00 pm (OP47)	Dr. Donglin Zhang	Genetic Diversity and Taxon Delineation of <i>Ilex glabra</i> (L.) Gray Using AFLP Markers
	5:00 - 5:15 pm	Closing Remarks	
		Dinner on your own, see handout brochure for options	
Sunday, August 2			
	8:45am - 5:30 pm	Post-Symposium Oregon Coast Tour	