

November 17 – 21, 2019 Tentative Program

Day 1

11/17/2019	6:00 – 8:00 p.n	6:00 – 8:00 p.m. <i>Welcome reception</i>		
Day 2 11/18/2019	8:00 a.m. 8:30 a.m. 8:45 a.m. 9:00 a.m. 9:30 a.m.	Coffee-Pastries Welcome - Sam Hutton and Gary Vallad Rob Gilbert/Nick Place (IFAS Reps Invited) Michael Schadler - Tomato Trade and Tariffs Keynote : Greg Martin, Using Natural Variation and CRISPR to Understand and Improve Tomato Disease Resistance		
	10:10 a.m.	Break		
	10:40 a.m.	Manipulation of Tomato Architecture to Allow for Mechanically Harvested Fresh-market tomatoes - Tong Geon Lee, University of Florida/IFAS Gulf Coast REC		
	11:00 a.m.	A Comparison of Whole-Genome Sequence Data Analysis Platforms to Study Solanaceae Genomes - Gurleen Kaur, University of Florida/IFAS Gulf Coast REC		
	11:20 a.m.	Modifying Wild Tomato Introgressions to Improve the Horticultural Type of Tomatoes with Genetic Control of Insects and Transmitted Virus - Martha Mutchler-Chu, Cornell University		
	11:40 a.m.	Challenges in Improving Vintage Tomato Varieties using Marker Assisted Selection and Background Genome Selection - Barbara Liedl, West Virginia State University		
	12:00 noon	Lunch		
	1:00 p.m.	Keynote : Discovery, Introgression, and Pyramiding of Disease Resistance in Tomato - David Francis, The Ohio State University		
	1:30 p.m.	Genetic Mapping and Multi-Environment Characterization of Early Blight Resistance Genotypic Selection in Cultivared Tomato - Taylor Anderson, Cornell University		
	1:50 p.m.	Development of Co-Dominant SCAR Markers for Detection of the <i>Pto</i> , <i>Tm-2</i> ² , <i>I-3</i> , and <i>Sw5</i> Genes in Tomato - Jianbo Zhang, North Carolina State University		
	2:10 p.m.	Tomato Doubled Haploid Plant Production? Yes, We Can. Wessel Holtman,		

2:30 p.m.	A Calcium Binding Protein in Xanthomonads is Involved in Elicitation of Hypersensitive Response - Shaheen Bibi, University of Florida/IFAS Dept. of Plant Pathology			
2:50 p.m.	Evaluating Associations Between <i>Xanthomonas perforans</i> Genetic Variations and Tomato Production Chain - Jeannie Klein-Gordon, University of Florida/IFAS Dept. of Plant Pathology			
3:10 p.m.	Molecular Phylogenetic Analysis of Three Alternaria spp. Collected from Tomato and Potato - Tika Adhikari, North Carolina State University			
3:30 p.m.	Association of Pathogenic Races and Fungal Effectors with Vascular Wilt of Tomato caused by <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> in Greenhouse - Tika Adhikari, North Carolina State University			
3:50 p.m.	Characterization of <i>Corynespora cassiicola</i> Isolates from Tomato Reveals a Genetically Diverse Pathogen Population across Florida - Katia Xavier, University of Florida/IFAS Gulf Coast REC			
4:10 p.m.	 Poster Session Behavorial Assays of Seven ORMI Approved Insecticides on the Biocontrol Generalist Predator, Green Lacewing, <i>Chrysoperia</i> <i>rufilabris</i> - Shyann Stewart, West Virginia State University Fruit Morphology and SNP Diversity of Three Vintage Tomato Varieties from Different Seed Companies - Sandhya Gautam, West Virginia State University Screening RIL populations for resistance to bacterial wilt - John Smeda, University of Florida/IFAS Gulf Coast REC TBD Jessica Chitwood-Brown, University of Florida/IFAS Gulf Coast REC Tomato Yellow Leaf Curl Virus Resistance in <i>Solanum</i> <i>pimpinellifolium</i> is Conferred by the <i>Ty-1/Ty-3</i> Locus and an Additional Resistance Locus (loci) - Upinder Gill, University of Florida/IFAS Gulf Coast REC Identification and Mapping of Late Blight Resistance QTLs in the Wild Tomato Accession PI 224710 (<i>Solanum pimpinellifolium</i> L.) - Majid Foolad, The Pennsylvania State University Dept. of Plant Science Understanding Mechanism of EFR Based Bacterial Wilt Resistance in Tomato - Sanju Kunwar, University of Wisconsin-Madison Mapping Quantitative Trait Loci for Bacterial Canker Resistance in Tomato - Su Subode, Using <i>Solanum galapagense</i> as a Source of Drought Resistance through Introgression Breeding and Grafting for Tomato Improvement - Sean Fenstemaker, 			
7:00 p.m.	Tomato Crop Germplasm Committee meeting (closed)			
9:00 p.m.	End of Day 2			

