

Organising Committee

- CRA-Consiglio per la ricerca e la sperimentazione in agricoltura
- CINSA-Consortio Interuniversitario Nazionale per le Scienze Ambientali
- Università degli Studi di Parma
- Fondazione Parco Tecnologico Padano
- CNR-Istituto per la Protezione delle Piante

Scientific Committee

- **Elisabetta Lupotto**
CRA – Plant Biology and Crop production, Roma, Italy;
- **Giampiero Valè**
CRA - Rice Research Unit, Vercelli, Italy;
- **Nelson Marmioli**
University of Parma, Department of Life Sciences, Parma, Italy;
- **Pietro Piffanelli**
Parco Tecnologico Padano Foundation, FPTP, Lodi, Italy;
- **Gian Attilio Sacchi**
University of Milano – Department of Crop Production, Milano, Italy;
- **Paola Bonfante**
CNR - Institute for Plant Protection, Torino, Italy;
- **Vittorio Venturi**
International Centre for Genetic Engineering and Biotechnology, Trieste, Italy;
- **Adam Price**
University of Aberdeen, United Kingdom, UK;
- **Blanca San Segundo**
Centre for Research in Agricultural Genomics, CRAG, Barcelona, Spain;
- **Brigitte Courtois**
CIRAD, Montpellier, France;
- **Michele Morgante**
Istituto di Genomica Applicata, IGA, Udine, Italy;
- **Antonio Logrieco**
CNR - Institute of Sciences of Food Production, ISPA, Bari, Italy.



International Workshop

**Crop Improvement in a Changing Environment:
the RISINNOVA Project
for sustainable rice production in Italy**

**29 - 30
October 2012**

**Palazzo Cavalli Franchetti
Venezia, Italy**

Venue

Palazzo Cavalli Franchetti
S. Marco, 2842, 30124, Venezia

Contact

Conference Secretariat

- **Francesca Desiderio** (CRA-GPG)
francesca.desiderio@entecra.it
- **Mariolina Gulli** (UNIPR)
mariolina.gulli@unipr.it

*The Workshop Risinnova is held under the patronage of
Ente Nazionale Risi*



Project RISINNOVA acknowledges financial support of



Workshop Programme

Monday 29 October

- 8.30 – 9.30** Registration and poster set up
- 9.30 -10.30** **Opening – Chair: Elisabetta Lupotto (CRA, Roma, Italy)**
Prof. Giuseppe Alonzo – *Presidente CRA Consiglio per la Ricerca e la sperimentazione in agricoltura*
Prof. Nelson Marmioli - *Direttore CINSA Università degli Studi di Parma*
Prof. Paolo Cescon - *Presidente Onorario CINSA Past Director Consorzio Interuniversitario Nazionale per le Scienze Ambientali*
Prof. Gian Antonio Danielli *Presidente dell'istituto Veneto di Scienze Lettere ed Arti*
Dr. Ugo Dozzio Cagnoni - *Presidente Ager*
Autorità - interventi vari
- 10.30 – 11.30** **Chair: Nelson Marmioli (UNIPR, Parma, Italy)**
Roberto Magnaghi (*Ente Nazionale Risi*)
Rice in Italy: an economic point of view
Elisabetta Lupotto (CRA)
The RISINNOVA Project: a bridge from tradition to the future
- 11.30 – 12.00** **Keynote lecture**
Brigitte Courtois (CIRAD, Montpellier, France)
Harnessing the diversity of temperate rices: opportunities offered by sequencing developments
- 12.00 – 12.30** Discussions / Poster session
- 12.30 – 14.00** Lunch break
- 14.00 – 19.20** **Session 1. Genetic and genomic approaches for crop protection: biotic and abiotic stress resistance and adaptation**
Chair: Giampiero Valè (CRA-RIS, Vercelli, Italy)
- 14.00 – 14.30** **Antonio Logrieco (CNR-ISPA, Bari, Italy)**
"VIIFP Ue - Project MYCORED "Novel integrated strategies for worldwide mycotoxin reduction in food and feed chains"
- 14.30 – 15.00** **Keynote lecture**
Blanca San Segundo (CRAG, Barcelona, Spain)
Investigating the role of miRNAs in rice response to pathogen infection

