

**Revised Program for Triticeae Genomics and Applications in
Wheat Molecular Breeding
(December 5-6, 2021)**

	Time	Reporter	Talk title	Host
5th	9.20 - 9.50	Jianmin Wan (On line)	Functional genomics and genetic improvement of rice agronomic traits	D a o w e n Wang (Off line)
	9.50 - 10.20	Jianping Chen (On line)	Soil-borne wheat viruses: from field investigation to laboratory work and to disease control	
	10.20 - 10.50	Zhensheng Kang (On line)	Pathogenecity of wheat stripe rust and host defense mechanism	
	10.50 - 11.20	Weigang Xu (Off line)	Progress and prospect of wheat improvement in Henan province, China	
	11.20 - 11.45	Yijing Zhang (On line)	Molecular analysis of polyploid heterosis in common wheat	
	11.45 - 12.05	Weilong Guo (On line)	Efficient analysis of Triticeae orthologous genes to aid their applications in wheat breeding	
	12.05 - 12.30	Le Wang (On line)	Improving Chinese Spring genome assembly: progress and prospect	
12.30 - 14.00 Lunch time				
5th	14.00 - 14.30	Chunpeng Song & Yun Zhou (On line)	Efficient analysis and utilization of <i>Ae. tauschii</i> in wheat improvement	Jizeng Jia (On line)
	14.30 - 15.00	Guangwei Li & Daowen Wang (Off line)	Genome assembly and agronomic trait analysis of Weining rye	
	15.00 - 15.30	Nils Stein (On line)	Barley pan-genome analysis and implications on barley improvement	
	15.30 - 16.00	Mark Timothy Wallace (On line)	Rye genome analysis and applications in agronomic trait improvement	
	16.00 - 16.30	Jaroslav Dolezel (On line)	Contribution of chromosome genomics to genome sequencing and gene cloning in Triticeae	
	16.30 - 17.00	Marco Maccaferri, Roberto Tuberosa (on line)	Tetraploid wheat Global Collection (TGC) and durum wheat Svevo genome assembly: two resources to effectively leverage natural variation of the durum QTLome for wheat pre-breeding	

	17.00 - 17.30	Shujuan Xu & Kang Chong (On line)	A long non-coding RNA VAS regulated flowering through vernalization in winter wheat	Feng Chen (Off line)
	17.30- 18.00	Susanne Dreisigacker (On line)	Enhancing wheat heat tolerance through molecular breeding	
	18.00 - 18.20	Yin Li (On line)	Function of avenin-like b proteins in regulating wheat dough quality	
6th	8.00 - 8.30	Aimin Zhang (On line)	Genome editing of <i>Rht-A1</i> to obtain novel dwarf wheat mutants	Xueyong Zhang (On line)
	8.30 - 8.50	Fei He (On line)	Construction of wheat eQTL map: significance and applications	
	8.50 - 9.10	Pingchuan Deng & Wanquan Ji (On line)	Genome assembly of decaploid <i>Thinopyrum ponticum</i>	
	9.10 - 9.30	Shifeng Cheng (On line)	Exploit beneficial diversity in a wide range of germplasm collection for wheat breeding	
	9.30 - 9.50	Hongxiang Ma (On line)	Composition of wheat <i>NAM</i> genes and assessment of their breeding values	
	9.50 - 10.10	Lingran Zhang (Off line)	Analysis of the genetic network regulating wheat adaptation to low temperature stress	
	10.10 - 10.20	Tea break		
	10.20 - 10.40	Tianheng Ren (On line)	Mining and application of rye disease resistance genes in China	
	10.40 - 11.00	Huagang He (On line)	Rapid mapping of powdery mildew resistance genes in wheat relatives aided by high-quality genome assemblies	
	11.00 - 11.30	Chengdao Li (On line)	Breeding towards the world largest malting barley exporter	
11.30 - 12.00	Liangliang Gao (On line)	Novel insights into the evolution of bread wheat D genome and flour quality genes		
12.00 - 14.00 Lunch time				
	14.00 - 14.30	Jizeng Jia (On line)	Genome analysis of Aikang 58, an elite modern wheat variety	Aimin Zhang (On line)
	14.30 - 14.50	Wei Chen (On line)	Efficient analysis of wheat nutritional quality traits using metabolomics approach	
	14.50 - 15.10	Shubing Liu (On line)	Genetic analysis and genomic selection of wheat complex traits	

6th	15.10 - 15.30	Binke Luo (Off line)	Functional analysis of wheat SRX genes	
	15.30 - 15.50	Cheng Chan (On line)	Study of the wheat gene family encoding VQ proteins and evidence for their regulation of wheat seed dormancy	Y i j i n g Zhang (On line)
	15.50 - 16.10	Yanwen Yu (Off line)	Analysis of a miRNA gene regulating wheat grain size	
	16.10 - 16.30	Xia Yang (Off line)	Mining of new genes regulating wheat defense to Fusarium crown rot disease	
	16.30 - 16.50	Yingchun Han (Off line)	Molecular analysis of the regulation of wheat phosphate starvation response by <i>TaMADS2</i>	
	16.50 - 17.10	Pengfei Wang (Off line)	Proteomic and molecular analyses of wheat genes regulating phosphate uptake and utilization in wheat	
	17.10 - 18.00	Shunhe Chen, Aimin Zhang & Daowen Wang (Off line & on line)	General discussion and symposium summary	