



# WHEATS & WOMEN International Conference

Rome, June, 14<sup>th</sup> – 15<sup>th</sup> 2018  
Marconi Hall, National Research Council (CNR)

## PROGRAMME

### Thursday 14<sup>th</sup> June

#### 9.00: **Welcome addresses**

EMILIA CHIANCONE, *President, Italian National Academy of Sciences*

ALDO CERIOTTI, *Director, IBBA, Italian National Research Council*

MASSIMO IANNETTA, *Head of ENEA Division Biotechnologies and Agroindustry*

ANDREAS BOERNER, *President Designate of EUCARPIA*

#### 10.00 **Opening lecture**

The Wheat Initiative and its role in coordinating global wheat research

ALISA-NAOMI SIEBER, *JKI, DE*

10.30 – 10.50 Coffee break

#### **Session 1: Breakthrough discoveries that will shape research on wheat**

Chairpersons: PATRIZIA GALEFFI, MICHELE MORGANTE

10.50 – 11.30 The Reference Sequence of Wheat and IWGSC Phase II: Ensuring a Full Genomics Toolbox for Wheat

HÉLÈNE BERGÈS, *International Wheat Genome Sequencing Consortium*

11.30 – 12.10 Genome engineering in wheat - from GM to Gene Editing

WENDY HARWOOD, *John Innes Centre, UK*

12.10 – 12.50 The durum wheat genome reveals the signature of 10,000 years of selection

LUIGI CATTIVELLI, *Genomics Research Centre, Council for Agricultural Research and Economics, IT*

12.50 – 13.05 Genome size reduction following allopolyploidization events in wheat

INBAR BARIAH, *Ben-Gurion University, IL*

13.05 – 14.30 LUNCH BREAK

**Session 2: New breeding approaches for sustainability and food security** Chairpersons: AMEDEO ALPI, CARLA CEOLONI

14.30 – 15.10 Wheat breeding on a global change scenario

CONXITA ROYO, *Scientific Director of The Breeding Programme, IRTA, ES*

15.10 – 15.50 Leveraging the root angle QTLome to enhance climate resilience in durum wheat  
ROBERTO TUBEROSA, *Department of Agricultural Sciences, University of Bologna, IT*

15.50 – 16.30 The Golden Gate Bridge between Wheat Research and Breeding  
VIKTOR KORZUN, *KWS LOCHOW GMBH, DE*

16.30 – 17.10 Durum ideotype for a 4 C warmer World when all farmers will be females  
FILIPPO M. BASSI, *ICARDA, MO*

17.10 – 17.25 Using wild relative introgressions for improved photosynthesis  
AMANDA BURRIDGE, *University of Bristol, UK*

17.25 – 17.40 Doubled haploid production in durum wheat (*Triticum turgidum* subsp. *Durum* desf.) by  
microspores culture, gynogenesis and interspecific hybridization  
OLFA SLAMA-AYED, *National Agronomic Institute of Tunisia (INAT), University of Carthage, TN*

### **Friday 15<sup>th</sup> June**

#### **Session 3: Improving wheat quality for processing, health and nutritional value**

Chairpersons: EMANUELE MARCONI, STEFANIA MASCI

10.00 – 10.40 Plant genetic resources for improving wheat quality  
ANDREAS BOERNER, *IPK Gatersleben, DE*

10.40 – 11.20 The nutritional value of the Triticum species  
MARINA CARCEA, *Council for Agricultural Research and Economics, IT*

11.20 – 11.50 Coffee break

11.50 – 12.05 Breeding and quality of soft-textured durum wheat  
LAURA GAZZA, *Council for Agricultural Research and Economics, IT*

12.05 – 12.20 Comparative physiological response of winter wheat varieties under fhb stress  
VALENTINA SPANIC, *Agricultural Institute Osijek, HR*

12.20 – 12.35 The carotenoid biosynthetic and catabolic genes in wheat and association with yellow pigments  
PASQUALINA COLASUONNO, *University of Bari "Aldo Moro", IT*

12.35 – 14.00 LUNCH BREAK

**Session 4: Agriculture and 2030 Agenda (the future of farming)** Chairperson: HÉLÈNE BERGÈS, ENRICO PORCEDDU

14.00 – 14.15 Genetic study of *Fusarium head blight* (FHB) resistance in durum wheat  
ANGELICA GIANCASPRO, *University of Bari "Aldo Moro", IT*

14.15 – 14.55 Towards Sustainable Food and Agriculture Systems  
ANDREA SONNINO, *ENEA DIVISION Biotechnologies and Agroindustry, IT*

14.55 – 15.35 Market-Based Value Chains and Farming Technologies  
ROBERTO RANIERI, *Openfields, IT*

15.35 – 15.50 Boosting an healthier agriculture: identification of resistance genes for durum wheat cultivars more resistant to rust diseases

ANNA MARIA MASTRANGELO, *Council for Agricultural Research and Economics, IT*

15.50 – 16.05 Polymorphisms in the A and B genome copies of the *DRF1* gene are able to cluster a collection of durum wheat lines

CRISTINA CANTALE, *ENEA DIVISION Biotechnologies and Agroindustry, IT*

16.10–17.10 **Award and Winner speech**

**Emilia Chiancone**, *President, Italian National Academy of Sciences*

**Roberto Lorenzetti**, *Director of Rieti State Archives, MiBACT*

A Representative of the Carlotta family will award the prize

Winner talk

17.10 **Conclusions**

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### **Organizing Secretariat**

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