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Poster SESSION 1, Tuesday, April 25, 11:15 – 13:15

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**Cytogenetics; Diversity and Evolution of the Triticeae**

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- P 1 - Elena Salina, RU - page 119  
*Structural variability of VRN-1 vernalization genes during evolution of wheat: impact to origin of the spring growth habit*
- P 3 - Adrian Turner, UK - page 122  
*Genotyping by sequencing (GBS) approaches to verification of wheat precise genetic stocks in germplasm collections*
- P 5 - Minoru Murata, JP - page 123  
*Identification of genes on the midget chromosome in a common wheat with rye cytoplasm*
- P 7 - Yanming Zhang, CN - page 124  
*Breeding and cytogenetic analysis of perennial wheat in the cold regions of Northeastern China*
- P 9 - Gabriella Linc, HU - page 126  
*Molecular cytogenetic tools in characterization of pre-breeding materials produced with *Thinopyrum* species*
- P 11 - Liping Xing, CN - page 127  
*A new cryptic alien introgression from *Haynaldia villosa* with powdery mildew resistance gene *Pm21**
- P 13 - Gennady Karlov, RU - page 128  
*Molecular cytogenetics analysis of *Thinopyrum intermedium* and its possible diploid progenitors *Th. bessarabicum*, *Pseudoroegneria spicata* and *Dasypyrum villosum**
- P 15 - Ekaterina D. Badaeva, RU - page 129  
*Karyotype diversity of emmer wheat helps reconstructing possible migration routes of the crop*
- P 17 - Jong-Nae Hyun, KR - page 132  
*Evaluation of agronomic & quality characteristic in semi-dwarf Korean landrace wheat "Anzunbaengimil"*
- P 19 - Gao Lifeng, CN - page 133  
*Development of wheat diversity map, Hap map, recombination map, selection map and trait map*
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**Structural and Functional Wheat Genomics**

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- P 21 - Juan J. Gutierrez-Gonzalez, US - page 183  
*Validation of hexaploid wheat chromosome-scale assemblies by GBS and POPSEQ*
- P 23 - Guangyao Zhao, CN - page 184  
*The reference genomes for *Aegilops tauschii* (AL8/78)*
- P 25 - Sudharsan Padmarasu, DE - page 185  
*Whole genome shotgun sequencing and de novo assembly of the German wheat cultivar 'Julius' using NRGene DeNovoMAGIC2.OTM assembly*
- P 27 - Jizeng Jia, CN - page 186  
*Reference genome of a modern Chinese leading wheat variety*
- P 29 - Zuzana Tulpova, CZ, 🎓 student presenter - page 187  
*Lost part of the wheat genome: tandem repeats*
- P 31 - Kulvinder Gill, US - page 188  
*Structure and function of Ph1 (Pairing homoeologous 1) genes in wheat and other cereals*
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- P 33 - Kanwardeep Singh, US, 🎓 student presenter - page 191  
*Evolution of Ph1 gene in polyploid wheat*
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- P 35 - Radim Svacina, CZ, 🎓 student presenter - page 193  
*Development of deletion lines for physical mapping of Ph2 gene in bread wheat*
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- P 37 - Graham Moore, UK - page 194  
*The Ph1 locus*
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- P 39 - Arnaud Bellec, FR - page 195  
*Structural and evolutive analysis of an ancestral chromosomes fusion point within the hexaploid wheat genome*
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- P 41 - Jaswinder Singh, CA - page 196  
*RdDM pathway is associated with pre-harvest sprouting in small grain cereals*
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- P 43 - Bharati Pandey, IN, 🎓 student presenter - page 197  
*Identification of Dof transcription factor in genomic survey sequences of Triticum aestivum and structural insight into Dof domain-DNA interaction*
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- P 45 - Gilberto Igrejas, PT - page 199  
*Expression and variation of Glo-2 locus in bread wheat (Triticum aestivum L.)*
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- P 47 - Elena Salina, RU - page 200  
*Characterization of wheat photoperiod insensitive Ppd-B1a allele*
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- P 49 - Zbyněk Milec, CZ - page 202  
*Same number of Ppd-B1 copies, different heading date*
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- P 51 - Yong Q. Gu, US - page 203  
*Evolutionary dynamics of wheat prolamin genes revealed by comparative genomics approach*
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- P 53 - Ruonan Zhou, DE - page 204  
*Target enrichment sequencing of wheat pentatricopeptide repeat (PPR) gene family -- Searching wheat fertility restorer gene candidates*
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- P 55 - Johar S Saini, IN - page 205  
*Understanding the structure and function of alpha amylase gene family with special reference to wheat*
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- P 57 - S. V. Chebotar, UA - page 206  
*Computational modeling of spatial structure of gibberellin response RHT-1 Triticum aestivum protein from DELLA-GRAS proteins family*
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- P 59 - Xueyong Zhang, CN - page 207  
*The iSelect 9K SNP analysis revealed polyploidization induced revolutionary changes and intense human selection causing strong haplotype blocks in wheat*
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- P 61 - Mario Caccamo, UK - page 208  
*A gene nomenclature for the Triticeae tribe*
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- P 63 - Qingyan Deng, CN - page 209  
*Cloning of the BC1 gene affecting culm and leaf resilience of diploid wheat*
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- P 65 - Cao Shuanghe, CN - page 210  
*Towards marker assisted selection for a major QTL Rht24 controlling plant height in wheat*
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- P 67 - Lichao Zhang, CN - page 211  
*Mapping of the heading date gene HdAey2280 in Aegilops tauschii*
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- P 69 - Kazusa Nishimura, JP, 🎓 student presenter - page 212  
*Identification of a novel QTL for early flowering on 7A chromosome in a variety of emmer wheat*
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P 71 - Dongcheng Liu, CN - page 214  
*Genome-wide QTL mapping reveals genetic architecture of grain size in einkorn wheat*

