

## PROGRAMME 22/06/2015

### MONDAY 22

8:30 – 10:00

Registration

10:00 – 10:30

Welcome

Alejandro Pérez Pastor. *Director of the Higher Technical School of Agricultural Engineering of the Technical University of Cartagena (UPCT)*

Daniel Leskovar. *Chair of the ISHS Section Vegetables, Quality Production Systems, Leafy Green and Non-Root Vegetables - ISHS Representative*

María L. Gómez-Guillamón, IHSM-UMA-CSIC, Spain. *Convener - CSIC Representative*

Francisco Pérez-Alfocea, CEBAS-CSIC, Spain. *Convener - CSIC Representative*

10:30 – 16:30

#### ORAL SESSION 1 – GENETICS AND BREEDING

**Chair: Yaakov Tadmor**

**Co-Chair: James D. McCreight**

10:30 – 11:10

Keynote speaker: Nurit Katzir, ARO, Israel  
*Unraveling genetic factors that underlie melon fruit quality traits by using NGS-based QTL mapping*

11:10 – 11:50

Keynote speaker: Emilio Sarria, Rijk Zwaan, Spain  
*Global challenges for the future of watermelon breeding*

11:50 – 12:10

*S1.1 Revealing the identity of the watermelon 'Y' locus*  
Yaakov Tadmor

12:10 – 12:30

*S1.2 Cucurbita rootstocks : From random crosses to rational breeding*  
Roni Cohen

12:30 – 12:50

*S1.3 Lycopene biosynthesis key genes expression and related hormone in different ploidy watermelon*  
Liu Wenge

12:50 – 13:10

*S1.4 Appraisals on the utility of pumpkin cross combinations as the rootstocks of grafted melon*  
Zhilong Bie

13:10 – 15:10

**Lunch**

15:10 – 15:30	<i>S1.5 Origin Of The Dessert Watermelon, Citrullus Lanatus</i> Harry S. Paris
15:30 – 15:50	<i>S1.6 Status of bitter gourd breeding at AVRDC - The World Vegetable Center</i> Narinder P.S. Dhillon
15:50 – 16:10	<i>S1.7 Molecular Mapping and Candidate Gene Analysis for Numerous Spines on the Fruit of Cucumber</i> Zhang Shengping
16:10 – 16:40	<b>Refreshment break</b>
16:40 – 18:30	Poster Session
19:00 – 22:00	Social Events - Tour around the historic centre of Cartagena - Group picture - Cocktail at 'Edificio CIM' offered by the Technical University of Cartagena
<b>TUESDAY 23</b>	
9:00 – 12:30	<b>ORAL SESSION 2 – GENOMICS AND BIOTECHNOLOGY</b>  <b>Chair: Catherine Dogimont</b> <b>Co-Chair: Rafael Perl-Treves</b>
9:00 – 9:40	Keynote speaker: Zhangju Fei, Boyce Thompson Institute for Plant Research, Unites States <i>Genomics of watermelon</i>
9:40 – 10:20	Keynote speaker: José Blanca, COMAV, Spain <i>The genome of Cucurbita pepo, a tool for breeders</i>
10:20 – 10:40	<i>S2.1 Development of ZYMV-Resistant Watermelon Lines Using Genomic Tools</i> Amnon Levi
10:40 – 11:30	<b>Coffee break</b>
11:30 – 11:50	<i>S2.2 Plant-pathogen interactions controlled by the Fom-1-Prv locus of melon</i> Rafael Perl Treves
11:50 – 12:10	<i>S2.3 Functional analysis of Mlo genes in powdery mildew resistance in melon</i> Catherine Dogimont
12:10 – 12:30	<i>S2.4 Effects of Genotypes and Irradiation Doses on Haploid Embryo Induction and Plant Production in Bottle Guard [Lagenaria siceraria (Malign) Stanley]</i> Nebahat Sari

