

“从生态系统到现代农业”国际高端学术研讨会

（通知）

由中国细胞生物学会植物器官发生专业委员会、中国植物学会植物生理及分子生物学专业委员会和JIPB联合组织的“从生态系统到现代农业”国际高端学术研讨会将于2015年6月26日至27日在兰州大学召开。会议将邀请一批国内外从事植物生物学研究的知名学者，聚焦“从生态系统到现代农业”相关前沿问题，探讨植物科学的发展前景，展示植物多样性、分子进化、植物生长发育、环境应答等领域的最新成果在现代农业中的应用，促进国内外专家与青年学者之间的互动交流。

欢迎从事相关领域研究的科研人员和研究生积极报名参加。本次会议限额300人，以收到注册费先后为序，额满为止。

一. 主办和承办单位

主办单位： 中国细胞生物学会植物器官发生专业委员会
中国植物学会植物生理及分子生物学专业委员会

承办单位： Journal of Integrative Plant Biology (JIPB)
兰州大学生命科学学院

二. 时间、地点、网站和语言

时间： 2015年6月26日-27日

地点： 兰州大学

网站： <http://www.jipb.net/jipbsymposiumlanzhou2015>

语言： 英文

三. 学术和组织委员会

学术委员会：

许智宏 院士	(北京大学)
安黎哲 教授	(兰州大学)
刘春明 研究员	(中国科学院植物研究所)
瞿礼嘉 教授	(北京大学)

杨维才 研究员 (中国科学院遗传与发育生物学研究所)
Leon V. Kochian 教授 (Cornell University, USA)
William Lucas 教授 (University of California, Davis, USA)
黎 家 教授 (兰州大学)

组织委员会:

贺 萍 (JIPB 编辑部主任)
陈凌凤 (JIPB 编辑)
刘 彤 (JIPB 编辑)
谭京晶 (JIPB 编辑)

四. 会议主题

1. 植物多样性、分子进化与生态系统
2. 功能基因组研究与现代农业

五. 会程安排

26 June, 2015

8:30-18:00 Registration

Evening Part

Chaired by Prof. Lizhe An (Lanzhou University)

19:00-19:10 Welcome speech, Prof. Cheng Wang, President of Lanzhou University

19:10-19:20 Opening remarks, Prof. Zhihong Xu, Former President of Peking University

19:20-20:00 Keynote speech-1, Prof. William J. Lucas (University of California, Davis, USA)

The Plant vascular system functions as a major communication conduit to integrate gene regulatory networks at the whole-plant level

20:00-20:40 Keynote speech-2, Prof. Kang Chong (Institute of Botany, CAS, China)

How does rice sense the cold?

27 June, 2015

Parallel Session 1: Evolution, Biodiversity and Ecosystems

Morning Part-1

Chaired by Prof. Trevor Wang (John Innes Centre, UK)

8:15-8:30 Introduction, Prof. Yongbiao Xue (Institute of Genetics & Developmental

Biology, CAS, China)

- 8:30-9:00** **Prof. Bao-Hua Song** (University of North Carolina at Charlotte, USA)
Climatic adaptation in wild soybean (*Glycine soja*) across its native geographic range in Northeast Asia
- 9:00-9:30** **Prof. Yong-Biao Xue** (Institute of Genetics & Developmental Biology, CAS, China)
Breaking down the reproductive barriers to interspecific hybridization in tomatoes
- 9:30-10:00** **Prof. Catherine Kidner** (University of Edinburgh, UK)
Understanding the role of herbivore defence in recent radiation of tropical trees
- 10:00-10:30** **Tea break**

Morning Part-2

Chaired by Prof. Steven M. Smith, (University of Tasmania, Australia)

- 10:30-11:00** **Prof. Hongya Gu** (Peking University, China)
Adaptation in periphery populations-taking Chinese *Arabidopsis thaliana* as an example
- 11:00-11:30** **Prof. Steven M. Smith** (University of Tasmania, Australia)
Stimulation of seed germination by karrikins from wildfires
- 11:30-12:00** **Prof. Jianqiang Wu** (Kunming Institute of Botany, CAS, China)
Parasitic plant, *Cuscuta australis*, transmits inter-plant herbivory-induced signals
- 12:00-13:30** **Lunch break**

Afternoon Part-1

Chaired by Prof. Jia Li (Lanzhou University, China)