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**Genetics and Genomics of Resource Efficiency; Quality and Composition**

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P 73 - Philippa Borrill, UK - page 343  
*Functional genomics approaches reveal the gene network regulating senescence in wheat*

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P 75 - Moeko Okada, JP, 🎓 student presenter - page 344  
*RNA sequencing reveals genome-wide polymorphisms applicable to develop genetic markers in *Aegilops umbellulata**

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P 77 - Hadi Ali Pour, IR - page 345  
*Genotyping-by-sequencing (GBS) revealed genetic structure and diversity of Iranian wheat landraces and cultivars*

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P 79 - Jihad Orabi, DK - page 347  
*Identification of candidate gene and linked marker for purple colored seeds in wheat (*Triticum aestivum* L.)*

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P 81 - Simone Zimmerl, AT - page 348  
*Assessing diversity in *Triticum durum* cultivars and breeding lines for high versus low cadmium content in seeds using the CAPS marker usw47*

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P 83 - Martina Bruschi, IT - page 349  
*Development and characterization of a whole genome radiation hybrid panel for tetraploid wheat*

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P 85 - Michela Janni, IT - page 350  
*Exploiting durum wheat germplasm to increase nitrogen use efficiency (NUE)*

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P 87 - Noemie Prat, AT - page 351  
*Successful transfer and validation of the *Fusarium* head blight resistance QTL *Fhb1* in durum wheat – a game changer for enhancing food safety*

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P 89 - Marc Lemmens, AT - page 352  
*Does breeding for *Fusarium* resistance in wheat just mask the mycotoxins?*

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P 91 - Samia Barraies, CA - page 353  
*Molecular mapping of QTL for deoxynivalenol accumulation resistance in spring wheat*

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P 93 - Dongcheng Liu, CN - page 354  
*Comprehensive investigation on the composition, variation, and evolution of the low-molecular-weight glutenin subunit gene family in common wheat and its progenitors*

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P 95 - Seong-Woo Cho, KR - page 356  
*Molecular and protein analyses of *Glu-B1a1* allele in Korean wheat landrace*

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P 97 - Chul Soo Park, KR - page 357  
*Molecular characterization of novel  $\gamma$ -type subunit on *Glu-D1* locus*

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P 99 - Tatyana Pshenichnikova, RU - page 358  
*Localization of the genes for high gluten content in grain in chromosomes of the second homoeologous group of bread wheat*

