2015 年 JIPB 科学论文写作培训班

（第二轮通知）

科学论文是学术研究成果的主要传播方式，也是学者之间交流沟通的桥梁。为提高科研人员的英文科学论文写作水平，培养年轻作者，Journal of Integrative Plant Biology (JIPB) 编辑部联合广东省农业科学院农业生物基因研究中心主办【科学论文写作规范培训班】。这是JIPB举办的第九次“科学论文写作培训班”，由美国马萨诸塞大学的Tobias Baskin教授主讲、JIPB主编刘春明研究员辅讲，内容涵盖科学论文写作规范、写作技巧以及如何避免触犯学术错误等专题。该培训班面向国内科研人员、研究生以及科技期刊编辑出版人员。全程参加学习者可获得结业证书。限定参加人数120人，额满为止。

一、主办:

主办单位：Journal of Integrative Plant Biology (JIPB), 主编：刘春明研究员。

JIPB是由中国科学院主管、中国科学院植物研究所和中国植物学会共同主办的植物学综合性国际英文学术期刊。该刊创办于 1952年，2002年改为全英文出版，从 2005年起由Blackwell Publishing出版（现为Wiley），同年更名为Journal of Integrative Plant Biology。JIPB面向全球出版发行，刊登植物生物学研究领域具有创新性的重要研究论文、特邀综述、短文、新技术文章和评论性文章。JIPB的两年影响因子为3.335, 五年影响因子为3.353。JIPB在国际200种SCI植物科学期刊中排名第31位，在中国所有SCI学术期刊排名第八。目前，JIPB已被包括PubMed、SCI、Google Scholar、CA、BA和BIOSIS等67个国际重要检索机构收录；拥有全球14,500余家机构订阅；每年全文下载量超过27万次。自创刊起的所有文章都可直接网上查阅(www.jipb.net)。

协办单位：广东省农业科学院农业生物基因研究中心，主任：陈庄研究员。

广东省农业科学院农业生物基因研究中心为省属公益型科研机构，主要开展农业生物物种资源基础理论与应用研究、农业生物转基因研究，提供农业生物基因鉴评、保存及信息共享等服务。中心创建于2012年，现有职工39名和研究室4个：基因组学研究室（含功能基因组研究团队和生物信息研究团队）、蛋白质组学研究室（含蛋白质组研究团队和代谢组学研究团队）、细胞生物学研究室和种质资源鉴评研究室。中心依托高分辨质谱系统、个体化全自动测序系统、激光共聚焦显微镜和激光显微切割等核心仪器群，以及种质资源冷库200m³和田间智能实验室2800㎡等设施，可为广东乃至全国提供农业研究硬件支持和技术服务。中心将持续以科技创新驱动为主线，不断提升科研服务水平，为全面提升广东农业科技创新能力作贡献。

二、时间、地点和语言

时间：2015年12月8日– 9日

地点：广东省农业科学院（广州市天河区金颖路20号）

语言：英文

三、主讲人和辅讲人

Prof. Tobias Baskin

Prof. Chun-Ming Liu

主讲人：Prof. Tobias Baskin, 美国马萨诸塞大学教授, 国际知名植物细胞生物学家，曾任 *Plant and Cell Physiology* (2008 – 2011) 编委，现任*Planta* (1998 – present), *Cytoskeleton* (2001 – present), *Plant Methods* (2005 – present), *Journal of Integrative Plant Biology* (2009 – present), *PLoS ONE* (Associate Editor, 2012 – present)编委

部分发表论文:

1. Burkart GM, Baskin TI, Bezanilla M （2015）A family of ROP proteins that suppresses actin dynamics, and is essential for polarized growth and cell adhesion. **J Cell Sci** 128: 2553–2564
2. Baskin TI (2015) Auxin inhibits expansion rate independently of cortical microtubules. Trends Plant Sci doi: 10.1016/j.tplants.2015.05.008
3. Zhu C, Ganguly A, Baskin TI, McClosky DD, Anderson CT, Foster C, Meunier KA, Okamoto R, Berg H, Dixit R (2015) The fragile Fiber1 kinesin contributes to cortical microtubule-mediated trafficking of cell wall components. **Plant Physiol** 167: 780–792
4. Baskin TI (2015) Upward organelle motility. **J Integr Plant Biol** 57: 2–3
5. Rutschow HL, Baskin TI, Kramer EM (2014) The carrier AUXIN RESISTANT (AUX1) dominates auxin flux into Arabidopsis protoplasts. **New Phytol** 204:536–544
6. Murata T, Baskin TI (2014) Imaging the mitotic spindle by spinning disk microscopy in tobacco suspension cultured cells. **Methods Mol Biol** 1136: 47–55
7. Baskin TI (2013) Embracing the integrative. **J Integr Plant Biol** 55: 890–891
8. Baskin TI, Jensen OE (2013) On the role of stress anisotropy in stems. **J Exp Bot** 64: 4697–4707
9. Baskin TI (2013) Patterns of root growth acclimation: Constant processes, changing boundaries. **WIREs Dev Biol** 2: 65–73
10. Wu S, Baskin TI, Gallagher KL (2012) Mechanical fixation techniques for processing and orienting delicate samples, such as the root of *Arabidopsis thaliana*, for light or electron microscopy. **Nat Protoc** 7: 1113–1124

