

中国农业科学院作物科学研究所

Institute of Crop Science, Chinese Academy of Agricultural Sciences (CAAS)

关于举办“中国—欧盟作物分子育种 新技术和新方法研讨会”通知

各有关科研院、校、所：

新一代测序和高通量基因型鉴定为作物遗传和育种研究提供了崭新的技术和方法，为促进这些技术和方法有效地应用于作物遗传改良、为加强欧盟和中国科学家间的合作与交流，中国农业科学院与欧盟联合资助了欧盟框架计划项目“**Breeding to Optimise Chinese Agriculture (OPTICHINA)**”。该项目将由中国农业科学院作物科学研究所、中国农业大学国家玉米改良中心、西班牙 **Barcelona** 大学和 **Lleida** 大学、英国 **Rothamsted Research** 和 **John Innes** 中心、德国 **Max-Planck** 研究所等 7 家单位执行。

根据项目内容和有关各方安排，中国农业科学院作物科学研究所、中国农业科学院国际合作局和中国农业大学国家玉米改良中心定于 2011 年 6 月 20 - 22 日在北京召开“中国—欧盟作物分子育种新技术和新方法研讨会”，有关部委领导及欧盟科研总司食品、农业、渔业和生物技术司司长 **Maive Rute** 女士将率团与会并发表讲

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话，欧盟和国内知名科学家将就高通量基因型分析、遗传转化、基因定位和标记辅助选择等领域作专题报告（具体日程附后）。现将有关事项通知如下：

时间和地点：2011 年 6 月 20 日上午在中国农科院重大工程楼（北京市中关村南大街 12 号）一楼大厅接待处报到，20 日下午至 23 日在重大工程楼二楼报告厅开会。

会务资料费：学生每人 200 元，其他人员每人 500 元；交通、住宿自理。

报名截止时间：2011 年 6 月 4 日。

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网站：<http://www.isbreeding.net>



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“中国—欧盟作物分子育种新技术和新方法研讨会”回执

(请于 2011 年 6 月 4 日前将回执寄会议联系人钱亚红, (010) 82106038,
13522624088, qianandfu2003@yahoo.com.cn)

姓名		性别		职称		联系电话	
工作单位							
通讯地址							
E-mail					是否需要宾馆预定?	<input type="checkbox"/> 是	<input type="checkbox"/> 否
如需要宾馆预定, 请选择:	<input type="checkbox"/> 北京中农招待所 (标间 190 元/天)			<input type="checkbox"/> 研究生院招待所 (标间 298 元/天)			
	<input type="checkbox"/> 中监所招待所 (标间 198 元/天)			<input type="checkbox"/> 卉园宾馆 (标间 220 元/天)			
	<input type="checkbox"/> 友谊宾馆 (标间 468 元/天)						

The China—EU Workshop on New Technologies and Methods in Crop Molecular Breeding

20 – 22 June 2011, Beijing, China

Objectives

The overall objective of the workshop is to bring researchers and end users closer together to, ensure cooperation and collaboration between ongoing European projects (both from EC and National programmes) with Chinese projects concerned with crop improvement, thus giving added value to the existing EU investment in the International Dimension of the European Research Area.

The workshops will build and link the research and end user communities and encourage and support the adoption of best practices, including standardisation of experimental resources and data description. These measures will break down barriers that limit the adoption of new technologies and identify ways to overcome such limitations. The measure will ensure the dissemination of relevant scientific information (including an inventory of available resources and datasets).

Organizing Committee

- Shumin Wang, Deputy Director General, Institute of Crop Science, CAAS
- Xifeng Gong, Deputy Director General, Department of International Cooperation, CAAS
- Jiansheng Li, Professor, National Maize Improvement Center, CAU
- Jose Luis Araus, Professor, Department of Plant Biology, University of Barcelona
- Martin Parry, Professor, Plant Science Department, Rothamsted Research
- Simon Griffiths, Professor, Department of Crop Genetics, John Innes Centre
- Jianbing Yan, Professor, National Key Laboratory of Crop Genetic Improvement, HZAU
- Guoying Wang, Professor, Institute of Crop Science, CAAS
- Lanqin Xia, Professor, Institute of Crop Science, CAAS
- Jiankang Wang, Professor, Institute of Crop Science, CAAS

Location of Registration

Reception Desk, 1st Floor, the National Key Facilities Building for Crop Gene Resources and Genetic Improvement, CAAS

Location of Opening Ceremony and Workshop

Conference Hall, 2nd Floor, the National Key Facilities Building for Crop Gene Resources and Genetic Improvement, CAAS