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P 101 - Maryke Labuschagne, ZA - page 359  
*Quantification of high molecular weight glutenin subunits in South African hard red wheat cultivars using reversed phase - high performance liquid chromatography*

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P 103 - Susanne Trittinger, US, 🎓 student presenter - page 360  
*Manipulation of high molecular weight glutenin subunits in bread wheat to reduce nitrogen fertility requirements for bread quality*

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- P 105 - Kanako Kawaura, JP - page 361  
*Characterization of gliadins using aneuploids of Chinese Spring wheat reveals genome-specific gliadin regulation*
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- P 107 - Nthabiseng Mashamba, ZA, 🎓 student presenter - page 363  
*The influence of high molecular weight-glutenin subunits on SDS sedimentation volume and Mixsmart characteristics in elite wheat lines grown at three locations*
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- P 109 - Yuefeng Ruan, CA - page 364  
*Mapping quantitative trait loci for gluten strength in Canadian durum wheat*
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- P 111 - Peter Skov Kristensen, DK - page 365  
*GWAS and genomic prediction of baking quality in winter wheat breeding lines*
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- P 113 - Giuseppe Emanuele Condorelli, IT - page 366  
*Meta-QTL analysis for yellow pigment content in durum wheat*
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- P 115 - Dario Novoselović, HR - page 367  
*QTL mapping for some grain quality traits using DArTseq markers*
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- P 117 - Jemima Brinton, UK, 🎓 student presenter - page 368  
*Two tightly linked genes controlling grain length underlie a major grain weight QTL in polyploid wheat.*
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- P 119 - Alessandra Marti, IT - page 370  
*Wheat quality evaluation: from the seed to the final product*
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- P 121 - Aigul Abugaliyeva, RU - page 371  
*Grain quality of synthetic wheats and their relatives*
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- P 123 - Fanny Alvaro, AR - page 373  
*Effects of breeding in the 20th century on the morpho-physiology, yield and quality of Italian and Spanish durum wheat*
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- P 125 - Miroslav Valárik, CZ - page 374  
*Mapping of agronomically important quantitative trait loci in diploid wheat (*Triticum monococcum* L.)*
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- P 127 - Baoyun Li, CN - page 375  
*Wheat SPA gene regulate quality character*
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- P 129 - Peter Skov Kristensen, DK - page 377  
*Genomic prediction of baking quality in winter wheat*
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- P 131 - Ruiru Cheng, CN - page 378  
*Mapping QTLs controlling kernel morphology and weight in wheat*
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- P 133 - Craig F. Morris, US - page 379  
*End-use quality of soft kernel durum wheat*
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- P 135 - Susan Altenbach, US - page 380  
*Improving end-use quality, protein stability and immunogenic potential of wheat flour through biotechnology*
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- P 137 - Benjamin Wittkop, DE - page 382  
*Breeding progress in wheat: Dissecting the principle components of grain yield*
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- P 139 - Carolin Lichthardt, DE - page 383  
*Increasing wheat yield by focusing on light interception*
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- P 141 - Hakan Özkan, TR - page 384  
*Introgression of the high grain protein gene *Gpc-B1* in Turkish durum and bread wheat cultivars through marker assisted backcross breeding*
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P 143 - M. Fernanda Dreccer, AU - page 385  
*Vernalisation and photoperiod sensitivity in wheat: impact on canopy development, floret fertility and yield components*

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### Applying Novel Tools to Practical Wheat Improvement

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P 145 - Tomohiro Ban, JP - page 386  
*KODA mediated greater harvest in Japan wheat core collection harvest under low fertilizers field*

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P 147 - Sahar Bennani, MA - page 388  
*Efficiency of agro-morphological and physiological criteria in screening drought tolerance in bread wheat*

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P 149 - Jianfang Chai, CN - page 389  
*Effects of expression of rice alanine aminotransferase gene on nitrogen utilization efficiency of transgenic wheat*

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P 151 - Hinako Sato, JP - page 390  
*Fine mapping of the 'Chogokuwase (extra-early flowering)' gene in wheat*

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P 153 - G.K.M.N. Haque, JP - page 392  
*Effect of interaction between LUX/PCL1 genotypes on heading time of wheat, revealed by the analysis of a wheat DH population derived from Chogokuwase and Kinuiroha*

