

DETAILED AGENDA

	Sunday, October 30, 2022
12:00pm-5:00pm	Sponsor and Poster Presenter Move-in (Orchid Ballroom III & IV)
2:00pm-7:00pm	Registration Open (Orchid Foyer)
5:00pm-6:00pm	Opening Plenary Session (Orchid Ballroom I & II) Welcome and Introductions Geoffrey Meru , UF/IFAS Tropical Research & Education Center, Homestead, FL, USA & Cecilia McGregor , Institute of Plant Breeding, Genetics and Genomics (IPBGG), University of Georgia Welcome Address Scott Angle , UF/IFAS Vice President for Agriculture and Natural Resources <i>"No More Land. No More Water. How will we feed 9 Billion+ People?"</i>
6:00pm-9:00pm	Welcome Reception (Vista Ballroom)

NOTES

Monday, October 31, 2022	
7:00am-5:00pm	Conference Registration Opens (Orchid Foyer)
7:00am-8:00am	Morning Refreshments in Poster Hall (Orchid Ballroom III & IV)
8:00am-10:00am	SESSION 1 (Orchid Ballroom I & II)
	Genetic, Genomic and Germplasm Resources
	MODERATOR: Amnon Levi, U.S. Department of Agriculture, Agricultural Research Service
8:00am	Welcome Remarks: Robert Gilbert , UF/IFAS Dean for Research and Director
8:15am	Keynote Speaker: Xingping Zhang , Peking University Institute of Advanced Agriculture Science Co-authors: Yun Deng, Xiao Chu, Yao Tian, Junqing Li <i>Using Pollen EMS Mutagenesis to Generate Mutation for Cucurbit Genetics, Genomics and Crop Improvement</i>
8:35am	Keynote Speaker: Zhangjun Fei , Cornell University <i>A Super-pangenome of Cultivated and Wild Watermelon Species</i>
8:55am	Yiqun Weng , University of Wisconsin Madison - U.S. Department of Agriculture, Agricultural Research Service Co-authors: Xuewen Xu, Ronald D. Dymerski, Yuhui Wang, Dario Copetti, Mingcheng Luo, Zhangjun Fei, Honghe Sun, Shujun Ou, Ning Jiang, Hamed Bostan, Massimo Iorizzo <i>The U.S. Processing Cucumber Genome Assembly Gy14v2.0.</i>
9:10am	Marta Pujol , Centre for Research in Agricultural Genomics Co- authors: Carlos Mayobre, Miguel Santo Domingo, Jordi Garcia-Mas <i>Introgression Lines Combining Climacteric and Non-Climacteric Melon Genomes in the Discovery of Volatile-Related Genes</i>
9:25am	Geoffrey Meru , UF/IFAS Tropical Research & Education Center Co-authors: Vincent Njung'e Michael, Shailesh Acharya, Yuqing Fu, Swati Shrestha, and Perna Sabharwal <i>RNA-seq Reveals Potential Defense Mechanisms Against Phytophthora capsici in Squash</i>
9:40am	Harry Paris , Agricultural Research Organization (Israel) Co-author: Amit Gur <i>The mf Gene from Cucurbita pepo subsp. texana in Cocozelle and Zucchini Squash, subsp. pepo</i>
10:00am-10:30am	Refreshment Break in Poster Hall (Orchid Ballroom III & IV)

	Monday, October 31, 2022 (continued)
10:30am-12:00pm	SESSION 2 (Orchid Ballroom I & II)
	Floral and Fruit Development
	MODERATOR: Catherine Dogimont, <i>National Research Institute for Agriculture, Food & the Environment</i>
10:30am	<p>Keynote Speaker: Miguel Santo Domingo, Centre for Research in Agricultural Genomics (CRAG) Co-authors: José Tomás Matus, Marta Pujol, and Jordi Garcia-Mas</p> <p><i>Fine Mapping ETHQV8.1 suggests a Role of ERF024 in Melon Climacteric Ripening</i></p>
10:50am	<p>Cecilia Martínez, University of Almería Co-authors: Gustavo Cebrián, María Segura, Yessica Iglesias, Manuel Jamilena, Dolores Garrido</p> <p><i>Novel Ethylene-Jasmonate Crosstalk Triggering Flower Opening and Unfertilized Fruit Abortion in Cucurbita pepo</i></p>
11:05am	<p>Cecilia McGregor, University of Georgia Co-authors: Lincoln Adams, Samuel Josiah</p> <p><i>The Role of QFD2.2 in Controlling Rind Thickness and Fruit Diameter in Watermelon</i></p>
11:20am	Flash Poster Presentations
12:00pm-1:30pm	Lunch (Sunset Veranda)

