

4th VIRTUAL DURUM MEETING

21-22 April 2022



EXPERT WORKING GROUP ON DURUM WHEAT GENOMICS AND BREEDING

Contribution of Tetraploid Wheat Genetic Resources to Enhance Wheat Sustainability

Virtual Durum Meeting is a two-day webinar with 4-5 short presentations every day given in about 2 hrs followed by time for discussion. The webinar will start at 15.00h (Central European Time/Berlin Time), corresponding to morning in US and late evening in Australia.

Program:

Day 1 – (21 April 2022, h: 15.00-17.00 CET)

Chair: Luigi Cattivelli

- **Zvi Peleg** (Hebrew University of Jerusalem, Israel) Stress-induced deeper rooting introgression enhances wheat yield under terminal drought
- **Elisabetta Mazzucotelli** (CREA Research Centre for Genomics and Bioinformatics, Italy), Filippo Bassi (ICARDA, Morocco), Marco Maccaferri (University of Bologna, Italy) The international effort for GDP phenotyping: current situation and perspective
- **Matteo Dell'Acqua** (Scuola Superiore Sant'Anna, Italy) Genomics-driven breeding for Ethiopian durum wheat is supported by local agrobiodiversity and farmers' traditional knowledge (il 21 dopo le 16)
- **Angelica Giancaspro** (University of Bari, Italy) Tetraploid wheat genetic resources to enhance resistance against Fusarium head blight
- **Brande Wulff** (KAUST, Saudi Arabia) Harnessing wild wheats for their disease resistance

Day 2 - (22 April 2022, h: 15.00-17.00 CET)

Chair: Roberto Tuberosa

- **Miguel Soriano** (IRTA, Spain) Across the Mediterranean basin, a trip of 3000 years
- **Open Access grant winner: Sarrah Ben M'Barek** (Regional Field Crops Research Center of Beja, Tunisia) Exploiting Diversity to Achieve Sustainable Wheat Disease Management -case study of the durum wheat – Zymoseptoria tritici pathosystem
- **Open Access grant winner: Pablo Roncallo** (Centro de Recursos Naturales Renovables de la Zona Semiárida, Argentina) Allelic variability in a durum wheat collection for glutenin loci (Glu-1, Glu-2 and Glu-3) and its effect on quality attributes
- **Cristian Forestan, Marco Maccaferri** (University of Bologna, Italy) Characterization of the Global durum and wild relative resources for root system architecture traits and transcriptome analysis to support candidate genes for Root Growth Angle
- **Valentyna Klymiuk** (University of Saskatchewan, Canada) Discovery and identification of a partially dominant stripe rust resistance gene derived from tetraploid wheat wild relative



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