- 13:30-14:00** **Prof. Sa Xiao** (Lanzhou University, China)
Facilitation of cushion plant on biodiversity and functioning in alpine ecosystem
- 14:00-14:30** **Prof. Hai-Chun Jing** (Institute of Botany, CAS, China)
Genetic control of stem juice volume in sweet sorghum
- 14:30-15:00** **Prof. Christophe Robaglia** (CNRS-CEA-Université de la Méditerranée, France)
The TOR signaling pathway in plants: At the crossroad of growth and stress adaptation
- 15:00-15:30** **Prof. Zhongchi Liu** (University of Maryland, USA)

Genomic approach in identifying gene networks that regulate strawberry fruit initiation and development

15:30-16:00 **Tea break**

Afternoon Part-2

Chaired by Prof. Minami Matsui (Riken Genomic Sciences Center, Japan)

16:00-16:30 **Prof. Minami Matsui** (Riken Genomic Sciences Center, Japan)

MOROKOSHI: A Transcriptome Database in *Sorghum bicolor*

16:30-17:00 **Prof. Kurt Fagerstedt** (University of Helsinki, Finland)

Changes in gene expression in *Arabidopsis* hemoglobin transformants during hypoxic stress

17:00-17:30 **Prof. Ildoo Hwang** (Pohang University S&T, Korea)

Balance of energy redistribution between plant growth and defense response by cytokinins

17:30-18:00 **Prof. Hong Ma** (Fudan University, China)

Resolution of angiosperm phylogeny using nuclear genes provides a framework for understanding biodiversity and evolution of plant development.

18:00-18:20 **General Discussion and Closing Remark**

Chaired by Prof. Hongya Gu (Peking University, China)

19:00 **Buffet dinner**

Parallel Session 2: From Functional Genomics to Agriculture

Morning Part-1

Chaired by Prof. Martin Parry (Rothamsted Research, UK)

8:15-8:30 **Introduction, Prof. William J. Lucas** (University of California, Davis, USA)

8:30-9:00 **Prof. Sanwen Huang** (The Institute of Vegetable and Flowers, CAAS, China)

Genomics of tomato and cucurbit domestication

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10:00-10:30 **Tea break**

Morning Part-2

Chaired by Prof. Christopher Staiger (Purdue University, USA)

- 10:30-11:00** **Prof. Christopher Staiger** (Purdue University, USA)
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- 11:00-11:30** **Prof. Vincent Bulone** (AlbaNova University Centre, Sweden)
Cellulose biosynthesis in higher plants: Fundamentals and applications
- 11:30-12:00** **Prof. Jianping Hu** (Michigan State University, USA)
Discovering new peroxisomal functions: Proteomics, reverse genetics, and agricultural implications
- 12:00-13:30** **Lunch break**

Afternoon Part-1

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- 13:30-14:00** **Prof. Weicai Yang** (IGDB-CAS)
Turgor regulation during pollen tube growth in *Arabidopsis*
- 14:00-14:30** **Prof. Zhenbiao Yang** (University of California, Riverside, USA)
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- 14:30-15:00** **Prof. Chung-Mo Park** (Seoul National University, Korea)
Alternative RNA splicing as a potential tool for protein knockdown in plants
- 15:00-15:30** **Prof. Qi Xie** (Institute of Genetics and Developmental Biology, CAS, China)
Homeostasis of ER-associated protein degradation in plant stress signaling
- 15:30-16:00** **Tea break**

Afternoon Part-2

Chaired by Prof. Weicai Yang (Institute of Genetics & Developmental Biology, CAS, China)

- 16:00-16:30** **Prof. Philip Becraft** (Iowa State University, USA)
Endosperm development in corn
- 16:30-17:00** **Prof. Jin-Sheng Lai** (China Agricultural University, China)
Functional genomics of maize endosperm development
- 17:00-17:30** **Prof. Cong-Ming Lu** (Institute of Botany, CAS, China)
The molecular mechanism of photosystem I assembly in *Arabidopsis*
- 17:30-18:00** **Prof. Martin Parry** (Rothamsted Research, UK)
Manipulation of photosynthetic carbon metabolism to increase crop yields
- 18:00-18:30** **Prof. Lixin Zhang** (Institute of Botany, CAS, China)
Retrograde signaling and chloroplast development
- 18:30-18:45** **General Discussion and Closing Remark**
Chaired by Prof. Chun-Ming Liu

19:00

Buffet dinner

六. 会议注册

为确保参会代表之间的充分交流,本会议限定注册代表 300 人,额满为止(以交注册费先后为序)。注册方式为网上注册,注册费为人民币 1000 元。

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开户银行:工行北京分行海淀西区支行

帐 号:0200004509088100989

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2、邮局汇款请汇至:

