



# COST ACTION FA1204



## Vegetable Grafting and the Rhizosphere - TIMETABLE

14-16 September 2015 Humboldt Univ. 14195 Berlin, Lentzeallee 55-57

| Sunday, September 13, 2015 |   |
|----------------------------|---|
| All day                    | Arrivals  |
| Monday, September 14, 2015 |   |
| 08:00 – 09:00              | Registration  |
| 9:00 – 13:00               | <p><b>Session 1 Rhizosphere</b></p> <p><b>Chair: Marie Torres and Nikolai Velkov</b></p> <ul style="list-style-type: none"> <li>• <b>Welcome (chair of the COST Action; Director of the IGZ)</b></li> <li>• <b>Invited lecture. Analysis of Primary and Secondary Plant Metabolites in Root Exudates of <i>Arabidopsis thaliana</i> (Katja Witzel, IGZ, Großbeeren)</b></li> <li>• Determination of Heritability of Soil Zinc Deficiency Symptoms in Pepper (<i>Capsicum annuum</i> L.) and Mapping for Qtl/Genes Controlling Zinc Efficiency (Pinar,H., Mutlu,N. Keles,D. Ata,A. Büyükalaca,S., Turkey)</li> <li>• Screening of rootstocks able to limit arsenic uptake in melon (Stazi,S.R., Cassaniti,C., Marabottini,R. Allevato,E., Giuffrida, F., Leonardi, C., Italy)</li> <li>• Effect of reciprocal grafting on growth and development of two contrasting potato cultivars differing in nitrogen efficiency (Ulas,F., Yetisir,H., Ulas,A., Turkey)</li> <li>• Response of Cucurbit Breeding Material to Fusarium, Pythium and Meloidogyne spp. (Velkov,N., Masheva,S., Markova,D., Yankova,V., Lazarova, T., Bulgaria)</li> <li>• Grafting in France: A national survey to evaluate the complete picture of the situation (Torres,M., Herouard,C., Fournier,C., France)</li> </ul> <p><b>Coffee break</b></p> <p><b>Chair: Alfonso Albacete and Ana Pina</b></p> <ul style="list-style-type: none"> <li>• <b>Invited lecture. Microbial community in the rhizosphere (Tomislav Cernava, Techn. Univ. Graz, Austria)</b></li> <li>• Root-to-shoot jasmonic acid signalling under water deficit (de Ollas,C., Arbona,V., Gómez-Cadenas,A., Dodd,I. UK)</li> <li>• Rootstock genotype-mediated variation in xylem sap metabolite profiles of grafted tomato plants (Albacete,A., Martínez-Andújar,C., Perez-Alfocea,F., Spain)</li> <li>• Rootstock-mediated ABA signalling in salinized tomato (Martinez-Perez,A., Ferrández-Ayela,A., Sánchez-García,A.B., Albacete,A., Thompson,A.J., Pérez,J.M., Pérez-Alfocea,F., Martínez-Andújar, C. Spain)</li> <li>• Unraveling graft compatibility of scion/rootstock interactions in pepper (Penella,C., Pina,A., San Bautista,A., López-Galarza,S., Calatayud,A. Spain)</li> <li>• Inheritance and relationship of important characteristics for determination of graft incompatibility (Irisarri,X., Zhebentyayeva, T., Errea, P., Pina,A. Spain)</li> </ul> |
| 13:00 – 14:00              | Lunch   |
| 14:00 – 15:30              | Walking tour. The low energy greenhouses (ZINEG) of the HU Berlin   |
| 15:30 – 17:00              | <p><b>Session 2 Shoot/root interactions</b></p> <p><b>Chair: Smiljana Goreta Ban and Youssef Roupael</b></p> <ul style="list-style-type: none"> <li>• <b>Invited lecture: Phloem transport of proteins and miRNA (Julia Kehr, Univ. Hamburg)</b></li> <li>• Salinity stress in eggplant can be alleviated by grafting and inoculation with</li> </ul>   |
| 15:30                      |   |
| 16:00                      |   |



