

Scientific Committee

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Metapontum
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COST Action FA605:
**Signaling control of stress
tolerance and production of stress
protective compounds in plants.**

**INPAS (International Network of
Plant Abiotic Stress)**
<http://cost-inpas.org/>

1st WORKSHOP



Palace Hotel Matera-Italy

April 10-12, 2008

Scientific Program

Thursday 10th

16:00-19:00 **Registration**

Friday 11th

8:00-9:00 **Registration and poster set up**

9:00-9:30 **Opening ceremony**

Welcome

Rina Iannacone (Local organizer)

Antonio F. Tiburcio (Chair of COST Action)

9:30-11:10 **Work Group 1**

Chair: Laszlo Bogre

Co-Chair: Pedro Rodriguez

9:30 **Laszlo Bogre: Overview of WG1 activity**
(Expected goals and milestones of MoU to be reached). *Functional predictions for MAP kinase signalling pathways in Arabidopsis from genome-wide gene expression data*

9:50 Pedro Rodriguez

The interaction between HAB1 and SWI3B reveals a link between abscisic acid signaling and putative SWI/SNF chromatin remodeling complexes

10:10 Montserrat Pages

Drought tolerance in maize, a crop of agro-nomic importance

10:30 Hannes Kollist

SLAC1 - a central node for plant stomatal responses to multiple stress stimuli

10:50 Discussion

11:10-11:40 **Coffee Break**

11:40-13:20 **Work Group 2**

Chair: Dorothea Bartels

Co-Chair: Julio Salinas

11:40 Dorothea Bartels: Overview of WG 2 activity. (Expected goals and milestones of MoU to be reached). *Signalling pathways controlling abiotic stress regulated transcription: current status and future approaches*

12:00 Julio Salinas

Functional characterization of RC11A, a new

12:20 *regulator of cold acclimation in Arabidopsis*

Pekka Heino

ERD15—A negative regulator of ABA responses modulates abiotic and biotic stress tolerance in Arabidopsis

12:40 Sergio Mauro

Exploring the role of protein sumoylation in the reactive oxygen gene network

13:00 **Discussion**

13:20 **Lunch**

15:00-17:00 **Poster session WG1 and WG2**

Chairs: Laszlo Bogre and Dorothea Bartels

Co-Chairs: Pedro Rodriguez and Julio Salinas

17:00-17:30 **Coffee break**

17:30-18:30 Chair: Dorothea Bartels

Invited Keynote-Speaker: Claudia Jonak
Metabolic adaptation and signal transduction in response to high salinity

18:30-18:50 Chair: Antonio F. Tiburcio

NON-COST Invited-Speaker

Tomonobu Kusano

The polyamine spermine protects Arabidopsis thaliana from high salt- and drought-stresses

20:30 **Dinner**

Saturday 12th

8:30-10:10 **Work Group 3**

Chair: Aviah Zilberstein:

Co-Chair: Laszlo Szabados

8:30 Aviah Zilberstein: Overview of WG3 activity. (Expected goals and milestones of MoU to be reached). *Osmo-protecting metabolites and signaling - an introductory review to WG3.*

8:40 Arndt Heyer

Acclimation to low temperature in Arabidopsis thaliana

9:00 Laszlo Szabados

Proline in plants: a metabolic model for stress responses.

9:20 Kalliopi A. Roubelakis-Angelakis

Polyamine anabolism and catabolism pathways crosstalk to efficiently orchestrate PAs

homeostasis and cell responses to abiotic stress.

9:40 Gad Galili

Principal transcriptional programs regulating plant amino acid metabolism in response to abiotic stresses

10:00 **Discussion**

10:10-10:40 **Coffee break**

10:40-12:20 **Work Group 4**

Chair: Pedro Carrasco

Co-Chair: K.A. Roubelakis-Angelakis

10:40 Pedro Carrasco: Overview of WG4 activity. (Expected goals and milestones of MoU to be reached).

A possible role for spermine signalling during abiotic stress

11:00 Alain Boucherau

When polyamines meet compatible solutes in plants under stress, what are they talking about?

11:20 Riccardo Angelini

Amine oxidases: role in defence responses to abiotic stress

11:40 Hely Haggman

Polyamine metabolism and developmental stress

12:00 Discussion

12:20-12:40 **Website presentation**

Chair: Bernd Wollenweber

12:20 Svend Tveden-Nyborg

12:40-13:00 **Final Discussion**

13:00 **Lunch**

14:30-16:30 **Poster session WG3 and WG4**

Chairs: Aviah Zilberstein and Pedro Carrasco

Co-Chairs: Laszlo Szabados and K.A. Roubelakis-Angelakis

16:30-17:00 **Coffee break**

17:00-19:30 **Management Committee meeting**

19:30 **Sightseeing**

21:00 **Dinner**