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P 155 - Wolfgang Spielmeier, AU - page 394  
*New growth regulating genes in wheat*

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P 157 - Sophie Harrington, UK,  student presenter - page 395  
*A forward genetics approach to identifying novel-senescence related genes in *Triticum turgidum* subsp. *durum*.*

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P 159 - Hidetaka Nishida, JP - page 397  
*Expression analysis on flowering-related genes by RNAseq in a Japanese breeding line "Chogokuwase" and its progenitor lines*

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P 161 - Giuseppe Sciarra, IT - page 399  
*Vegetative growth and water use efficiency characterization of durum wheat near isogenic lines for the QTL Qyld.idw-3B*

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P 163 - Emdadul Haque, JP - page 400  
*KODA, an  $\alpha$ -ketol derivative of linolenic acid isolated from duckweeds (*Lemna paucicostata*) provides wide recovery ability of wheat against various abiotic stresses*

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P 165 - Kazuteru Takagi, JP - page 402  
*Bioactive compounds from duckweed (*Lemna paucicostata*), can they provide food sustainability against adverse environments*

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P 167 - Chris Sørensen, DK - page 404  
*Phenotyping for rust resistance in wheat*

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P 169 - Liezel Herselman, ZA - page 405  
*Development of wheat lines with complex resistance to rusts and *Fusarium* head blight*

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P 171 - Hironobu Jinno, JP - page 406  
*Breeding lines of resistant to wheat yellow mosaic virus by marker assisted backcross*

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P 173 - Gizaw M. Wolde, DE,  student presenter - page 407  
*Mutations in the branched head homoeo-allele bh-B1 modify inflorescence architecture in tetraploid wheat*

