



第四届国际植物维管生物学学术研讨会

尊敬的_____先生/女士，您好！

第四届国际植物维管生物学学术研讨会将于2016年07月在深圳召开。

会议通知

作为2017年在深圳召开的“第十九届国际植物学大会”的卫星会议，**第四届国际植物维管生物学学术研讨会**（简称：PVB-2016）拟于**2016年7月19日-23日**在**深圳麒麟山庄**召开。预计总人数300人（其中外宾150人）。国际植物维管生物学学术研讨会是国际植物学界的高端学术会议，每三年举办一次，目前已经举办三届（2007：中国台北，2010：美国俄亥俄，2013：芬兰赫尔辛基）。受国际植物维管生物学学术研讨会学术委员会委托，“第四届国际植物维管生物学学术研讨会”将在中国深圳召开，由中国植物学会植物生理及分子生物学专业委员会主办，中国科学院植物分子生理学重点实验室承办。本次会议研讨内容包括植物维管组织的结构、发育、演化和功能、信号转导、物质运输、逆境响应等重要专题，探讨植物维管束功能及其农业、林业及生物能源领域的应用前景等，展示我国在本领域的最新研究进展，拓展我国在维管生物学领域的国际影响力。

组织机构

大会学术委员会

Hiroo Fukuda (University of Tokyo, Japan)
Ykä Helariutta (University of Cambridge, UK)
Thomas Greb (Gregor Mendel Institute, Austria)
Mechthild Tegeder (Washington State University, USA)
Julia Kehr (University of Hamburg, Germany)
Jae-Yean Kim (Gyeongsang National University, South Korea)
Pradeep Kachroo (University of Kentucky, USA)
Ulrich Hammes (University of Regensburg, Germany)
Na-Sheng Lin (Academia Sinica, Taiwan)
Leslie E. Sieburth (University of Utah, USA)
Carl Douglas (University of British Columbia, Canada)
Yong-Ling Ruan (University of Newcastle, Australia)
Joan Laur (University of Alberta, Canada)
Christine Beveridge (University of Queensland, Australia)
Chun-Ming Liu (Institute of Botany, CAS)
William Lucas (University of California, Davis, USA)
Li-Jia Qu (Peking University)
Mengzhu Lu (Chinese Academy of Forest Research)
Yuling Jiao (Institute of Genetics and Developmental Biology, CAS)
Laigeng Li (Shanghai Institute of Plant Physiology and Ecology, CAS)

大会组织委员会主席

Chun-Ming Liu (Institute of Botany, CAS)
William Lucas, (University of California, Davis, USA)

大会组织委员会副主席

Li-Jia Qu (Peking University)

Mengzhu Lu (Chinese Academy of Forest Research)
Yuling Jiao (Institute of Genetics and Developmental Biology, CAS)

大会组织委员会委员

Laigeng Li (Shanghai Institute of Plant Physiology and Ecology, CAS)
Jianru Zuo (Institute of Genetics and Developmental Biology, CAS)
Sanwen Huang (Shenzhen Agri-Genomic Research Institute, CAAS)
Song Ge (Institute of Botany, CAS)

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会议名称：第四届国际植物维管生物学学术研讨会

会议时间：2016年7月19-23日

会议地点：深圳麒麟山庄

会议日程

Tuesday, 19 July 2016	
10:00-21:00	Registration
Wednesday, 20 July 2016	
08:30	Welcoming Remarks
08:40	Keynote Speech: Plant Vascular Biology: Past, Present and Future William Lucas (UC Davis, USA)
09:15	Professor Biao Ding Memorial Lecture: Transcriptional Regulation by Small RNAs and Argonautes Yijun Qi (Tsinghua University, China)
10:00	Coffee Break
10:30-12:00	Session I. Cambial Meristem Development and Vascular Patterning
10:30	Bert de Rybel (Ghent University, Belgium): Genetic and Hormonal Control of Vascular Cell Proliferation
11:00	Ari Pekka Mähönen (University of Helsinki, Finland): Cell Fate Decisions in the Arabidopsis Root Cambium
11:30	Talk to be selected from submitted abstracts
11:45	Talk to be selected from submitted abstracts
12:00-13:30	Lunch
13:30-15:00	Session II. Development of Vascular Tissues: Xylem and Phloem Cell Differentiation
13:30	Christian Hardtke (University of Lausanne, Switzerland): Receptor-like Kinase Pathways in Phloem Differentiation
14:00	Chun-Ming Liu (Institute of Botany, CAS, China): CLE Peptide and Phloem Differentiation in Arabidopsis
14:30	Xiaoya Lin (Peking-Tsinghua Center of Life Sciences, China) Development of Vascular Tissues: Xylem and Phloem Cell Differentiation
14:45	Talk to be selected from submitted abstracts