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|------------------------------------|--|
| 16:15                              | <p><i>Serratia marcescens</i> containing ACC-Deaminase (<u>Turhan,E., Ellialtıođlu,Ş.Ş., Kiran,S. Alverođlu,V., Kuşvuran,Ş. Ateş,Ç. Turkey</u>)</p> <ul style="list-style-type: none"> <li>Improving cadmium stress tolerance in tomato by grafting and AMF (Kumar,P., Lucini,L., <u>Rouphael,Y., Cardarelli,M., Kalunke, R.M., Colla, G., Italy</u>)</li> </ul> |
| 16:30                              | <ul style="list-style-type: none"> <li>Phenotypic Variations in Root Morphology Morphology in <i>Cucurbita</i> spp. rootstock genotypes for cucumber under low temperature (<u>Onur Karađac,O., Özbakir Özer, M., Kar, H., Dođru,M., Yetişir, H. Turkey</u>)</li> </ul>  |
| 16:45                              | <ul style="list-style-type: none"> <li>Tolerance of grafted tomato plants to virus infection (Petrov,N., <u>Balacheva,E., Stoyanova,Z., Rodeva, R. Bulgaria</u>)</li> </ul>  |
| 17:00 – 18:30                      | Parallel WG Meetings   |
| 19:30                              | Boat tour `Berlin at night` in downtown, starts at Haus der Kulturen der Welt  |
| <b>Tuesday, September 15, 2015</b> |  |
| <b>9:00 – 12:30</b>                | <b>Session 3 Plant metabolomics and fruit quality</b>  |
| <b>9:00</b>                        | <p><b>Chair: Sevilay Topcu and Dimitrios Savvas</b><br/> <b>Invited lecture. Root engineering for crop improvement using CKX technology</b><br/> <b>Eswarayya Ramireddy, Freie Univ. Berlin, Germany)</b></p>  |
| 9:30                               | <ul style="list-style-type: none"> <li>Effect of partial root-zone drying on grafted tomato (Branimir U., <u>Dumičić,G., Žanić,K., Goreta-Ban,S. Croatia</u>)</li> </ul>   |
| 9:45                               | <ul style="list-style-type: none"> <li>From Ein Tamar to Berlin: On the complicity of <i>Cucurbita</i> rootstocks (<u>Cohen,R., Edelstein,M., Elkabetz, E., Israel; Grosch,R., Förster,P., Schwarz,D. Germany</u>)</li> </ul>  |
| 10:00                              | <ul style="list-style-type: none"> <li>Rootstock influences tomato quality at different ripening stage (Giuffrida,F., <u>Cassaniti,C., Mazzaglia,A., Ragonese,F., Muratore,G., Leonardi,C. Italy</u>)</li> </ul>   |
| 10:15                              | <ul style="list-style-type: none"> <li>The green colour of the rootstock fruits affect the quality of the scion fruits (Arpaci,S., Tüzel, Y., <u>Aktas,H. Turkey; Schwarz,D. Germany</u>)</li> </ul>   |
| <b>10:30</b>                       | <b>Coffee break</b>  |
| <b>11:00</b>                       | <p><b>Chair: Antonella Verzera and Marios Kyriacou</b></p> <ul style="list-style-type: none"> <li><b>Exudation and exchange processes in the rhizosphere (Günter Neumann, Univ. Hohenheim, Stuttgart, Germany)</b></li> </ul>  |
| 11:30                              | <ul style="list-style-type: none"> <li>Emerging organic contaminants in fruits of <i>Cucumis melo</i> spp. grafted on different rootstocks (<u>Verzera,A., Cincotta,C.F., Tripodi,G. Dima,G., Paratore,A., Crinò, P., Italy</u>)</li> </ul>  |
| 11:45                              | <ul style="list-style-type: none"> <li>Rootstock effect on grafted runner bean yield and fruit quality (<u>Mourão,L., Costa,S., Brito,L.M., Ferreira,M.E., Moura,M.L. Portugal</u>)</li> </ul>   |
| 12:00                              | <ul style="list-style-type: none"> <li>Agronomic and physiological responses of tomato when ABA-deficient plant are used as rootstock (<u>Camps,F. Switzerland; Dodd,I. UK</u>)</li> </ul>   |
| 12:15                              | <ul style="list-style-type: none"> <li>Yield and quality of two melon [<i>Cucumis melo</i>] cultivars grafted on four <i>C. maxima</i> x <i>C. moschata</i> rootstocks (<u>Soteriou,G.A., Kyriacou,M.C., Cyprus</u>)</li> </ul>  |
| 12:30 – 13:30                      | Lunch  |
| 13:30 – 16:00                      | Walking tour in the Botanical Garden FU Berlin   |
| 16:00 – 19:00                      | Meeting of Steering Committee of MC  |
| 19:30                              | Barbecue at the Dahlem Campus  |



