

TUESDAY 14 NOVEMBER

18.35 POSTER 1: Posters should be placed during the morning and retired at the end of session

Biodiversity

Novel Haplotype Description and Structural Background of the Eventual Functional Significance of the Barley -amylase Gene Intron III Rearrangements
Sjakste TG, Zhuk AF

Detection of allelic diversity in semi-dwarfing genes in Slovak wheat varieties
Zofajova, A. – Uzik, M. – Mihalik, D. – Sajgalik, M

High transferability and polymorphism of barley EST-SSR markers for the analysis of gene biodiversity in *Hordeum chilense*
Castillo, A., Varshney, R. K., Graner, A., Hernandez, P.

Variability of Glutenin Alleles in a Sample Representative of the Durum Wheat Spanish Collection.
Aguiriano, E, Ruiz, M, and Carrillo, JM

Molecular characterisation of a Portuguese collection of durum wheat
Carvalho, A, Lima-Brito, J, Maças, B & Guedes-Pinto, H

Genetic diversity within and between Greek durum wheat landraces
P. Terzopoulos and P. Bebeli

Genetic resources of Spanish hulled wheats
Caballero L, Martín LM, Alvarez JB

Effective using gene pool of synthetic wheats for increasing of common wheat biodiversity
Goncharov, NP

Temporal Trends in the Microsatellite-Based Genetic Diversity of 91 Bread Wheat Varieties Released in Bulgaria Since 1925
Landjeva, S, Korzun, V, Ganeva, G

Past and present of regional rye populations
Matos, M. , Pinto-Carnide, O., Martins, S., Barata, A., Carnide, V.

Genetic Relationship and Allelic Variation of Candidate Genes for Drought Tolerance in Mediterranean Durum Wheat
Moragues, M., Royo, C., Sorrells, M.E.

Search for resistance against *Blumeria graminis* f.sp. *hordei* in barley landraces from Fertile Crescent
Shtaya M.J.Y.; Sillero, J.C.; Rubiales, D.

Screening for Resistance to Leaf Rust (*Puccinia hordei*) in barley landraces from Spain and Fertile Crescent
Shtaya, M.J.Y.; Sillero, J. C.; Rubiales, D.

Agronomical evaluation of the Spanish Barley Core Collection
Yahiaoui S, Gracia MP, Igartua E, Medina B, Ciudad FJ, Codesal P, Molina-Cano JL, Lasa JM

Genetic Diversity of Fusarium Head Blight QTLs Among Western European Wheat
Zwart, RS., Muyllé, H., Roldán-Ruiz, I., Van Bockstaele, E., Van Huylenbroeck, J.

QTL Analysis of Microarray Expression Patterns: Multiple-trait eQTL Mapping
Ori Orion, Dina Minkov, Yefim Ronin, Abraham Korol

Marker assisted selection

Quantitative Trait Loci for Agronomic, Pest Resistance and End-Use Quality Traits in a Durum Wheat Doubled Haploid Population

Clarke, FR, Knox, RE, Clarke, JM and Pozniak, CJ

Small cross mapping of flowering time determinants

Cuesta A, Casas AM, Van Eeuwijk F, Igartua E

Considerations About The Effect Of Incorporation Of Two Rare LMW-GS In Durum Wheat In Comparison To Bread Wheat Doughs

Ferrante, P., Gianibelli, M.C., Larroque, O., Lafiandra, D., Masci, S.

Molecular and genetic characterization of two resistance gene analog clusters in *Avena*.

Loarce, Y, Irigoyen ML, Fominaya, A, Ferrer, E.

Specific Primers Associated with Aluminium Tolerance in Wheat

Martins-Lopes P, Koebner R, Carvalho AI, Gomes S and Guedes-Pinto H.

Marker-Assisted Selection Schemes for QTL in an Variety Development Program

Sneller, C

Genome-wide association mapping in barley

Yahiaoui S, Casas AM, Moralejo MA^s, Medina B, Gracia MP, Ciudad FJ, Codesal P, Molina-Cano JL, Lasa JM, Igartua E

OTLs Associated with Quality Traits in Oat DH Mapping Populatio

Manninen O, Tanhuanpää P, Kalendar R, Schulman A, Pietilä L, Kiviharju E

Tissue Culture Response of Different Wheat Genotypes, Environmental Effect and Association with Agronomic Traits

Dodig, D., Mitic, N., Nikolic, R.

MAS for *Magnaporthe grisea* (blast) resistance genes introgression into Italian rice germplasm

Lanzanova, C, Bulgarelli, D, Baldassarre V, Cavigiolo, S, Greppi, D, Valè, G, Lupotto E^{3*}

Gene expression

Inter- and intragenomic spontaneous translocations in multigeneric hybrids of *Triticeae* tribe

Carvalho, A, Guedes-Pinto, H & Lima-Brito, J

Analysis of wheat endosperm responses to heat stress using differential proteomics

Branlard, G, Bancel, E, Allain, E, Majoul, T, Martre, P, Triboui, E

Transcriptome analysis of four chloroplast developmental barley mutants.