12:30 – 18:40	<p><b>ORAL SESSION 3 – CROP PRODUCTION, PHYSIOLOGY AND MANAGEMENT</b></p> <p><b>Chair: Warley Marcos Nascimento</b>  <b>Co-Chair: Roni Cohen</b></p>
12:30 – 13:10	<p>Keynote speaker: Yiqun Weng, USDA-ARS, University of Wisconsin, United States  <i>Cucumber applied genomics – where we are five years after release of cucumber draft genome</i></p>
13:10 – 13:20	<p>Announcement of Cucurbits 2018, U.S. James D. McCreight</p>
13:20 – 15:20	<p><b>Lunch</b></p>
15:20 – 16:00	<p>Keynote speaker: Manuel Jamilena, Universidad de Almería, Spain  <i>Agronomic traits regulated by ethylene in zucchini squash: from sex determination to postharvest quality of fruit</i></p>
16:00 – 16:30	<p><i>S3.1 Using computerized image analysis for evaluation of squash seed quality</i>  Invited speaker: Warley Marcos Nascimento</p>
16:30 – 16:50	<p><i>S3.2 Decreasing the temperature in the greenhouse does not necessarily reduce the yield of cucumber</i>  Hans-Peter Klaering</p>
16:50 – 17:10	<p><i>S3.3 Melon production in the Province of Murcia (SE Spain)</i>  Juan A. Fernández</p>
17:10 – 17:30	<p><i>S3.4 Evaluation of two potential Cucumis spp. resources for grafting melons</i>  Belén Picó</p>
17:30 – 18:00	<p><b>Refreshment break</b></p>
18:00 – 18:20	<p><i>S3.5 Pollen drying and storage for hybrid seed production of cucumber (Cucumis sativus)</i>  Endah Retno Palupi</p>
18:20 – 18:40	<p><i>S3.6 Isolation and characterisation of ethylene insensitive mutants from a collection of Cucurbita pepo L.</i>  Cecilia Martínez</p>
18:40 – 20:00	<p>Poster Session</p>
<p><b>WEDNESDAY 24</b></p>	

8:00 – 20:00	<p>Full day technical visit</p> <ul style="list-style-type: none"> <li>- Field visit to 'Agrícola Perichán' (cucumber growing in greenhouse)</li> <li>- Field visit to 'Pozo Sur' (watermelon growing under open field conditions)</li> <li>- Field visit and processing facilities of 'Procomel' (market leader in the cultivation and commercialization of melon)</li> </ul>
<b>THURSDAY 25</b>	
9:00 – 13:30	<p><b>ORAL SESSION 4 – ABIOTIC AND BIOTIC STRESSES</b></p> <p><b>Chair: Menahem Edelstein</b>  <b>Co-Chair: Belén Picó</b></p>
9:00 – 9:40	<p>Keynote speaker: Daniel Leskovar, Texas A&amp;M University, United States  <i>G×E×M strategies for melons in water-limited environments</i></p>
9:40 – 10:20	<p>Keynote speaker: Miguel Aranda, CEBAS-CSIC, Spain  <i>Cucurbit viruses in the Mediterranean Basin: Old friends and new threats</i></p>
10:20 – 10:40	<p><i>S4.1 Preventing entry of pharmaceuticals (carbamazepine) into the food chain by using grafted plants</i>  Menahem Edelstein</p>
10:40 – 11:00	<p><i>S4.2 Approach for determination and denomination of cucurbit powdery mildew races</i>  Ales Lebeda</p>
11:00 – 11:30	<p><b>Coffee break</b></p>
11:30 – 11:50	<p><i>S4.3 Effectiveness and mechanism of rootstock grafting to increase cucumber salt tolerance</i>  Yuan Huang</p>
11:50 – 12:10	<p><i>S4.4. Effect of saline priming in Cucurbita ficifolia Bouché seeds on germination parameters and synthesis of proline</i>  Jorge Leonardo Olave Vera</p>
12:10 – 12:30	<p><i>S4.5 Improving Cucumber Water Stress Tolerance in Saudi Arabia by Grafting</i>  Abdulaziz Rabeh Alharbi</p>
12:30 – 12:50	<p><i>S4.6 Host plant resistance in melon (Cucumis melo L.) to sweetpotato whitefly in California and Arizona</i>  James Donald McCreight</p>
12:50 – 13:10	<p><i>S4.7 Transmission efficiency of Cucumber Green Mottle Mosaic Virus via seeds, soil, pruning and irrigation water</i></p>