NOTES

Monday, October 31, 2022 (continued)	
1:30pm-3:00pm	SESSION 3 (Orchid Ballroom I & II)
Production and Quality	
MODERATOR: Angela M. Linares Ramírez, <i>University of Puerto Rico</i>	
1:30pm	Keynote Speaker: Thi Nguyen , University of Wisconsin-Madison Co-authors: Cassidy Duan, Oyindamola Akinpelu, Yassine Yahia, Xiaofen Du, Yiqun Weng <i>QTL Mapping for Fruit Quality Traits in Cucumber, Cucumis sativus</i>
1:50pm	James Shrefler , Oklahoma State University Co-authors: Eric Rebek, Tom Royer, and Carla Goad <i>Insect Exclusion Materials and Removal Timings for Managing Pests and Pollinators in Summer Squash</i>
2:05pm	Perna Sabharwal , University of Florida Co-author: Yuqing Fu, Vincent Njung'e Michael, and Geoffrey Meru <i>Yield and Horticultural Performance of Tropical Pumpkin in Florida</i>
Tolerance to Abiotic Stress	
MODERATOR: Cecilia McGregor, <i>University of Georgia</i>	
2:20pm	Keynote Speaker: Dennis Katuuramu , U.S. Department of Agriculture, Agricultural Research Service Co-authors: Amnon Levi, and W. Patrick Wechter <i>Genome-wide Association Study for Cold Stress Tolerance in Citron Watermelon</i>
2:40pm	Mark Arney , Executive Director, Watermelon Promotion Board <i>U.S. Consumers Attitudes Toward Watermelon: Watermelon Board Research Overview</i>
3:00pm-3:30pm	Refreshment Break in Poster Hall (Orchid Ballroom III & IV)
CROP SPECIFIC MEETINGS	
3:30pm	CUCUMBER - Acacia I Chair: Yiqun Weng, <i>University of Wisconsin Madison - U.S. Department of Agriculture, Agricultural Research Service</i>
3:30pm	WATERMELON - Acacia II Chair: Amnon Levi, <i>U.S. Department of Agriculture, Agricultural Research Service</i>
3:30pm	SQUASH - Acacia III Chair: Angela Linares Ramírez, <i>University of Puerto Rico</i>
3:30pm	MELON - Acacia IV Chairs: Marisa Gómez-Guillamón, <i>Spanish Council for Scientific Research & Ana Pérez de Castro, Universitat Politècnica de València</i>
5:30pm-7:30pm	FORMAL POSTER SESSION (Orchid Ballroom III & IV)
7:00pm-8:00pm	CUCURBITS GENETICS COOPERATIVE MEETING (Acacia V & VI)