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#### Wednesday, September 16, 2015. All day technical visit

|       |  |
|-------|--|
| 8:00  | Leaving from the Best Western Hotel in 12165 Berlin-Steglitz (Albrechtstr. 2)  |
| 9:00  | • Farm Buschmann/Winkelmann ( <a href="http://www.buschmann-winkelmann.de">www.buschmann-winkelmann.de</a> )<br>cucurbitacea (pumpkin), asparagus and blueberry production |
| 10:30 | • Coffee Break   |
| 11:30 | • Leaving  |
| 13:00 | • Farm in Raddusch with greenhouse tomato cultivation ( <a href="http://www.gemuesering-spreewald.de">www.gemuesering-spreewald.de</a> )                                   |
| 14:30 | • Coffee Break   |
| 16:00 | • Tour through the Spreewald ( <a href="http://www.spreewald.de">www.spreewald.de</a> )  |
| 18:00 | • Barbecue   |
| 20:00 | Leaving the Spreewald  |
| 21:30 | Arriving in Berlin   |

#### Thursday, September 17, 2015 : Departures

#### Poster

- 1) Alleviation of Aluminium-induced toxicity in cucumber by grafting (Rouphael,Y., Cardarelli,M., Fiorillo,A., Bernabei,G., Ferri,E., Colla,G. Italy)
- 2) The eggplants crop technology optimization by grafting (Bogoescu,M., Doltu,M., Dorin, S. Romania)
- 3) Growth, Yield and Physiologic Responses of Salt-stressed Tomato to Grafting onto Rootstocks Differing in Salt Tolerance (Dasgan,Y.H., Çoban,A., Aktug,Ö., Bahadir,S., Akhoundnejad,Y. Turkey)
- 4) Resistance Behavior of different tomato root stocks against root-knot Nematodes (Kell,K., Jaksch,T., Henning,V., Hermann,A., Schüchen,S. Germany)
- 5) Physiological and morphological responses of pepino as affected by grafting with tomato and eggplant under salt stress conditions (Ulas,A., Yetisir,H., Yamac,M. Turkey)
- 6) Surviving to salinity conditions through robust pepper rootstock (Penella,C., Landi,M., Guidi,L., Nebauer,S.G., Pellegrini,E., San Bautista,A., Remorini,D., Nali,C., López-Galarza,S., Calatayud,A. Spain)
- 7) Response of *Cucumis metuliferus* accession BGV11135 against Mi virulent and avirulent populations of *Meloidogyne* spp. and effect on fruit melon quality. (Exposito,A., López-Gómez,M., Munera,M., Giné, A., Nogales,S., Ramos,J., Pujolà,M., Achaerandio,I., Picó,B., Gisbert,C., Sorribas,F.J. Spain)



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