Campoli C, Svensson J T, Caffarri S, Bassi R, Stanca A M, Close T J, Cattivelli L, Crosatti C

Analysis of the expression of homoeologous genes in polyploid cereals using fluorescence cDNA-SSCP

De Bustos, A., Perez, R., Jouve, N.

Three genes from the anther-flavonoid pathway are down-regulated in male sterile alloplasmic wheat

Pistón, F, Martín, A, and Barro, F.

TILLING in Barley

Salvi S., Talamè V., Bovina R., Sanguineti M.C., Tuberosa R.

Comparative Transcriptional And Proteomic Profiling Of Bread Wheat cv. Bobwhite And Its Derived Transgenic Line Over-expressing a *lmw-gs* Gene

Scossa, F., Laudencia-Chinguanco, D., Anderson, O. D., Lafiandra, D., D'Ovidio, R. and Masci, S.

Towards monocot functional genomics: development of transient gene expression tools using wheat and barley single cell cultures

Vincze, E., Bowra, S., Holm, PB.

WEDNESDAY 15 NOVEMBER

19,10 POSTER 2: Posters should be placed during the morning and retired at the end of session

Abiotic stresses

Molecular and Biochemical Characterization of Transgenic Rice Plants Over-Expressing the *Datura S-Adenosylmethionine Decarboxylase (SAMDC)* cDNA.
Peremmarti, A; Bassie, L; Zhu, C; Christou, P and Capell, T.

Constitutive Expression of the Oat *Arginine Decarboxylase* cDNA in Transgenic Whea Plant does not Alter Expression of its Orthologue.
Bassie, L, Peremarti, A; Zhu, C; Christou, P and Capell, T.

Evaluation of Wheat (*Triticum aestivum* L.) Genotypes under Pre and Post Anthesis Drought Stress Conditions
Amirgholi Sanjari Pirayvatlou and Amir Yazdansepas

Dry Matter Accumulation Rates In Vegatative Organs And Its Contribution In Developing Kernels Of Winter Wheat Genotypes Under Post Anthesis Drought Stress Condition
Sanjari Pirayvatlou Amirgholi and Yazdansepas Amir

Evaluation of advanced durum wheat genotypes for their agro-physiologic characteristics related to drought tolerance
Mohammadi, R, Haghparast, R, and Aghaee, M

Genetic Variability for Post-Anthesis Nitrogen Metabolism in Winter Wheat Varieties Grown under Limiting and Non-Limiting Nitrogen Conditions
Kichey, T; Fontaine, J-X; Heumez, E; Dubois, F; Hirel, B; Le Gouis, J

Changes in Cell Wall Polysaccharides During Water Stress in Wheat Genotypes Varying in Drought Tolerance
Leucci MR, Lenucci M, Piro G, Dalessandro G.

Segregation of Aluminium Tolerance in Wheat.
Martins-Lopes P, Matos M, Pinto-Carnide O and Guedes-Pinto H.

Aluminium tolerance analysis in F2 rye populations
Matos, M., Lopes, P., Benito, C., Guedes-Pinto, H., Pinto-Carnide, O.

Metabolism of α -aminobutyric acid during cold acclimation and freezing and its relationship to frost tolerance in barley and wheat
Mazzucotelli E, Tartari A, Guerra D, Cattivelli L, Forlani G

QTLs for Drought Tolerance and Agronomic Traits
Moragues, M. and Sorrells, M.E.

Water stress effect on heterosis expression in barley F1 hybrids (*H. vulgare* L.).
Sehabi M. and Mekliche L.

Mapping Candidate Genes For Drought Tolerance In Barley
Tondelli A, Francia E, Laidò G, Barabaschi D, Stanca AM, Pecchioni N

Identification of Molecular Markers Associated with Partial Resistance to Powdery Mildew, Leaf Rust and Stripe Rust in Bread Wheat Line Saar.
Lillemo, M., Bjørnstad, Å., Asalf, B., Singh, R.P., Huerta-Espino, J., Chen, X.M., He, Z.H.

Phenotypic characterization of the reciprocal translocation present in the barley variety 'Albacete'
Lacasa-Benito I, Muñoz P, Moralejo M, Cistue L, Castillo A, Vallés P, Romagosa I

Primary Root Architecture in a Diverse Set of Barley Germplasm.
Meskine S, Romagosa I, Comadran J, Russell JR, Hackett C, van Eeuwijk F, Thomas WTB

Biotic stresses

Resistance against septoria leaf blotch, powdery mildew and rusts in *Agropyron cristatum* x durum wheat derivatives.