15:00	Coffee Break
15:15– 17:00	Session II. Development of Vascular Tissues: Xylem and Phloem Cell Differentiation (Continued)
15:15	Antia Rodriguez-Villalon (ETH, Zürich, Switzerland): Plant Phospholipids: The New Gatekeepers of Vascular Cell Differentiation
15:45	Yihua Zhou (Institute of Genetics & Developmental Biology, CAS, China): Secondary Wall Biosynthesis is Essential for Functions of the Vascular System in Rice
16:15	Talk to be selected from submitted abstracts
16:30	Talk to be selected from submitted abstracts
16:45	Talk to be selected from submitted abstracts
17:00	Coffee Break
17:15– 19:00	Session III. Secondary Growth in Woody Species
17:15	Antia Rodriguez-Villalon (ETH, Zürich, Switzerland): Plant Phospholipids: The New Gatekeepers of Vascular Cell Differentiation
17:45	Laigeng Li (Institute of Plant Physiology & Ecology, CAS, China): Understanding Receptor-like Kinase (RLK) Function in the Process of Secondary Growth
18:15	Talk to be selected from submitted abstracts
18:30	Talk to be selected from submitted abstracts
18:45	Talk to be selected from submitted abstracts
19:00	Welcome Reception
Thursday, 21 July 2016	
08:30– 10:30	Session III. Secondary Growth in Woody Species (Continued)
08:30	Matias Kirst (University of Florida, USA): EVE Regulates Vessel Element Size and Number
09:00	Meng-Zhu Lu (Chinese Academy of Forestry, China): Identification of Regulators Involved in Development of Secondary Xylem Differentiation in Poplar
09:30	Vincent Chiang (North Carolina State University, USA): Regulation of Lignin Biosynthesis in <i>Populus trichocarpa</i>
10:00	Talk to be selected from submitted abstracts
10:15	Talk to be selected from submitted abstracts
10:30	Coffee Break
11:00– 12:30	Session IV. Mechanisms of Vascular Transport (Xylem and Phloem)
11:00	Michael Knoblauch (Washington State University, Pullman, USA): Long-distance Phloem Transport: How Plants Alter Sieve Tube Physiology and Geometry to Maintain Sink Support
11:30	David Braun (University of Missouri, USA): Transporters Controlling Sucrose Phloem Loading in Cereals
12:00	Talk to be selected from submitted abstracts
12:15	Talk to be selected from submitted abstracts
12:30– 13:30	Lunch
13:30– 15:00	Session IV. Mechanisms of Vascular Transport (Continued)
13:30	Joan Laur (University of Alberta, Canada): Aquaporins in Plants: The Physiological Significance of Water Channel Proteins
14:00	Rainer Hedrich (University of Würzburg, Germany) Electrical Wiring and Long-Distance Plant Communication
14:30	Talk to be selected from submitted abstracts
14:45	Talk to be selected from submitted abstracts
15:00	Talk to be selected from submitted abstracts

