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# **COST Action FA1405 Annual Meeting**

**DETAILED PROGRAMME**

Ljubljana

Jan 31st - Feb 2nd 2017

[conferences.nib.si/camo2017/](http://conferences.nib.si/camo2017/)

# Tuesday, January 31st

12:00 – 14:00 REGISTRATION

13:00 – 13:10 WELCOME

13:10 – 14:50 SESSION 1 *Chairs: A. Bennett, P. Baptista*

13:10 – 13:30 **Symbionts protect aphids from parasitic wasps by attenuating herbivore-induced plant volatiles**

E. FRAGO, M. MALA, B. T. WELDEGERGIS, C. YANG, A. MCLEAN, H. C. J. GODFRAY, R. GOLS, M. DICKE

13:30 – 13:50 **Soil biota mediate the ecology and evolution of aboveground species interactions**

A. J. M. TACK

13:50 – 14:10 **Evaluation of field grown legume genotypes in response to biotic stresses**

P. MYLONA AND M. SAKELLARIOU

14:10 – 14:30 **Aphid microbiota: from ecology to metagenomics**

J. C. SIMON

14:30 – 14:50 **Integrated responses of mycorrhizas to nutritional and biotic stresses**

P. SÁNCHEZ-BEL, N. SANMARTIN, V. PASTOR, D. MATEU, M.J. POZO AND V. FLORS

14:50 – 15:30 COFFEE BREAK

15:30 – 17:30 SESSION 2 *Chairs: A. Biere, Z. Nikoloski*

15:30 – 16:10 INVITED LECTURE

**Navigating tissue-specific gene-metabolite co-dynamics activated in plants during insect herbivory**

E. GAQUEREL, D. LI, J. GULATI

16:10 – 16:30 **From virus resistance to arthropod susceptibility**

B. AGUT, J. GAMIR, J. CRUZ-MIRALLES, M. CABEDO-LÓPEZ, J. A. JAQUES, V. FLORS

16:30 – 16:50 **Sugar shipping in arbuscular mycorrhiza protects tomato plants against *Botrytis cinerea***

V. PASTOR, P. SANCHEZ-BEL, N. SANMARTÍN, D. MATEU, M.J. POZO, V. FLORS

16:50 – 17:10 **Tomato chlorosis virus infection causes repression of chloroplast related genes in tomato**

B. ÇEVİK, M. ŞAHİN-ÇEVİK, N. SAKALLI

17:10 – 17:30 **Multitasking: how a single bacterial effector protein modulates plant development and attracts insect vectors**

Z. ORLOVSKIS, A. M. MACLEAN, S. A. HOGENHOUT

18:00 – 21:00 POSTER SESSION AND DRINKS

# Wednesday, February 1st

09:00 – 10:20 **SESSION 3** *Chairs: B. Albrechtsen, F. Katagiri*

09:00 – 09:40 **INVITED LECTURE**

**Architecture and dynamics of phytohormone-induced gene regulatory networks**

S. C. M. VAN WEES, R. HICKMAN, M. C. VAN VERK, C. M. J. PIETERSE

09:40 – 10:00 **Comparison of hormonal dynamics in Brassica napus cultivars Alister and Hornet during Plasmodiophora brassicae infection**

R. VANKOVA, P. DOBREV, V. RICAROVA, S. PREROSTOVA, V. KNIRSCH, A. GAUDINOVA, B. KRAMNA, J. KAZDA

10:00 – 10:20 **Genetic mapping shows intraspecific variation and transgressive segregation for caterpillar-induced aphid resistance in maize**

V. TZIN, P.L. LINDSAY, S.A. CHRISTENSEN, L.N. MEIHLS, L.B. BLUE, G. JANDER

10:20 – 10:50 **COFFEE BREAK**

10:50 – 12:30 **SESSION 4**

*Chairs: M. Pozo, S. Van Wees*

10:50 – 11:30 **INVITED LECTURE**

**Dynamics, mechanisms, and evolution of a highly resilient plant immune signaling network**

FUMIAKI KATAGIRI, RACHEL A. HILLMER, KEISUKE MASE, AND NORIYUKI HATSUGAI

11:30 – 11:50 **Novel hormonal cross - talks in potato discovered by network analysis**

Ž. RAMŠAK, Š. BAEBLER, T. STARE, A. COLL, O. TZFADIA, K. GRUDEN

11:50 – 12:10 ***DiNAR*: web application for Differential Network Analysis and visualisation in R**

M. ZAGORŠČAK, Ž. RAMŠAK, A. BLEJEC, K. GRUDEN

12:10 – 12:30 **Insights into understanding NLP – plant membrane interaction**

T. LENARČIČ, V. HODNIK, I. ALBERT, H. BOHM, T. NÜRNBERGER, M. PODOBNIK, AND G. ANDERLUH

12:30 – 13:30 **LUNCH BREAK**

**13:30 – 14:50** **SESSION 5** *Chairs: R. Meadow, J. Razinger*

**13:30 – 14:10** **INVITED LECTURE**

**Integration of metabolite levels in large-scale models of plant metabolism**

**Z. NIKOLOSKI**

14:10 – 14:30 **Usefulness of entomopathogenic fungi and nematodes to reduction of the soil born pests in organic cultivation of strawberries**

M. TARTANUS, B. H. LABANOWSKA, E. MALUSA, L. CANFORA, C. TKACZUK, F. PINZARI AND A. CHALAŃSKA

14:30 – 14:50 **Induced resistance as a sustainable tool in integrated pest management: effects on the host, pathogen(s) and vector(s), and their interactions**

G. ROMANAZZI

**14:50 – 15:30** **COFFEE BREAK**

**15:30 – 16:20** **SESSION 6**

*Chairs: R. Meadow, J. Razinger*

15:30 – 15:50 **Acidovorax rhizobacteria mediates the effect of plant cultivar, earthworms and aphids on plant shoot and root growth**

S. E. ZYTYNSKA

15:50 – 16:20 **Is inoculation of vitroplants with endophytes a must to be included in existing micropropagation procedures?**

L. FKI, S. SYMANCZIK, A. NASRI, O. CHKIR, A. CHABANE, A. MLIKI, H.M. SHUMACHER AND N. DRIRA

**19:45:00** **CONFERENCE DINNER**

# Thursday, February 2nd

09:00 – 11:00 Parallel Working Group Meetings

11:00 – 11:30 COFFEE BREAK

11:30 – 12:30 Plenary wrap up of WG meetings

12:30 – 13:30 LUNCH BREAK

13:30 – 16:30 MC Meeting