北京海淀区香山南辛村 20 号

中国科学院植物研究所 邮编:100093

JIPB 编辑部 (收)

请在附言注明“兰州会议注册费”及汇款人姓名。

七. 会议报告和会议摘要集

参会人员需向“‘从生态系统到现代农业’国际高端学术研讨会”秘书处提交不超过 500 字的英文论文摘要。摘要包括题目、作者、单位、摘要和关键词,第一或通讯作者的联系方式。提交摘要的截止日期为 2015 年 5 月 1 日,会前将出版会议摘要集。参会代表请将摘要发送至jipblanzhou2015@ibcas.ac.cn(注:提交注册费后摘要方可被会议摘要集收录)。

八. 会议食宿

会议提供 6 月 27 日中餐和晚餐,其他食宿费用自理。

九. 会议执行秘书及联系人

JIPB编辑部:陈凌凤 18600545856 010-62836133 jipblanzhou2015@ibcas.ac.cn

附件 兰州大学附近住宿推荐

(1) 兰州东方大酒店:

地址: 兰州市城关区天水南路 523 号

电话: (0931)8833555

(2) 兰州萃英大酒店

地址: 兰州市城关区天水南路 226 号

电话: (0931)8631999

(3) 兰州飞天大酒店

地址: 兰州市城关区天水南路 529 号

电话: (0931)8532888



“从生态系统到现代农业”国际高端学术研讨会

参会回执

姓名	性别	单位	摘要题目

通过大会网站注册，并尽快缴纳注册费。

1. 银行转账请汇到：

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开户银行：工行北京分行海淀西区支行

帐 号： 0200004509088100989

汇款时请注明参会人姓名和“兰州会议注册费”，并将汇款凭证扫描件和“从生态系统到现代农业”国际高端学术研讨会回执发送至jipblanzhou2015@ibcas.ac.cn。

2. 邮局汇款请汇到：

邮编：100093

北京市海淀区香山南辛村 20 号

中国科学院植物研究所图资楼 121 房间

JIPB 编辑部（收）

请在附言注明“兰州会议注册费”及汇款人姓名。

有意参加者，请于 2015 年 5 月 1 日前发回参会回执。

International Symposium:
From Ecosystems to Modern Agriculture
(announcement)

Chinese Society for Cell Biology (CSCB) and Botanical Society of China (BSC) will jointly organize the International Symposium on 'From Ecosystems to Modern Agriculture' in Lanzhou University from June 26 to June 27, 2015. The symposium aims to provide to the audience the latest development and cutting edge technology in the area of ecosystems and modern agriculture. Over 30 international well-known scientists are invited to give speeches in this symposium. Topics covered include, but not limited to, plant diversity, molecular evolution, cell biology, plant growth and development, and abiotic responses. We believe the symposium will provide a platform for participants to communicate new ideas, discuss new technologies and explore future collaborations. The official language of the symposium is English. The total number of participants is limited to 300. Please register as soon as possible.

Themes: Evolution, Biodiversity and Ecosystems
From Functional Genomics to Agriculture

Organized by: Division of Plant Organogenesis, Chinese Society for Cell Biology
Division of Plant Molecular Genetics, Botanical Society of China

Co-organized by: Journal of Integrative Plant Biology (JIPB)
School of Life Sciences, Lanzhou University

Date: June 26th to June 27th, 2015

Location: Lanzhou University, Gansu Province, China

Website: <http://www.jipb.net/jipbsymposiumlanzhou2015>

Official language: English

Organizing Committee

Scientific Committee:

Zhihong Xu (Peking University, China)

Lizhe An (Lanzhou University, China)

Chun-Ming Liu (Institute of Botany, CAS, China)

Li-Jia Qu (Peking University, China)

Wei-Cai Yang (Institute of Genetics & Developmental Biology, CAS, China)

Leon V. Kochian (Cornell University, USA)

William J. Lucas (University of California, Davis, USA)

Jia Li (Lanzhou University, China)

Supporting Staff:

Ping He (Editorial Office Director of JIPB)

Ling-Feng Chen (Editorial Staff of JIPB)

Tong Liu (Editorial Staff of JIPB)

Jing-Jing Tan (Editorial Staff of JIPB)

Symposium Program

26 June, 2015

8:30-18:00 **Registration**

Evening Part

Chaired by Prof. Lizhe An (Lanzhou University)

19:00-19:10 **Welcome speech**, Prof. Cheng Wang, President of Lanzhou University

19:10-19:20 **Opening remarks**, Prof. Zhihong Xu, Former President of Peking University

19:20-20:00 **Keynote speech-1**, Prof. William J. Lucas (University of California, Davis, USA)

The Plant vascular system functions as a major communication conduit to integrate gene regulatory networks at the whole-plant level

20:00-20:40 **Keynote speech-2**, Prof. Kang Chong (Institute of Botany, CAS, China)

How does rice sense the cold?