15:15	Coffee Break
15:45– 17:50	Poster Session I
18:00	Dinner
Friday, 22 July 2016	
08:30– 10:30	Session V. Vascular Trafficking and Development
08:30	Christine Beveridge (University of Queensland, Australia): Sugar Demand, Not Auxin, is the Initial Regulator of Apical Dominance
09:00	Yuling Jiao (Institute of Genetics & Developmental Biology, CAS, China): Long-distance Transport-mediated Cell Fate Control in the Shoot Apex
09:30	Xiangdong Fu (Institute of Genetics and Developmental Biology, CAS, China): The Mobile Arabidopsis HY5 Protein Coordinates Plant Growth and Nutrition
10:00	Talk to be selected from submitted abstracts
10:15	Talk to be selected from submitted abstracts
10:30	Coffee Break
11:00– 12:30	Session V. Vascular Trafficking and Development (Continued)
11:00	Tien-Shin Yu (Academia Sinica, Taiwan, China): Systemic Signals Involved in Inhibition of Floral Initiation
11:30	Byung-Kook Ham (University of California, USA): Ribonucleoprotein Complexes as Vehicles for Long-distance Trafficking of siRNA and mRNA
12:00	Fritz Kragler (MPI, Golm, Germany): Long-distance Transported mRNAs and Mobility Motif(s) in <i>A. thaliana</i>
12:30– 13:30	Lunch
13:30– 15:30	Session VI. Integrative Plant Vascular Biology
13:30	Thomas Greb (Heidelberg University, Germany): Long- and Short-distance Signaling in the Regulation of Lateral Plant Growth
14:00	Mechthild Tegeder (Washington State University, Pullman, USA): Altering Source-to-Sink Transport of Nitrogen to Improve Crop Productivity
14:30	Ulrich Hammes (University of Regensburg, Germany): Phloem Unloading: Seed and Root Development Depend on UmamiT Amino Acid Facilitators
15:00	Talk to be selected from submitted abstracts
15:15	Talk to be selected from submitted abstracts
15:30	Coffee Break
16:00– 18:30	Session VI. Integrative Plant Vascular Biology (Continued)
16:00	Yong-Ling Ruan (University of Newcastle, Australia): Cell Wall Invertase as a Functional Component for Vascular Evolution and Phloem Unloading
16:30	Talk to be selected from submitted abstracts
16:45	Talk to be selected from submitted abstracts
17:00– 18:30	Poster Session II
18:30	Conference Dinner
Saturday, 23 July 2016	
08:30– 10:30	Session VII. Biotic Plant Interactions
08:30	Ted Farmer (University of Lausanne, Switzerland): Long-distance Wound Signaling Systems in Plants

09:00	Pradeep Kachroo (University of Kentucky, USA): Chemical Signaling and Transport of Signals during Systemic Immunity
09:30	Uwe Sonnewald (University of Erlangen-Nürnberg, Germany): How Potato Plants Take the Heat?
10:00	Talk to be selected from submitted abstracts
10:15	Talk to be selected from submitted abstracts
10:30	Coffee Break
11:00–11:30	Closing Remarks
11:45	Lunch

会议嘉宾

大会特邀报告人

Christine Beveridge (University of Queensland, Australia)
David Braun (University of Missouri, USA)
Vincent Chiang (North Carolina State University, USA.)
Ted Farmer (University of Lausanne, Switzerland)
Xiangdong Fu (Institute of Genetics and Developmental Biology, CAS, China)
Thomas Greb (Heidelberg University, Germany)
Andrew Groover (USDA Forest Service & UC Davis)
Byung-Kook Ham (University of California, USA)
Ulrich Hammes (University of Regensburg, Germany)
Christian Hardtke (University of Lausanne, Switzerland)
Pradeep Kachroo (University of Kentucky, USA)
Matias Kirst (University of Florida, USA)
Michael Knoblauch (Washington State University, Pullman, USA)
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Yijun Qi (Tsinghua University, China)
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Yuling Jiao (Institute of Genetics & Developmental Biology, CAS)

会议门票

注册费:

注册类别	5月1日前	6月1日前	6月2日后
普通代表	4000元	4500元	5000元
博士后代表	3200元	3800元	4500元
学生代表	2700元	3200元	3700元

***备注：**

学生代表均需注册时出示全日制学生证明。

注册费包含内容：

普通代表：注册费包含参加全程会议、展览、会议期间茶歇、会议期间午晚餐。