- 15.00 – 15.20** Paolo Bagnaresi (CRA-GPG, Fiorenzuola d'Arda, Italy)
Dissection of durable blast-resistance in the rice cv. Gigante Vercelli by RNA-Seq analysis
- 15.20 – 15.40** Simona Urso (CRA-GPG, Fiorenzuola d'Arda, Italy)
Increasing blast resistance in Italian rice varieties: mapping of new disease resistance loci and marker-assisted selection
- 15.40 – 16.00** Pamela Abbruscato (FPTP, Lodi, Italy)
Genetic diversity and population structure of a large collection of Magnaporthe oryzae isolates from Italian rice field
- 16.00 – 16.20** Tea break / Poster session
- 16.20 – 16.40** Maria Aragona (CRA-PAV, Rome, Italy);
Davide Spadaro (AGROINNOVA, University of Torino, Italy)
Bakanae disease of rice in Italy: survey of incidence, identification of Fusariumfujikuroi as the major causal agent and characterization of pathogen population structure using microsatellite markers
- 16.40 – 17.00** Iris Bertani (ICGEB, AREA Science Park, Trieste, Italy)
Bacterial foot rot: an emerging rice disease; isolation and characterization of Dickeyzazeae from italian infected plants
- 17.00 – 17.10** Discussion on presentations
Chair: Gianni Sacchi (UNIMI, Milano, Italy)
- 17.10 – 17.40** **Keynote lecture**
Adam Price (University of Aberdeen, UK)
Genetics and genomic perspective related to water use in rice from the North of Scotland
- 17.40 – 18.00** Elide Formentin (University of Padova, Italy)
Mechanisms of perception and adaptation to salt stress: an initial analysis in Italian rice cultivars
- 18.00 – 18.20** Ludovico Dreni (University of Milano, Italy)
Thermal stress responses in rice
- 18.20 – 18.40** Roberto Confalonieri (University of Milano, Italy)
In silico phenotyping: evaluation of biotic and abiotic stresses on temperate rice
- 18.40 – 19.00** Mariolina Gulli (University of Parma, Italy)
Proteomic and ultra-structural analysis of rice grain
- 19.00 – 19.20** Discussion on presentations
- 21.00** Social Dinner

Tuesday 30 October

- 9.00 – 11.20** **Session 2. Genetic and functional diversity of rice-associated microbial communities**
Chair: Paola Bonfante (CNR-IPP, Torino, Italy)
- 9.00 – 9.30** **Keynote lectures**
Uta Paszkowski (University of Cambridge, UK)
Aerobic rice depends on arbuscular mycorrhizal symbiosis for phosphate acquisition
- 9.30 – 10.00** **Vittorio Venturi (ICGEB, Trieste, Italy)**
Communication in rice-associated microbial communities
- 10.00 – 10.30** **Claudia Lueke (Max Planck, Marburg, D)**
Methanogenic and methanotrophic bacrial communities in paddy soils
- 10.30 – 10.50** Valentina Fiorilli (CNR, Torino, Italy)
Dynamics of roots and AM colonization in rice plants growing in changing environmental conditions
- 10.50 – 11.00** Discussion on presentations
- 11.00 – 11.20** Coffee break / Poster session
- 11.20 – 13.00** **Session 3. Genomics and pre-breeding research**
Chair: Montserrat Pages (CRAG, Barcelona, Spain)
- Keynote lectures**
- 11.20 – 11.50** **Michele Morgante (IGA, Udine, Italy)**
Structural variation and plant genome evolution
- 11.50 – 12.20** **Luigi Cattivelli (CRA-GPG, Fiorenzuola D'Arda, Italy)**
Yield- and quality-related traits in durum wheat
- 12.20 – 12.40** Laura Casella (SA.PI.SE., Vercelli, Italy)
Genome wide association studies in a temperate rice collection
- 12.40 – 13.00** **Michele Stanca (UNASA-UNIMORE, Italy)**
Discussion and Conclusions
- 13.00 – 13.15** Best Posters Award and Closure