

Summer School

Climate change and crop productivity

The role of plant physiology, breeding and biotechnology

12-15 June, 2018
Isola Polvese, Lago Trasimeno
(PG), Italy

VII Annual Meeting of the
Plant Genetics and Biotechnology
Network



in collaboration with the
Italian Society of Plant Biology



Centro "Cambiamento climatico
e biodiversità in ambienti lacustri
e aree umide"



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UNIVERSITÀ DEGLI STUDI
DI PERUGIA





VII ANNUAL MEETING
EUROPEAN NETWORK IN PLANT
GENETICS AND BIOTECHNOLOGY



ITALIAN SOCIETY OF
PLANT BIOLOGY

SUMMER SCHOOL

Climate Change and Crop Productivity:
the Role of Plant Physiology, Breeding and
Biotechnology



*Isola Polvese, Lago Trasimeno (PG)
June 12th-15th, 2018*

PROGRAM

Tuesday, 12th June

13:00 - 14:30 Registration of participants

14:30 - 15:00 Opening remarks - Walter Ganapini, Director, ARPA Umbria

Session I

15:00-16:00 **World climate in the next century** - *Antonello Pasini*, CNR – Institute for Atmospheric Pollution, Italy

16:00-17:00 **Understanding and improving photosynthetic carbon assimilation efficiency** - *Andreas Weber* - University of Duesseldorf, Germany

17:00-18:00 **Role of redox homeostasis in thermo-tolerance under a climate change scenario** - *Maria Concetta De Pinto*, University of Bari, Italy

18:00-18:30 General discussion

19:30 *Dinner*

Wednesday, 13th June

Session II

09:00-10:00 **Resequencing the barley exome to identify allelic variants in loci controlling plant adaptation to environment** - *Luigi Cattivelli*, CREA, Fiorenzuola

10:00-11:00 **Discovering the epigenetic memory of stress response in maize** - *Serena Varotto*, University of Padova, Italy

11:00-11:30 *Coffee break*

11:30-12:30 **Plant ecophysiological responses to simulated climate change** - *Josè Ignacio Querejeta Mercader*, CEBAS-CSIC, University of Murcia, Spain

12:30 -13:00 General discussion

13:00-15:00 *Lunch*

Session III

15:00-16:00 **Search for drought resistance genes of durum wheat** - *Silvio Salvi*, University of Bologna Alma Mater, Italy

16:00-17:00 **Plant responses to flooding** - *Pierdomenico Perata*, Scuola Superiore Sant'Anna, Pisa, Italy

17:00-18:00 **It's hard to avoid avoidance - The interaction between plants and their environment** - *Albino Maggio*, University of Napoli Federico II

18:00-18:30 General discussion

19:30 *Dinner*

Thursday, 14th June

Session IV

09:00-10:00 **Abiotic stress responses in legumes: Strategies to cope with environmental challenges** - *Maria Carlota Vaz Patto*, Universidade Nova de Lisboa, Portugal

10:00-11:00 **Insect pests and climate change** - *Christer Björkman*, Swedish University of Agricultural Sciences

11:00-11:30 *Coffee break*

11:30-12:30 **Improving photosynthetic efficiency in plants and algae for sustainable production of bio-commodities** - *Tomas Morosinotto*, University of Padova, Italy

12:30 -13:00 General discussion

13:00-15:00 *Lunch*

Session V

15:00 -18:00 Attendees' presentations

18:00 -18:20 Presentation of MS Biotech Spa - *Michele Sellitto*, Marketing Manager

18:30 *Free time and barbecue party*

Friday, 15th June

Session VI

08:00-09:00 **Xylem vulnerability to embolism: a key drought resistance trait of forest trees and crops** - *Andrea Nardini*, University of Trieste, Italy

09:00-10:00 **How high-throughput plant phenotyping can contribute to cope with climate change** - *Francesco Cellini*, Metapontum Agrobios

10:00-10:30 *Coffee break*

10:30-11:30 **Precision agriculture for a climate change scenario** - *Francesco Tei*, University of Perugia, Italy

11:30-13:30 Test for attendees and course evaluation

SCIENTIFIC COMMITTEE

Fondazione Plant G&M

Andrea Pompa

Rosa Rao

Daniele Rosellini

Claudio Schneider

Andrea Schubert

ORGANIZING COMMITTEE

Daniela Cammareri

Donata Molisso

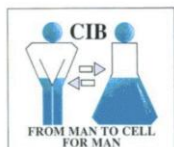
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