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- P 175 - Gernot Bodner, AT - page 408  
*An NIR-view into the underground: phenotyping architecture and functioning of durum wheat root systems*
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- P 177 - Jonathan A. Atkinson, UK - page 409  
*Optimizing wheat root architecture by exploiting diverse germplasm*
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- P 179 - Deepmala Sehgal, MX - page 410  
*Dissecting wheat grain yield and yield stability using a genome wide association mapping approach in a large breeding germplasm*
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- P 181 - Giuseppe Sciara, IT - page 412  
*Association mapping in elite durum wheat reveals strong differential selection for a major root depth QTL according to water regime*
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- P 183 - Wentao Zhang, CA - page 413  
*Canadian Wheat-NAM (Can-NAM): a next generation genetics platform for Canadian wheat improvement*
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- P 185 - Melanie Stadlmeier, DE - page 414  
*Bavarian MAGIC winter wheat population (BMWpop): construction and genotypic data analysis*
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- P 187 - Klara Verbyla, AU - page 415  
*Lessons from MAGIC: a QTL cloning pipeline in wheat*
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- P 189 - marco Maccaferri, IT - page 416  
*The NCCR multi-parental mapping population reveals a major QTL for number of grains per spikelet in durum wheat*
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- P 191 - Jose Miguel Soriano, ES - page 417  
*Dissecting the genetic architecture of old Mediterranean durum wheats for yield formation by association mapping*
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- P 193 - Wiebke Sannemann, DE - page 418  
*MAGIC WHEAT WM-800 targeted breeding of winter wheat elite cultivars*
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- P 195 - Vahid Edriss, DK - page 419  
*Comparing single trait with multi-trait genome-wide association in winter wheat (*Triticum aestivum*)*
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- P 197 - Ljiljana Brbaklic, RS - page 420  
*Crossing value of wheat parents used in Grain for Gain (G4G) platform*
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- P 199 - Gergely Izrael, AT, 🎓 student presenter - page 421  
*Genomic prediction of *Fusarium* head blight resistance in adapted bread wheat germplasm*
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- P 201 - Manuel Geyer, DE, 🎓 student presenter - page 422  
*Linkage mapping of fertility-restoring genes in common wheat and spelt*
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- P 203 - Quddoos Muqaddasi, DE, 🎓 student presenter - page 423  
*Genetic architecture of anther extrusion in spring and winter wheat*
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- P 205 - Carus John-Bejai, UK, 🎓 student presenter - page 424  
*What makes a good male? Prospects for improving the efficiency of hybrid seed production.*
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- P 207 - Allan Kouidri, AU, 🎓 student presenter - page 425  
*Characterisation of *TaMs1*: a wheat fertility gene*
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- P 209 - Ryan Whitford, AU - page 426  
*Molecular identification of *Ms1* and its application for hybrid wheat breeding*
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- P 211 - James Anderson, US - page 428  
*Repeatability of genotyping by sequencing SNP markers in wheat*
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- P 213 - Astrid Gadeyne, BE - page 429  
*Functional interactomics in crops through AP-MS*
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- P 215 - Martin Ganal, DE - page 430  
*Optimization of genotyping arrays for wheat genetics and breeding*
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- P 217 - Muhammad Imtiaz, CN - page 431  
*Development of DNA-based 2-D digital barcodes in wheats for reliable varietal identification and digital repository*
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- P 219 - Matteo Dell'Acqua, IT - page 432  
*The Ethiopian durum wheat nested association mapping (NAM) population. High definition QTL mapping through breeding*
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- P 221 - Renée Prins, ZA - page 434  
*The adoption of marker-assisted selection in South African wheat breeding programs: centralising resources to fast track wheat cultivar breeding*
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- P 223 - Gilles Charmet, FR - page 435  
*Virtual selection for comparing wheat breeding schemes at constant total cost*
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- P 225 - Jemima Brinton, UK - page 437  
*A beginner's guide to wheat – [www.wheat-training.com](http://www.wheat-training.com)*
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- P 227 - Jeff Gwyn, US - page 438  
*The International Wheat Yield Partnership: an integrated science program focused on delivery*
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- P 229 - Arron Carter, US - page 439  
*Wheat breeding using indirect selection in the genomics and phenomics era*
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- P 231 - Scott Haley, US - page 440  
*Exploiting trait correlations for next-generation grain yield and end-use quality improvement of U.S. hard winter wheat*
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- P 233 - Aletta Ellis, ZA - page 442  
*A collaborative approach to pre-breeding in South Africa*
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- P 235 - Simon Krattinger, CH - page 66  
*The molecular basis of the durable disease resistance conferred by Lr34*
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- P 237 - Robert Zemetra, US - page 444  
*Lessons learned from the discovery of genetically modified wheat in Oregon, USA in 2013*
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- P 239 - Hiroshi Tsukamoto, JP - page 445  
*High efficiency gene transfer to wheat mediated by *Agrobacterium tumefaciens* and particle bombardment*
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- P 241 - Cristobal Uauy, UK - page 446  
*Exome Sequencing of EMS mutants provides a comprehensive resource for wheat functional genomics in tetraploid and hexaploid wheat*
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- P 243 - Ricardo Humberto Ramirez Gonzalez, UK - page 447  
*The implementation of expVIP: a customizable RNA-Seq data analysis and visualization platform in wheat ([www.wheat-expression.com](http://www.wheat-expression.com))*
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- P 245 - Jae-Han Son, KR - page 449  
*Construction of complete DNA marker set for 32 Korean wheat cultivar identification*
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- P 247 - Viktoria Kreps, DE,  student presenter - page 450  
*Genotypic characterization of wheat wild relatives*