M.H. Soliman, M.H.; Ochoa, V.; Cabrera, A.; Sillero, J.C.; Rubiales, D.

Resistance of Barley Landraces Collected in Pakistan to Isolates of *Blumeria graminis* f. sp. *hordei*

Czembor, JH , Czembor, HJ , van Soest LJM

Barley embryos defence responses to pathogen infection

E. Dall'Aglio, V. Bonardi, A. Haegi, M. Delledonne, A. Infantino, G. Vale

Physiologic specialization of *Puccinia triticina* in Andalusia (Spain) in 2004 and 2005.

Del Olmo, A. I.; Sillero, J. C.; Rubiales, D.

Reaction of Selected BYDV-tolerant Wheat Genotypes to Czech PAV Isolate

Veskrna, O.; Sedlacek, T.; Chrpova, J.; Kumar Kundu, J.

Quantitative resistance of barley against scald – a candidate gene approach

Wagner, C, Friedt, W, Ordon F.

Fusarium head blight evaluation in wheat transgenic plants expressing the maize *b-32* antifungal gene

Balconi C, Lanzanova C, Conti E, Triulzi T, Forlani F, Cattaneo M, Lupotto E

Yield Losses Caused by Powdery Mildew on Bread Wheat Cultivars under Irrigated Mediterranean Conditions in Spain

Briceño-Felix G., Huerta-Espino J., Torres i Ruiz L., Betbese J.A., and Martin Sanchez J.A.

Various

Using Cell-lineage Tagging to Decipher Early Differentiation and Development in Wheat Endosperm.

Freeman, J., Kurup, S., Huttly, A.K. and Shewry, P.R.

Homogeneity of varieties developed by the use of double-haploids

Alvarez J.B., Solís I., Martín A., Ballesteros J., Martín L.M.

Genotype diversity on determination of production potential to some Winter Wheat varieties

Shukri Fetahu, Sali Aliu, Skender Kaçiu and Gani Balaj

Increases in yield potential achieved by breeding in durum wheat and barley for Mediterranean environments

F. Rizza, Di Fonzo N., L. Cattivelli, A.M. Mastrangelo, F.W. Badeck and A.M. Stanca

Transport Dry Matter In To Developing Kernels And Its Relations With Drought Tolerance

In New Winter Wheat Genotypes Under Post Anthesis Drought Stress Condition

Sanjeri Pirievatlou Amirgholi and Yazdansepas Amir

Accumulation and translocation of nitrogen at winter wheat varieties

Uzik, M. - Zofajova, A. - Bielikova, M.

Response of winter wheat genotypes to fertilization in grain yield and quality

Ruckschloss, L. – Uzik, M. – Zofajova, A.

Ability Of Stem Reserve Utilization For Grain Filling In Promising Bread Wheat Genotypes In Rainfed Conditions Of Iran

Haghparast, R. , R. Rajabi, R. Mohammadi , M. Aghae-Sarbarzeh, N. Bahrami, A. Daryae

Genetic diversity for fertilizer use efficiency in bread wheat genotypes under rainfed conditions of Iran

Haghparast, R. , Rajabi, R. , Ghaderi, J., Taliee, A.A. , Aghae-Sarbarzeh , M. and Mohammadi, R., Yavari, I. , Abdulahi, A.

Effect of harvesting levels and nitrogen on source limitation and pre-anthesis remobilization to grains in dual-purpose (forage and grain) barley

A. Modhej and B. Behdarvandi

Soil Survey and Site Selection for crop Cultivation in Kuwait

Habibah Al-Menaie and Abdulla Al-Shatti

High quality and stress tolerant wheat cultivars and lines developed in Bulgaria during the last decade

Ivan Panayotov, Ivan Todorov, Ivanka Stoeva, Irinka Ivanova

High quality and stress tolerant wheat cultivars and lines, created in Bulgaria during the last decade

Ivan Panayotov, Ivan Todorov, Ivanka Stoeva, Irinka Ivanova

THURSDAY 15 NOVEMBER

17,00 POSTER 3: Posters should be placed during the morning and retired at the end of session

Quality

Trafficking of a low molecular weight (LMW) glutenin subunit in durum wheat
Tosi, P Sanchis-Gritsch, C Parker, M Napier, J Carzaniga, R and Shewry, P.

Genotypic variation for leaf cadmium concentration in *Triticum* sp.
Kraljevic-Balalic M., Petrovic S., Dimitrijevic M., Mladenov N.

