

*Durum Days 2018*  
Foggia, 16-17 Maggio 2018

**17 Maggio 2018 - Durum Science Workshop @Durum days**

***Durum wheat quality in the 2020's: genomics and management for a sustainable durum wheat nutrition.***

*The Durum Science workshop @Durum days is an International scientific workshop focused on one theme of interest for durum wheat, in its first edition about nitrogen nutrition and quality. The workshop is aimed at researchers, students, and stakeholders. Presentations are all in English, and Italian translation is Not provided. Participation is free, upon online ([www.durumdays.com](http://www.durumdays.com)) and on-site registration.*

09.00 Registration

09.30 Introduction to Durum Science Workshop @Durum Days

**Nicola Pecchioni** (CREA, Research Centre for Cereal and Industrial Crops, Foggia, Italy)

09.40 *Opening Lecture: Grain protein concentration and composition from a bread wheat perspective*

**Jacques Le Gouis** (INRA, Génétique, Diversité et Ecophysiologie des Céréales, Clermont Ferrand, France)

10.10 Molecular characterization of candidate genes involved in nitrogen metabolism and relationship with the grain protein content of wheat

**Agata Gadaleta** (Università degli Studi di Bari Aldo Moro, Dipartimento di Scienze Agro Ambientali e Territoriali, Bari, Italy)

10.35 Differences in gluten quality of durum wheat genotypes cultivated under Mediterranean environment

**Marcella M. Giuliani, Zina Flagella** (Università di Foggia, Dipartimento di Scienze Agrarie, degli Alimenti e dell'Ambiente, Foggia, Italy)

11.00 "CHN", a crop model to jointly manage water and nitrogen on winter wheat: example of a new nitrogen balance method with a dynamic approach

**Baptiste Soenen** (ARVALIS - Institut du vegetal, Agronomy Research Unit, Baziège, France)

11.25 – 11.45 - Coffee Break

11.45 Nitrogen fertilization: a key component of DSSs for sustainable cropping of durum wheat

**Pierluigi Meriggi, Matteo Ruggeri** (Horta Srl, Piacenza, Italy), and **Vittorio Rossi** (Università Cattolica del Sacro Cuore, DI.PRO.VE.S., Piacenza, Italy)

12.05 Root phenomics and candidate traits for optimizing plant nitrogen nutrition

**Christophe Salon** (INRA, UMR Agroécologie/Université de Bourgogne/AgroSup, Dijon, France)

12.30 Bio-effectors for sustainable soil fertility in wheat production: approaches and challenges  
**Markus Weinmann, Uwe Ludewig and Günter Neumann** (University Hohenheim, Institute of Crop Science, Nutritional Crop Physiology, Stuttgart, Germany)

12.55 Closing Remarks  
**Nicola Pecchioni** (CREA, Research Centre for Cereal and Industrial Crops, Foggia, Italy)

h 13.10 Light buffet Italian Aperitivo