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- P 249 - Vinod Tiwari, IN - page 451  
*Physiological dissection and genotypic differences in growth stages in wheat under early sown conditions*
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- P 251 - Wang Haibo, CN - page 452  
*The cell state hypothesis like a "Mendel's law" in plant tissue and cell culture*
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- P 253 - Michela Janni, IT - page 453  
*In vivo integrated biosensors to monitor in real-time physiological processes in wheat*
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- P 255 - Marine Ollier, AT, 🎓 student presenter - page 454  
*Fusarium damaged kernels notation on grains by digital picture analysis*
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- P 257 - Matilda Ciuca, RO - page 456  
*SSR marker TSM106 a convenient tool for wheat-rye 1AL.1RS translocation selection*
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- P 259 - Byoung Min, UK, 🎓 student presenter - page 457  
*A lipidomic, genetic and biophysical approach to improving breadmaking quality in wheat*
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- P 261 - Jayne E. Bock, CA - page 458  
*Using the GlutoPeak to benchmark Ontario winter wheat*
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- P 263 - Theresa Albrecht, DE - page 459  
*Genome-based prediction of falling number stability in wheat breeding material*
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- P 265 - Barend Wentzel, ZA - page 460  
*The contribution of non-prolamins (albumin and globulin) to dough properties in South African hard red wheat cultivars*
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- P 267 - Anastasiya Zlatska, UA - page 461  
*Can some SSR markers associated with QTL for grain protein content be effective for common wheat improvement?*
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- P 269 - Richard Cuthbert, CA - page 462  
*Sequence differences associated with near isogenic spring wheat sister lines for grain yield, grain protein, and end-use quality*
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- P 271 - Sebastian Michel, AT, 🎓 student presenter - page 463  
*Improving the baking quality of bread wheat using rapid tests and genomic selection*
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- P 273 - Jong-Yeol Lee, KR - page 464  
*Complementary and reliable identification of HMW-GS using RP-HPLC and SDS-PAGE in common wheat cultivars*
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- P 275 - Carlos Guzman, MX - page 465  
*Study of the effects on processing and bread-making quality of the wheat bread making (wbm) gene in two bread wheat populations*
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- Future of Wheat Improvement in Different Parts of the World, , \_student presenter - page  
*Future of Wheat Improvement in Different Parts of the World*
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- P 277 - Peter Langridge, AU - page 466  
*Wheat Initiative: achievements and challenges*
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- P 279 - Roi Ben-David, IL - page 467  
*WheatME: Improve wheat production under climate changes in the Middle East region*
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- P 281 - Alexey Morgounov, TR - page 469  
*International Winter Wheat Improvement Program: serving global breeding community*
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- P 283 - Vladimir Shamanin, RU - page 470  
*Kazakhstan-Siberia Network on Spring Wheat Improvement*
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- P 285 - Tanja Gerjets, DE - page 471  
*proWeizen - The German Wheat Research and Breeding Alliance*
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- P 287 - Ali Eskandari, IR - page 472  
*Investigating traits of some wheat (*Triticum aestivum* L.) cultivars in temperate zone in Iran*
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- P 289 - Daniel Cristina, RO, 🎓 student presenter - page 473  
*Molecular characterization of some Romanian wheat cultivars using functional molecular markers for grain weight*
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- P 291 - Hafeez ur Rehman, PK - page 475  
*Heat adapted wheat cultivars in Pakistan are associated with high stem water soluble carbohydrates and chlorophyll content*
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- P 293 - Jens Léon, DE - page 476  
*Breeding innovations wheat for resilient cropping systems: genotype by crop management interactions in winter wheat*
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- P 295 - Borislav Kobiljski, RS - page 477  
*A new opportunity for wheat improvement by exploiting desirable wheat variability derived from the crosses that combine the very best parents from East and West*
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- P 297 - Jean-Pierre Cohan, FR - page 478  
*Assessing nitrogen deficiency tolerance of wheat varieties in registration process and breeding programs in France*
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- P 299 - Dalia Z. Alomari, DE, 🎓 student presenter - page 479  
*Genome-wide association mapping of mineral contents in grains of bread wheat (*Triticum aestivum* L.)*
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- P 301 - Anastasiya Zlatska, UA - page 480  
*Low genetic polymorphism and wide range of phenotypes in winter common wheat breeding for bread-making quality in Ukraine, understanding of mechanism and future challenge*
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- P 303 - Xin Li, CN - page 481  
*Favorable alleles at genetic loci underlying the thousand-kernel weight of common wheat (*Triticum aestivum* L.) in the Huang-huai wheat-growing region of China*
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- P 305 - Dario Fossati, CH - page 483  
*Introgression of three QTLs for pre-harvest sprouting tolerance in a bread wheat line*
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- P 307 - Muhammad Imtiaz, MX - page 484  
*Enhancing and protecting wheat productivity in Pakistan through national and international collaboration*
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- P 309 - Gustavo Azzimonti, UY - page 485  
*Field-based phenotyping for wheat diseases within a new multiple diseases platform in Uruguay: promoting germplasm sharing to increase resistance diversity*
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- P 311 - Ivan Panayotov, BG - page 486  
*Yield capacity increasing in winter wheat by improvement of spike-stem-tillers (SST) complex*
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- P 313 - Eva Johansson, SE - page 487  
*Genetic impact on protein polymerization in various applications*
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- P 315 - Lauren Baker, UK - page 78  
*Developing genome wide introgressions from *Thinopyrum elongatum* into wheat*
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## POSTER SESSION 2, Thursday, April 27, 10:35 – 12:35