Essential Micronutrient Fortification of Cereal Grains for Enhanced Nutrition
Zhu C, Naqvi S, Gómez-Galera S, Pelacho AM, Capell T and Christou P

Production of Recombinant HIV Monoclonal Antibodies for Human Health in Transgenic Maize Seeds
Ramessar K, Zhu C, Capell T and Christou P

Essential Micronutrient Fortification of Cereal Grains for Enhanced Nutrition
Gómez-Galera S, Naqvi S, Pelacho AM, Capell T, Christou P and Zhu C

Vitamin and Fatty Acid Bio-Fortification of Cereals for Food Security
Naqvi S.B, Gómez-Galera S, Capell T, Christou P and Zhu C

Wheat arabinoxylans: exploiting genetic variation in amount and composition to develop enhanced varieties
Charmet G, Salse J, Guillon F, Saulnier L

Cereal Components for the Development of Functional Food.
Finocchiaro F., Ferrari B., Gianinetti A., Stanca, A.M

Studies on enzymic -glucan degradation in barley genotypes
Gianinetti, A., Ferrari, B., Finocchiaro, F., Frigeri, P. and Stanca, A. M

Environmental determination of amino acid composition in the grain of durum wheat under Mediterranean conditions
Isidro, J., Martos, V.Rharrabti, Y., Royo, C. and Garcia del Moral, L.F.

Testing and Breeding Hulless Barley for Healthy Food
Legzdina, L, Bleidere, M

Relationships between bread-making quality and starch viscosity parameters in bread wheat partial-waxy
Lucas, R, Rodríguez-Quijano, M and Carrillo, JM

Expression of two D-hordeins from *Hordeum chilense* in bread and durum wheat
Marín, S, Pistón, F and Barro, F.

qPCR for *Fusarium* Traceability in Cereal Plants, Grain and Derived Products.
Morcia, C, Rossi, V, Corbellini, M, Faccini, N, Faccioli, P, Delogu, G, Terzi,V¹

Gluten composition, gluten quality, and dough mixing properties (National-Mixograph; Chopin-Mixolab) of high yielding wheats derived from crosses between Common (*T. aestivum*) and Synthetic (*Triticum dicoccon* x *Aegilops tauschii*) wheats.

Peña RJ , Cervantes-Espinoza MI, Ortiz-Monasterio-JI, and Dubat A

Identification of DNA Markers Associated with Cadmium Accumulation in Oat
Kiviharju E, Tanhuanpää P, Manninen O, Kalendar R, Schulman A

Sustainable

Evaluation of Hessian Fly Population (*Mayetiola destructor* Say) in the South-Western of Spain.
Sin, E; Martín-Sánchez, JA; Delibes, A; López-Braña, I; Pérez-Rojas, F; Del Moral, J.

Progress in Yield Components and Yield Potential in Bread Wheat and Durum Wheat Genotypes
Cseuz, L., Kertesz, Cs., Fonad, P., Kovacs, I., Ovari, J., Matuz, J., and Kertesz, Z.

Genetic contribution of AmBev breeding program to the production chain of barley in Brazil
Caierão, E

Genetic differences of Embrapa wheat cultivars to qualitative use and response to input system
Caierão, E, Scheeren, PLS, Só e Silva, M, Del Duca, LJA, Nascimento-Júnior, A, Zavariz, M, Guarienti, E,
Pires, JL, Linhares, A, Eichelberger, L, Chaves, M, Imaculada, M⁵, Costamilan, L, Bonatto, AL

Genetic analysis of Nitrogen accumulation and protein composition in wheat kernel
Charmet G, Martre P

Formation of Triticale Crop Ideotype for Organic Farming
Kronberga, A,

Durum wheat productivity in sustainable Mediterranean agro-ecosystems as related to yield components and morpho-physiological traits

Royo C., Villegas D., Alvaro F., Moragues M., Araus-Ortega J.L., Ben Salem M., Bort J., De Ambrogio E., De Montis A., El-Ahmed A., Garcia del Moral L.F., Isidro J., Maalouf F., Maccaferri M., Martos V., Motawai J., Nachit M.M., Natoli E., Nserallah N., Ouabbou H., Rhouma S., Sanguineti M.C., Slama A., Tuberosa R.

Stability of breeding characters related with bread wheat quality in Southern Spain
Solís I, Díaz M, Álvarez JB, Martín LM, Peña RJ.

Assessment of Yield and Carbon Isotope Discrimination by Reflectance Indices WI and PRI
Villegas, D., Aparicio, N. and Royo, C.

'Diomede', A Winter Barley For Dual-Purpose In Comparison To Oats Grown In A Mediterranean Environment

Odoardi M, Francia E, Pecchioni N, Li Destri Nicosia O, Paoletta G, Taibi L, Franco V, Stanca AM, Delogu G.

Development and characterization of improved rice varieties for cultivation in the Mediterranean region

Cavigiolo S, Greppi D, Lanzaova C, Vallino M**, Novero M**, Aimò S, Lupotto E*