Program

Monday, 20 June 2011	
8:30am-2:00pm	Registration
Opening Ceremony of The EU FP7 Project OPTICHINA and The China-EU Workshop on New Technologies and Methods in Crop Molecular Breeding Chair: Dr. Xifeng Gong (DDG, Department of International Collaboration, CAAS)	
2:00-2:25pm	Welcome speeches from: Dr. Huajun Tang (Vice President, CAAS) Ms. Maive Rute (DG Research, European Commission) Senior Official (Ministry of Science and Technology of China) Dr. Philippe Vialet (Scientific Counselor, EU Delegation to China) Dr. Shumin Wang , (DDG, Institute of Crop Science, CAAS)
2:25-2:35pm	Dr. Xifeng Gong (DDG, Department of International Collaboration, CAAS) "Introduction to CAAS - EU Collaboration"
2:35-2:55pm	Dr. Jose Luis Araus (University of Barcelona) "Introduction to OPTICHINA"
2:55-3:15pm	Ms. Maive Rute (European Commission) "Introduction to EU FP" (tbd)
3:15-3:35pm	Ms. Dietlind Jering (European Commission) "Introduction to EU R&D policy" (tbd)
3:35-4:00pm	Coffee break
Session I: Perspectives of Crop Molecular Breeding Chair: Dr. Shumin Wang (DDG, Institute of Crop Science, CAAS)	
4:00-4:40pm	Martin Parry (Rothamsted Research) "Mutagenesis and TILLING in wheat"
4:40-5:20pm	Yunliu Fan (CAAS) "Progress and perspective of transformation and transgenic crops"
5:20-6:00pm	Jiansheng Li (CAU) "Progress and perspective of maize

	molecular breeding in China”
6:30-8:00pm	Dinner at Yue Gong Fu restaurant (hosted by Dr. Huajun Tang, Vice President, CAAS)
Tuesday, 21 June 2011	
Session II: High-throughput Genotyping and Germplasm Profiling Chair: Dr. Jose Luis Araus (University of Barcelona)	
8:30-9:10am	Keith Edwards (Univ of Bristol) “KASPar markers development, Genomewide SNP discovery and mapping”
9:10-9:50am	Yunbi Xu (CAAS) “Maize SNPs genotyping and genetic application”
9:50-10:30am	Jingsheng Lai (CAU) “Large scale SNP discovery”
10:30-10:50am	Coffee break
10:50-11:30am	Xueyong Zhang (CAAS) “Association mapping and design breeding in wheat”
10:30-12:10pm	Xiaohong Yang (CAU) “Maize domestication and improvement using high density SNP markers in a large scale collections”
12:30-2:00pm	Lunch at Xin Yuan Fu restaurant
Session III: Transformation and Transgenic Crops Chair: Dr. Jiansheng Li (Chinese Agricultural University)	
2:00-2:40pm	Huw Jones (Rothamsted Research) “Wheat genetic transformation in Europe” (By Skype)
2:40-3:20pm	Guoying Wang (CAAS) “Maize transformation”
3:20-4:00pm	Lanqin Xia (CAAS) “Wheat genetic transformation and its applications in China, current status and challenges”
4:00-4:20pm	Coffee break
4:20-5:00pm	Chen Hao (HZAU) “Transgenic rice”
5:00-5:40pm	Chunyi Zhang (CAAS) “Advances in plant transformation technologies”
5:40-6:20pm	General discussion
6:30-8:00pm	Dinner at Xin Yuan Fu restaurant (hosted by the Institute of Crop Science, CAAS)
Wednesday, 22 June 2011	
Session IV: TILLING and QTL Mapping Chair: Dr. Martin Parry (Rothamsted Research)	
8:30-9:10am	Trevor Wang (John Innes Centre) “TILLING”
9:10-9:50am	Jose Luis Araus (University of Barcelona) “Phenomics”
9:50-10:30am	Jianbing Yan (HZAU) “Association mapping in maize”
10:30-10:50am	Coffee break

10:50-11:30am	Yongzhong Xing (HZAU) “Rice QTL mapping and cloning”
10:30-12:10pm	Huihui Li (CAAS) “Joint linkage and association mapping”
12:30-2:00pm	Lunch at Xin Yuan Fu restaurant
Session V: Informatics and Marker Assisted Selection Chair: Dr. Yunbi Xu (CAAS)	
2:00-2:40pm	Chris Love (Rothamsted Research) “Crop informatics”
2:40-3:20pm	Simon Griffiths (John Innes Centre) “QTL analysis and application in wheat”
3:20-4:00pm	Luyan Zhang (CAAS) “An integrated tool for building linkage map and identifying QTL”
4:00-4:20pm	Coffee break
4:20-5:00pm	Xianchun Xia (CAAS) “Molecular marker development and application in wheat breeding”
5:00-5:40pm	Mingliang Xu (CAU) “Maize disease QTL cloning and MAS”
5:40-6:20pm	Jiankang Wang (CAAS) “A route from gene discovery to field breeding”
6:20pm	End of the China-EU Workshop on New Technologies and Methods in Crop Molecular Breeding
6:30-8:00pm	Dinner at Xin Yuan Fu restaurant