27 June, 2015

Parallel Session 1: Evolution, Biodiversity and Ecosystems

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9:00-9:30 **Prof. Yong-Biao Xue** (Institute of Genetics & Developmental Biology, CAS, China)
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9:30-10:00 **Prof. Catherine Kidner** (University of Edinburgh, UK)
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10:00-10:30 Tea break

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Parasitic plant, *Cuscuta australis*, transmits inter-plant herbivory-induced signals

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- 18:00-18:20** **General Discussion and Closing Remark**
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19:00 **Buffet dinner**

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10:00-10:30 Tea break

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10:30-11:00 **Prof. Christopher Staiger** (Purdue University, USA)
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Chaired by Prof. Weicai Yang (Institute of Genetics & Developmental Biology, CAS, China)

- 16:00-16:30** **Prof. Philip W. Becraft** (Iowa State University, USA)
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Manipulation of photosynthetic carbon metabolism to increase crop yields
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Retrograde signaling and chloroplast development
- 18:30-18:45** **General Discussion and Closing Remark**
Chaired by Prof. Chun-Ming Liu
- 19:00** **Buffet dinner**

General Registration

Registration fee: RMB 1,000 (USD \$160), excluding accommodation, free lunch and dinner will be provided on June 27th.

Registration procedure:

1) Fill in the online registration form (<http://www.jipb.net/jipbsymposiumlanzhou2015>)

2) Pay the registration fee by bank transfer, check, or through post office.

Bank transfer:

Institution: Institute of Botany, Chinese Academy of Sciences

Bank: West Haidian District Subbranch, Beijing Branch, Industrial and Commercial Bank of China (ICBC)

Account number: 0200004509088100989

Address: 65 West Road, Beisihuan, Haidian District, Beijing, 100083

Swift code: ICBKCNBJBJM

Together with notes: 1) your name, 2) institution name and 3) Lanzhou Symposium 2015

4) Please send the photocopy of your payment proof, together with return form to

jipblanzhou2015@ibcas.ac.cn by email.

Check can be sent to:

Editorial Office of Journal of Integrative Plant Biology

Institute of Botany, Chinese Academy of Sciences

Nanxincun 20, Haidian District, Beijing, China

Postcode: 100093

Together with notes: 1) your name, 2) institution name and 3) Lanzhou Symposium 2015

Abstract Submission

- All participants shall submit their abstracts to the symposium secretariat through email jipblanzhou2015@ibcas.ac.cn.
- Abstracts should be no more than 500 words and should include a title, authorship, and institution, a brief presentation of the work, and keywords, as well as contact address of the first author or corresponding author.

Deadline: Please submit abstract before May 1st, 2015. **Please note that abstracts will be included only if the registration fee was received before May 1st.**

If you have difficulties with the submission, please contact Ling-Feng Chen at the JIPB

Editorial Office: jipblanzhou2015@ibcas.ac.cn.

Contact information:

Ms. Ling-Feng Chen

The Editorial Office

Journal of Integrative Plant Biology

Institute of Biology, CAS

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Beijing 100093, China

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Fax: +86 10 8259 2636

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**International Symposium: From Ecosystems to Modern
Agriculture
Return form**

Name		Gender	
Organization			
Title of the abstract			

Please fill in the form and return to: jipblanzhou2015@ibcas.ac.cn

Hotel information (book the hotel by yourself)

- 1) **Oriental Hotel:** 3-star hotel situated in the heart of Lanzhou. It is close to Lanshan Park, Wuquan Park, and Lanzhou University.

Address: No.523 Tianshui South Road, Chengguan District, Lanzhou

Post Code: 730000; Tel: (86-931) 8833555

- 2) **Tsuiying Hotel:** 4-star hotel situated in Lanzhou University.

Address: No.226 Tianshui South Road, Lanzhou; Tel: (86-400) 6169889

3) Lanzhou Legend Hotel: 4-star hotel close to Lanzhou University.

Web Site:<http://www.lanzhoulegendhotel.com/>

Address: No.529 Tianshui South Road Lanzhou; Post Code: 730000

Tel: (86-931) 8532888; Fax: (86-931) 853 2333

E-Mail: legend@ LanzhouLegendHotel.com