	Gu Qinsheng
13:10 – 13:30	<i>S4.8 Determination of Drought Tolerance Levels of Some Melon Genotypes Via Physiological Methods</i> Ozer Ayse
13:30 – 15:30	<b>Lunch</b>
15:30 – 19:20	<b>ORAL SESSION 5 – FRUIT QUALITY AND POST-HARVEST</b>  <b>Chair: Harry S. Paris</b> <b>Co-Chair: Nebahat Sari</b>
15:30 – 16:10	Keynote speaker: Jordi García-Más, CRAG, Spain <i>Application of genetic and genomic tools for the characterization of valuable agronomic traits in melon</i>
16:10 – 16:50	Keynote speaker: Antonio Monforte, IBMCP, Spain <i>The genetic control of fruit morphology in Cucumis melo L.</i>
16:50 – 17:10	<i>S5.1 Effects of pasteurization and storage time on watermelon juice quality enriched with L-citrulline</i> Encarna Aguayo
17:10 – 17:30	<i>S5.2 Molecular and biochemical mechanisms for the formation of aroma volatiles in cucurbit fruit</i> Efraim Lewinsohn
17:30 – 18:00	<b>Refreshment break</b>
18:00 – 18:20	<i>S5.3 Physicochemical characteristics of twelve pumpkin varieties grown in UK</i> Marcin Glowacz
18:20 – 18:40	<i>S5.4 Variation in glucose, <math>\alpha</math>- and <math>\beta</math>-carotene and lutein content during storage time in winter squash “type butternut”</i> Fernanda Isabel Zaccari Veiga
18:40 – 19:00	<i>S5.5 Uv-C Light Preserves Quality Of Minimally Processed Watermelon Cylinders</i> Perla Gómez Di Marco
19:00 – 19:20	<i>S5.6 Butternut squash fruit Cucurbita moschata Duch. conditioning by saline silage</i> Sanin Ortiz Grisales
19:20	ISHS Business Meeting
21:00	Gala Dinner

## FRIDAY 26

9:00 – 12:30

### **TECHNICAL WORKSHOP ‘NEW TENDENCIES IN VEGETABLE GRAFTING’ (\*)**

Organizer: Juan Carlos Gázquez Garrido, Estación Experimental de Cajamar Las Palmerillas

9:00 - 9:10

Introduction

9:10 – 9:40

*ROOTOPOWER: Past, present and future in the field of rootstock research*  
Francisco Pérez-Alfocea, CEBAS-CSIC

9:40 – 10:15

### **Section I. Latest developments of grafting techniques**

El Plantel Nursery. David Sánchez Lorden  
Natural Green Nursery. Miguel Ángel Zorrilla Lozano

10:00 – 10:15

### **Discussion**

10:15 – 10:45

Coffee break

10:45 – 12:30

### **Section II. Cucurbitaceae and Solanaceae rootstocks**

10:45 – 11:00

*Present situation and future perspectives in Cucurbitaceae rootstocks*  
Alfonso Giner Martorell, Fundación Cajamar Comunidad Valenciana

11:00 – 11:30

*Present situation and future perspectives in Solanaceae rootstocks*  
Alfredo Lacasa Plasencia, IMIDA

11:30 – 12:10

Main views from different private companies

- Monsanto / Toon Van de Ven
- Syngenta / Luis Ortega Fernández
- Intersemillas / Claudio Vidal
- Procomel / Juan Peñalver Pardo

12:10 – 12:30

### **Discussion**

Closing

**(\*) Simultaneous interpreting English<>Spanish will be provided**

12:30 – 12:45

Concluding Remarks and Symposium Closing  
Convener: Francisco Pérez-Alfocea. CEBAS-CSIC, Spain

13:00 – 16:00

Melon tasting in Torre Pacheco under the auspices of the City Hall of Torre Pacheco and lunch offered by the Organizing Committee