Tuesday, November 1, 2022	
7:00am-8:30am	Conference Registration Opens (Orchid Foyer)
7:00am-8:00am	Morning Refreshments in Poster Hall (Orchid Ballroom III & IV)
8:00am	Board Buses and Depart Hotel (Hotel Front Entrance)
8:00am-1:00pm	FIELD TOURS (All Day & Includes Lunch)
Tour Stops	Join us as we take a tour through the following South Florida locations: Sakata Seed America Barnett-Partin Plants Inc. Oakes Farm
1:00pm-2:30pm	Lunch (Sunset Veranda)
3:00pm-4:00pm	CUCURBITS CROPS GERMLASM COMMITTEE MEETING (Acacia V & VI)
Wednesday, November 2, 2022	
7:00am-5:30pm	Conference Registration Opens (Orchid Foyer)
7:30am-8:30am	Morning Refreshments in Poster Hall (Orchid Ballroom III & IV)
8:30am-10:00am	SESSION 4 (Orchid Ballroom I & II)
8:30am	Diamond Sponsor Company Presentations
	Cucurbit Pathology/ Entomology I
	MODERATOR: Kishor Bhattarai, <i>HM Clause</i>
8:45am	<p>Keynote Speaker: Sarah Hind, University of Illinois Co-authors: Rikky Rai, Kayla Vittore, Julius Pasion, Maria Malvino, Jonathan Mason, Salisu Sulley, Mohammad Babadoost</p> <p><i>Development of Genomic Resources for X. cucurbitae, the Causal Agent of Bacterial Spot of Cucurbits</i></p>
9:05am	<p>Mohammad Babadoost, University of Illinois Co-authors: Salisu Sulley, Abbasali Ravanlou, Sita Thapa, Xiaoyue Zhang, Qiong Liu, Yali Huang, Sarah Hind</p> <p><i>Research Updates on Developing Strategies for Management of Xanthomonas cucurbitae, Incitant of Cucurbit Bacterial Spot</i></p>
9:20am	<p>Ales Lebeda, Palacky University Co-authors: Eva Křístková, and Božena Sedláková</p> <p><i>Differential Set for Determination of Virulence Variation (Races) of Cucurbit Downy Mildew (Pseudoperonospora cubensis)</i></p>
9:35am	<p>Susannah Da Silva, UF/IFAS North Florida Research & Education Center Co-authors: Mathews L. Paret, Bob Hochmuth, Fanny B. Iriarte, Benjamin Broughton, Pamela D. Roberts, William W. Turechek</p> <p><i>Evaluation of MELCAST System in the Management of Important Watermelon Diseases in North Florida</i></p>
9:50am	Conference Group Photo (Pool Grande Staircase)
10:00am-10:30am	Refreshment Break in Poster Hall (Orchid Ballroom III & IV)

Wednesday, November 2, 2022 (continued)	
10:30am-12:00pm	SESSION 5 (Orchid Ballroom I & II)
	Cucurbit Pathology/ Entomology II
	MODERATOR: Ales Lebeda, <i>Palacky University</i>
10:30am	<p>Keynote Speaker: Shaker Kousik, U.S. Department of Agriculture, Agricultural Research Service Co-authors: Bidisha Chanda, Mihir Mandal, Jennifer Ikerd, Mysore Sudarshana, William Turechek, Scott Adkins</p> <p><i>Identifying and Confirming Resistance to Whitefly-Transmitted Cucurbit Leaf Crumple Virus in Watermelon Using Infectious Clones</i></p>
10:50am	<p>Bill Wintermantel, U.S. Department of Agriculture, Agricultural Research Service Co-author: Shaonpius Mondal</p> <p><i>Seasonal Prevalence and Spread of Whitefly-transmitted Viruses in Western United States Melon Production Regions</i></p>
11:05am	<p>Amirudeen Abdul Kader Jailani, UF/IFAS North Florida Research & Education Center Co-author: Mathews L. Paret</p> <p><i>Recombinase Polymerase amplification-based Lateral Flow Test for Rapid Detection of Cucurbit Leaf Crumple Virus</i></p>
11:20am	<p>Rebecca Melanson, Mississippi State University Co-author: William M. Wintermantel</p> <p><i>A New Working Group to Address Emerging Viruses in Cucurbits</i></p>
11:35am	Lifetime Achievement Award
12:00pm-1:30pm	Lunch (Sunset Veranda)