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### Harnessing Diversity for Triticeae Improvement

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- P 2 - Luzie Wingen, UK - page 134  
*Wheat landrace genome diversity*
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- P 4 - Heike Lehnert, DE - page 135  
*Employing winter wheat diversity stored in genebanks to sustainably improve grain yield*
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- P 6 - Patrizia Vaccino, IT - page 136  
*From landraces to modern lines: molecular characterization and association mapping in an Italian bread wheat collection*
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- P 8 - Srinivasachary, UK - page 137  
*Widening the genetic base of Durum wheat*
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- P 10 - Alexey Morgounov, TR - page 138  
*Characterization and utilization of currently grown Turkish wheat landraces*
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- P 12 - Saule Abugalieva, KZ - page 139  
*Evaluation of hexaploid spring wheat cultivars from Kazakhstan based on adaptation related genes*
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- P 14 - Thomas Müller, CH - page 140  
*High-throughput genotyping of Swiss bread and spelt wheat identifies unused gene pools for breeding*
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- P 16 - Diane E. Mather, AU - page 141  
*Intergenomic SNPs reveal spontaneous interchanges between chromosomes 7A and 7D of wheat*
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- P 18 - Martina Roselló, ES - page 142  
*Yield stability variation within Mediterranean durum wheats*
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- P 20 - Aziz Salameh, PS - page 143  
*Genetic diversity in populations of wild emmer wheat (*Triticum dicoccoides*) in Palestine*
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- P 22 - Ravi Koppolu, DE - page 144  
*Towards understanding the genetic regulation of differences in floret number per spikelet within Triticeae, barley vs. wheat.*
- 
- P 24 - Peter Sharp, AU - page 145  
*Emmer as a source of variation for bread wheat*
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- P 26 - Liuling Yan, US - page 146  
*The dicot Medicago gene STF increased leaf width in monocot wheat*
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- P 28 - Mohammad Taheb Safi, JP, 🇯🇵 student presenter - page 147  
*Wide recovery ability by Afghan wheat landraces against severe osmotic stress: Its proline playing key role in reviving?*
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- P 30 - Yue Jin, US - page 149  
*Increased stem rust susceptibility in synthetic hexaploids created between *Triticum turgidum* spp. and *Aegilops tauschii**
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- P 32 - Valbona Hobdari, AL - page 150  
*Characterization of bread wheat (*T. aestivum* L.) germplasm stored in Albanian genebank based on quantitative agronomical traits*
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- P 34 - Urmila Devi, UK, 🇬🇧 student presenter - page 151  
*Introgression lines of *Triticum timopheevii* in cultivated wheat background and mapping of useful genes using SNP markers*
- 
- P 36 - Marina Shapturenko, BY - page 152  
*Differential SNP polymorphism of hexaploid wheat in relation F1 heterotic response*
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- P 38 - Jack Heath, UK, 🇬🇧 student presenter - page 155  
*Introgression of small segments of *Secale cereale* chromatin into *Triticum aestivum* via homoeologous recombination*
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- P 40 - Surbhi Grewal, UK - *page 156*  
*Comparative mapping and targeted-capture sequencing of the gametocidal loci in Aegilops sharonensis*
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- P 42 - Surbhi Grewal, UK - *page 157*  
*Characterisation of Thinopyrum bessarabicum chromosomes through genome wide introgressions into wheat*
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- P 44 - Rebecca F. Talini, IT,  student presenter - *page 158*  
*Extensive molecular, phenotypic and geographic characterization of natural populations of the wild relative Triticum urartu occurring throughout the Fertile Crescent*
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- P 46 - Yasir S. A. Gorafi, JP - *page 159*  
*Wheat multible synthetic derivatives population (MSD): a new resource for breeding, QTL mapping and genes isolation from Aegilops tauschii*
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