



Zoom Symposium: The New Era of Wheat Genomics



The release of standard genome sequences of Chinese spring, wild emmer, durum wheat, their ancestors and several relative species has dramatically accelerated basic and applied research in wheats. In order to promote global collaboration among scientists from China and abroad, we are going to hold a zoom symposium entitled **The New Era of Wheat Genomics**. Three major topics will be covered including: (1) Wheat domestication and improvement; (2) Functional genomics focused on important genes; (3) New technologies for germplasm innovation. All scientists and graduate students interesting in wheat science are welcome to participate through the following link on December 3rd-4th, 2021.

Zoom Conference Number: 897 9093 7305

Password : 557274

<https://us06web.zoom.us/j/89790937305?pwd=R2ZMbFp5azkzZUUwSUx1a3Z1RU5rdz09>

Join via SIP : 89790937305@zoomcrc.com

Join via Skype for Business : <https://us06web.zoom.us/skype/89790937305>

1. Organizing Committee

From China: Dr Xiue Wang, Professor of State Key Lab of Crop Genetics and Germplasm Enhancement, Nanjing Agricultural University.

From abroad: Dr Bikram S Gill Chair Professor of Wheat Genetics and Genomics, Kansas State University, USA; and Dr Jiming Jiang, Professor of Michigan State University, USA.

2. Secretary:

Ms Tong Wang, twang@njau.edu.cn , 086-18761852096

3. Organizer

China-Kenya Belt and Road Joint Laboratory on Crop Molecular Biology, Nanjing Agricultural University

Co-organizer

"Innovation China" "Belt and Road" International Industrial Innovation Institute of Wheat, Nanjing Agricultural University

China Association of Agricultural Science Societies

Jiangsu Genetics Society

4. Funding

The National Key Research and Development Program of China (Grant No.2020YFE0202900)

Jiangsu Collaborative Innovation Center for Modern Crop Production (JCIC-MCP), Nanjing Agricultural University

The Jiangsu Agricultural Technology System (JATS)

Nation Key Lab of Crop Genetics and Germplasm Enhancement



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5. Local time for scientists from different countries

(1) Day 1 (December 3rd, 2021)

Mexico 18:00-22:00 (December 2nd)

Central Time USA 18:00-22:00 (December 2nd)

Eastern Time USA 19:00-23:00 (December 2nd)

Beijing 8:00-12:00

Perth 8:00-12:00

Tokyo 9:00-13:00

Sydney 11:00-15:00

Melbourne 11:00-15:00

(2) Day 2 (December 4th, 2021)

Mexico 6:00-9:30

Central Time USA 6:00-9:30

Eastern Time USA 7:00-10:30

Beijing 20:00-23:30

Perth 20:00-23:30

Tokyo 21:00-01:30

Melbourne 23:00-2:30

Zurich 13:00-16:30





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(1) Talks for Day 1: December 3rd, 8:00-12:00am (Beijing time), 2021

Time	Title	Speaker	Affiliation	Chair
Beijing: 8:30-9:00 Tokyo: 9:30-10:00	Research progress on the <i>Gc</i> gene	Dr Shu Nasuda	Kyoto University, Japan	Dr Jiming Jiang Michigan State University Eastern time: 19:00-22:00 (December 2 nd)
Beijing: 8:00-8:30 Kansas: 18:00-18:30 (December 2 nd)	Shifting paradigms in crop improvement research	Dr Bikram Gill	WGRC, Kansas State University, USA	
Beijing: 9:00-9:30 Melbourne: 12:00-12:30	Annotating the treasure trove that is the wheat genome sequence	Dr Rudi Appels	University of Melbourne, Latrobe University, Australia	
Beijing: 9:30-10:00 Mexico: 19:00-19:30 (December 2 nd)	Dissection of durable resistance genes in wheat	Dr Ravi Singh	CIMMYT, Mexico	Dr Xiue Wang Nanjing Agricultural University (CINAU), China
Beijing: 10:00-10:25 Perth: 10:00-10:25	The genetic basis of cytoplasmic male sterility and fertility restoration in wheat	Dr Joanna Melonek	University of Western Australia, Australia	
Beijing: 10:25-10:50 Kansas: 20:25-20:50 (December 2 nd)	A new system for alien gene transfers	Dr Dalhoe Koo	WGRC, Kansas State University, USA	
Beijing: 10:50-11:15 Sydney: 13:50-14:15	Understanding broad-spectrum disease resistance genes from wheat	Dr Ricky Milne	CSIRO, Australia	
Beijing: 11:15-11:40 Sydney: 14:15-14:40	Combating wheat rust disease	Dr Jianping Zhang	CSIRO, Australia	



(2) Talks for Day 2: December 4th, 20:00-23:30am (Beijing time), 2021

Time	Title	Speaker	Affiliation	Chair
Beijing:20:00-20:30 Zurich:13:00-13:30	Molecular diversity in the resistance interactions of wheat and its fungal pathogens	Dr Beat Keller	University of Zurich, Switzerland	Dr Xueyong Zhang CAAS, China
Beijing:20:30-21:00	Wheat diversity under CS reference genome	Dr Xueyong Zhang	CAAS, China	
Beijing:21:00-21:30	Application of CRISPR in wheat	Dr Gao Caixia	CAS, China	
Beijing:21:30-22:00	Genetic bases underlining species/subspecies formation of allohexaploid wheat	Dr Zhongfu Ni	China Agricultural University, China	
Beijing:22:00-22:20	Oligo painting in Triticeae species	Dr Haiyan Wang	Nanjing Agricultural University (CINAU), China	Dr Caixia Lan Huazhong Agricultural University
Beijing:22:20-22:40	Variation in cis-Regulation of a NAC transcription factor contributes to drought tolerance in wheat	Dr Hude Mao	Northwest A&F University(NWAFU), China	
Beijing:22:40-23:00	Brief Introduction of recent research progresses in CINAU	Dr Xiue Wang	Nanjing Agricultural University (CINAU), China	
Beijing: 23:00-23:30 Mexico: 9:00-9:30 Kansas: 9:00-9:30 Eastern Time USA: 10:00-10:30 Perth: 23:00-23:30 Melbourne:2:00-2:30 (December 5th) Zurich: 13:00-16:30	Discussion for further collaborations Closing Remarks			Dr Bikram S Gill Kansas: 9:00-9:30