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Wednesday, November 2, 2022 (continued)	
1:30pm-3:00pm	SESSION 6 (Orchid Ballroom I & II)
Resistance to Pest and Diseases I	
MODERATOR: Sandra Branham, <i>Clemson University</i>	
1:30pm	<p>Keynote Speaker: Catherine Dogimont, National Research Institute for Agriculture, Food and the Environment Co-authors: Aimeric Agaoua, Vincent Rittener, Christelle Troadec, Cécile Desbiez, Abdelhafid Bendahmane, Frédéric Moquet</p> <p><i>Identification of a New Mechanism of Resistance to Potyvirus Involving Intracellular Vesicle Formation in Melon</i></p>
1:50pm	<p>Ana Montserrat Martin-Hernandez, Centre for Research in Agricultural Genomics (CRAG) Co-author: Núria Real</p> <p><i>Resistance to Cucumber Mosaic Virus in Melon: Localization of the Vacuolar Protein Sorting 41</i></p>
2:05pm	<p>Zahi Paz, Limagrain Co-authors: Emanuel Cohen, Imri Ben-Israel, Ohad Yogev, Yossi Buskila</p> <p><i>ToLCNDV Resistance in Melon and Cucumber</i></p>
2:20pm	<p>Bazgha Zia, Clemson University - U.S. Department of Agriculture, Agricultural Research Service Co-authors: Yiqun Weng, Feifan Chen, Amnon Levi, Matthew A. Cutulle, Kai-Shu Ling</p> <p><i>Identification and Characterization of Genetic Resistance to Cucumber Green Mottle Mosaic in Cucumber and Watermelon</i></p>
2:35pm	<p>Purushothaman Natarajan, West Virginia State University Co-authors: Padma Nimmakayala, Venkata Abburi, Carlos Lopez-Ortiz, Amnon Levi, Todd Wehner, Umesh K. Reddy</p> <p><i>Whole-genome Scanning Using QTL-SEQ and GWAS for Gummy Stem Blight Resistance in Watermelon</i></p>
2:50am	Discussion
3:00pm-3:30pm	<p>Refreshment Break in Poster Hall Sponsor and Poster Presenter Move-out <i>(Sponsor and poster displays must be removed by 5:00pm)</i> (Orchid Ballroom III & IV)</p>

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Wednesday, November 2, 2022 (continued)	
3:30pm-4:50pm	SESSION 7 (Orchid Ballroom I & II)
	Resistance to Pest and Diseases II
	MODERATOR: Ana Pérez de Castro, <i>Universitat Politècnica de València</i>
3:30pm	<p>Keynote Speaker: Feifan Chen, University of Wisconsin Madison Co-authors: Yuhui Wang, Anthony P. Keinath, Yiqun Weng</p> <p><i>Genetic Architecture of dm4.1 Major-effect QTL for Downy Mildew Resistance in WI7120 (PI 330628) Cucumber</i></p>
3:50pm	<p>Sandra Branham, Clemson University Co-authors: Venkata Ganaparthi, Pat Wechter, Shaker Kousik, Young-Hoon Park, Todd Wehner, Angela Davis, Antonia Tetteh, Sue Hammar, Rebecca Grumet, Amnon Levi</p> <p><i>Extreme-Phenotype Genome-Wide Association Study of Powdery Mildew Race2W Resistance in the USDA Citrullus Germplasm Collection</i></p>
4:05pm	<p>Venkat Ganaparthi, Clemson University Co-authors: Sandra Branham, Amnon Levi, Shane Robinson, Melanie Katawczik, Patrick Wechter</p> <p><i>Mapping and Validation of QTLs Imparting Fon Race 2 Resistance in Watermelon</i></p>
4:20pm	<p>Safa Alzohairy, Michigan State University Co-authors: Bethany M. Moore, Raymond Hammerschmidt, Shin-Han Shiu, Mary Hausbeck</p> <p><i>Lignin Biosynthesis Gene Expression is Associated with Age-related Resistance of Winter Squash to Phytophthora capsici</i></p>
4:35pm	<p>David E. Perla, Michigan State University Co-authors: Mary Hausbeck, Zachary D. Hayden</p> <p><i>Commercial Hard Squash Cultivars Exhibit Differences in Resistance to Phytophthora Fruit and Crown Rot</i></p>
5:00pm-6:00pm	Business Meeting (Orchid Ballroom I & II)
6:00pm-8:00pm	CLOSING DINNER (Mangrove Poolside)

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