Day 3		
11/19/2019	8:00 a.m.	Coffee-Pastries
	8:30 a.m.	Keynote: Discovery of Bacterial Resistance Traits and
		Generation of a Tomato Variety with Immunity to Xanthomonas, Pseudomonas and Ralstonia - Alex Schultink, Fortiphyte
	9:00 a.m.	High-throughput Screen Identifies Resistance against Bacterial speck in
		Wild Tomato - Jennifer Lewis,
	9:20 a.m.	Characterization of Tomato (<i>Solanum lycopersicum</i>) Accessions for Resistance to Phylotype I and Phylotype II Strains of <i>Ralstonia</i>
		<i>solanacearum</i> species complex (RSSC) under high temperature - Sanju Kunwar, University of Wisconsin-Madison
	9:40 a.m.	Characterization and Mapping of Resistance to Target Spot
		(Corynespora cassiicola) in Wild Tomato Accessions - Edgar Sierra, University of Florida/IFAS Gulf Coast REC
	10:00 a.m.	Break
	10:30 a.m.	Genetic Characterization of Late Blight Resistance in Solanum
		pimpinellifolium Cccession PI 270443 and Deployment of Resistance in
		the Cultivated Tomato - Mengyuan Jia, The Pennsylvania State
		University
		Majid Foolad, Tomato breeding activities at Penn State
	11:00 a.m.	In vivo imaging of labeled Xanthomonas Strains Permits
		Quantification of Pathogen Growth and Assessment of Disease
		Resistance in Tomato - Eduardo Bernal,
	11:20 a.m.	Evaluation of Systemic Acquired Resistance Inducers as
		Alternatives to Copper to Manage Bacterial Spot of Tomato - Inga Meadows, North Carolina State University
	11:40 a.m.	Efficacy of Biorational Products against Bacterial Leaf Spot on Processing
	11.10 0	Tomatoes - Francesca Rotondo, The Ohio State University
	12:00 p.m.	Lunch
	1:00 p.m.	Assessing Impacts and Management Options for Stem Rot and
		Premature Vine Decline caused by <i>Fusarium falciforme</i> —A New
		Syndrome with Significant Impacts on the California Processing Tomato
	1.20	Industry - Cassandra Swett, University of California Davis
	1:20 p.m.	Application Matters! Telone II Provides Effective Root Knot and Potential Fusarium Wilt Control for Tomato Production in Florida
		- Gary Vallad, University of Florida/IFAS Gulf Coast REC
	1:50 p.m.	Grafted Tomatoes with Late Blight Resistance for the Organic Market
	-	- Paul Shoemaker,
	2:10 p.m.	Identifying the Genetic Basis of Fruit Pigmentation in the Tomato Wild
		Relative Solanum galapagense Accession LA1141 - Sean Fenstemaker,
	2:30 p.m.	Keynote: Michael Bledsoe

	3:00 p.m.	Keynote: Managing Tomato Brown Rugose Fruit Virus - An Emerging Resistance Breaking Tobamovirus Infecting Greenhouse Tomatoes Worldwide - Kai-Shu Ling, USDA- Agricultural Research Center, U.S. Vegetable Lab
	3:30 p.m.	Paul Shoemaker, TBD
	3:50 p.m.	Roundtable Discussion
	5:00 p.m.	End of Day 3
Day 4		
11/20/2019	8:00 a.m.	Coffee-Pastries
	8:30 a.m.	New Tomato Hybrids Improved for Fruit Quality and Disease Resistance at NC State University - Dilip Panthee, North Carolina State University
	8:50 a.m.	Fla. 8982, a Fusarium Wilt Race 3 and TSWV Resistant Hybrid With Heat-Tolerant Fruit Setting - Sam Hutton, University of Florida/IFAS Gulf Coast REC
	9:10 a.m.	Perspectives on Breeding for Flavor - Jay Scott, University of Florida/IFAS Gulf Coast REC
	9:30 a.m.	Keynote : Breeding Specialty Tomatoes for Improved Quality and Disease Resistance - Randy Gardner, North Carolina State University
	10:00 a.m.	Break
	10:30 a.m.	Area Reports
	11:00 a.m.	Business Meeting
	12:00 noon	Lunch
	1:00 p.m.	Molecular Breeding Workshop (open) Generation and utilization of sequence data Marker platforms and applications Things to consider when implementing genomic selection Genomic selection in strawberry Panel Discussion: Perspectives from experienced breeders/pathologists
	6:00 p.m.	Banquet
Day 5		
11/21/2019	all day	Field Tours