

International Conference

# FROM SEED TO PASTA III

**A SUSTAINABLE DURUM WHEAT CHAIN  
FOR FOOD SECURITY AND HEALTHY LIVES**



FSTP3

**Bologna - Italy, 19-21 September 2018**

Conference Center Emilia Romagna Region

Via della Fiera, 8 - Bologna



[www.fromseedtopasta.com](http://www.fromseedtopasta.com)

# **FROM SEED TO PASTA III**

## **A SUSTAINABLE DURUM WHEAT CHAIN FOR FOOD SECURITY AND HEALTHY LIVES**

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CONFERENCE CENTER REGIONE EMILIA ROMAGNA

### **PRELIMINARY PROGRAM**

#### **WEDNESDAY 19 SEPTEMBER 2018**

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- 08.00 – 09.00    *Registration of participants*
- 09.00            **Opening session**  
*Welcome addresses by the organizers, national and local authorities*
- 09.30            **One century of durum wheat breeding: An Italian legacy**  
Antonio Blanco (Italy)
- 10.00            **An industrial perspective for a more sustainable and safer pasta production**  
Luca Ruini (Italy)
- 10.30            **Opening keynote**  
**Durum wheat genomics: From sequencing to breeding**  
Curtis Pozniak (Canada)
- 11.00            *Coffee break*
- 11.30 - 13.30    Session 1.**  
**Leveraging the tetraploid wheat genomes**
- 11.30            **The wild emmer wheat genome**  
Assaf Distelfeld (Israel)
- 11.50            **The durum wheat genome**  
Luigi Cattivelli (Italy)
- 12.10            **Editing the wheat genome**  
Eduard Akhunov (USA)
- 12.30            ***Rht18* Semi-dwarfism reveals a new height-reducing mechanism in wheat**  
Wolfgang Spielmeier (Australia)
- 12.50            *Lunch*

- 14.10 - 15.30    Session 2.**  
**Tetraploid wheat genetic resources for the improvement of durum and bread wheat**
- 14.10            **Signature of selection sweeps in the tetraploid wheat germplasm**  
Marco Maccaferri (Italy)
- 14.30            ***Yr15* Gene (WTK1) encodes two kinase-like protein domains and confers broad-spectrum resistance to stripe rust**  
Tzion Fahima (Israel)
- 14.50            **Harnessing wild wheat alleles to enhance yield stability and productivity of modern wheat**  
Yhoshua Saranga (Israel)
- 15.10            **Characterization of Ethiopian genetic resources for durum wheat**  
Enrico Pè (Italy)
- 15.30            *Coffee break and Poster vision*
- 16.30 – 18.30    Oral presentations selected from abstracts**

## THURSDAY 20 SEPTEMBER 2018

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### **08.30 - 11.00    Session 3.** **Enhancing yield potential and yield stability of durum wheat**

- 08.30            **Protecting yield loss through multi-pathogen resistance genes:  
Benefits to durum wheat?**  
Evans Lagudah (Australia)
- 09.20            **Stem rust resistance in durum, particularly on sources of resistance to *Ug99***  
Yue Jin (USA)
- 09.40            **Improvement for FHB resistance in US breeding programs**  
Elias Elias (USA, invited)
- 10.00            **Map-based cloning of FHB resistance QTL in durum wheat**  
Agata Gadaleta (Italy)
- 10.20            **Transational genomics to enhance durum wheat resilience to abiotic stress**  
Jason Able (Australia, invited)
- 10.40            **Genomic selection in durum wheat**  
Jose Crossa (Mexico)
- 11.00            *Coffee break and Poster vision*

### **11.30 - 12.30    Session 4.** **Managing a sustainable durum production for food security**

- 11.30            **Exploring G x E x M synergies to enhance durum wheat production**  
Brian Beres (Canada)
- 11.50            **Durum wheat nitrogen management: From monitoring to application and more**  
José Luis Araus (Spain)
- 12.10            **A decision support system for durum wheat management**  
Pierluigi Meriggi (Italy)
- 12.30 - 13.00    Oral presentations from abstracts**
- 13.00            *Lunch*

**14.15 - 16.15 Session 5.**

**A round table on durum wheat breeding to face climate change**

*Coordinated by Filippo Bassi (Morocco)*

Participants:

- Karim Ammar (Mexico)
- Filippo Bassi (Morocco)
- Pasquale De Vita (Italy)
- Ron Knox (Canada)
- Conxita Royo (Spain)
- Daria Scarano (Italy)

16.15 *Coffee break and poster vision*

**17.00 – 18.30 Oral presentations from abstracts**

## FRIDAY 21 SEPTEMBER 2018

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- 08.30 - 10.30 Session 6.  
Enhancing durum quality and healthiness**
- 8.30 **Durum wheat quality improvement at CIMMYT**  
Carlos Guzman Garcia (Mexico)
- 8.50 **RE-evolution of durum wheat by resorting the *Hardness* locus**  
Craig Morris (Canada)
- 09.10 **Celiac disease, non-celiac wheat sensitivity**  
Luud Gilissen (The Netherlands)
- 09.30 **Conventional and biotechnological approaches to improve durum healthiness**  
Stefania Masci (Italy)
- 09.50 **Bioactive compound in durum wheat**  
Marina Carcea (Italy)
- 10.10 **Durum wheat products with improved quality and nutritional value**  
Marco Gobetti (Italy)
- 10.30 *Coffee break and poster vision*
- 11.30 - 13.00 Oral presentations selected from abstracts**
- 13.00 *Lunch*
- 14.00 - 15.30 Session 7.  
From seed to pasta: An industrial round table on the innovation of durum wheat-pasta chain**  
Coordinated by Roberto Ranieri (Italy)  
Participants to be announced
- 15.30 - 16.45 Session 8.  
Opportunities and perspectives in durum wheat research**
- Global vision of durum and bread wheat research perspectives**  
Peter Langridge (Wheat Initiative)
- Round table on the PRIMA project: What role and opportunities for the durum value chain in the Mediterranean Basin?**  
Coordinator and participants to be announced
- 16.45 **Closing keynote  
A glimpse into the future of durum breeding**  
Cristobal Uauy (UK)
- 17.15 Concluding remarks & closing of the conference**