11. Rahman A, Takahashi M, Shibasaki K, Wu S, Inaba T, Tsurumi S, Baskin TI (2010) Gravitropism of *Arabidopsis thaliana* roots requires the polarization of PIN2 toward the root tip in meristematic cortical cells. **Plant Cell** 22: 1762–1776
12. Gu Y, Kaplinsky N, Bringmann M, Cobb A, Carroll A, Sampathkumar A, Baskin TI, Persson S, Somerville C (2010) Identification of a novel CESA-associated protein required for cellulose biosynthesis. **Proc Natl Acad Sci USA** 107: 12866–12871
13. Wu S, Scheible WR, Schindelasch D, Van Den Daele H, De Veylder L, Baskin TI (2010) A conditional mutation in arabidopsis separase induces chromosome non-disjunction, aberrant morphogenesis, and cyclin B1;1 stability. **Development** 137: 953–961
14. Bannigan A, Scheible WR, Lukowitz W, Fagerstrom C, Wadsworth P, Somerville C, Baskin TI (2007) A conserved role for kinesin-5 in plant mitosis. **J Cell Sci** 120: 2819–2827
15. Murata T, Sonobe S, Baskin TI, Hyodo S, Hasezawa S, Nagata T, Horio T, Hasebe M (2005) Microtubule-dependent microtubule nucleation based on recruitment of γ-tubulin in higher plants. **Nat Cell Biol** 7: 961–968
16. Baskin TI (2005) Anisotropic expansion of the plant cell wall. **Ann Rev Cell Dev Biol** 21: 203–222
17. Marga F, Grandbois M, Cosgrove DJ, Baskin TI (2005) Cell wall extension results in the coordinate separation of parallel microfibrils: Evidence from scanning electron microscopy and atomic force microscopy. **Plant J** 43: 181–190
18. van der Weele CM, Jiang H, Palaniappan KK, Ivanov VB, Palaniappan K, Baskin TI (2003) A new algorithm for computational image analysis of deformable motion at high spatial and temporal resolution applied to root growth: Roughly uniform elongation in the meristem and also, after an abrupt acceleration, in the elongation zone. **Plant Physiol** 132: 1138–1148
19. Ma Z, Baskin TI, Brown KM, Lynch JP (2003) Regulation of root elongation under phosphorus stress involves changes in ethylene responsiveness. **Plant Physiol** 131: 1381–1390
20. Baskin TI (2001) On the alignment of cellulose microfibrils by cortical microtubules: A review and a model. **Protoplasma** 215: 150–171
21. Baskin, TI (2000) The cytoskeleton. In: Buchanan B, Gruissem W, Jones R, eds. *Biochemistry and Molecular Biology of Plants*. ASPP press, Rockville MD. pp. 202–258
22. Beemster GTS, Baskin TI (1998) Analysis of cell division and elongation underlying the developmental acceleration of root growth in *Arabidopsis thaliana*. **Plant Physiol** 116: 1515–1526
23. Baskin TI, Wilson JE (1997) Inhibitors of protein kinases and phosphatases alter root morphology and disorganize cortical microtubules. **Plant Physiol** 113: 493– 502
24. Baskin TI, Wilson JE. Cork A, Williamson RE (1994) Morphology and microtubule organization in arabidopsis roots exposed to oryzalin or taxol. **Plant Cell Physiol** 35: 935–944

25. Baskin TI, Betzner AS, Hoggart R, Cork A, Williamson RE (1992) Root morphology mutants in *Arabidopsis thaliana*. **Aust J Plant Physiol** 19: 427– 437
26. Baskin TI, Cande WZ (1990) The structure and function of the mitotic spindle in flowering plants. **Ann Rev Plant Physiol Plant Mol Biol** 41: 277– 315
27. Baskin TI, Briggs WR, Iino M (1986) Can lateral distribution of auxin account for phototropism of maize coleoptiles? **Plant Physiol** 81: 306–309

辅讲人：刘春明，博士，现任中国科学院植物研究所研究员、中国科学院大学岗位教授、科技部重大研究计划首席科学家、中国科学院植物分子生理学重点实验室主任、JIPB 主编、Frontier of Plant Science 和 PMBR 的副主编，国家杰出青年基金获得者。

部分发表论文 (*通讯作者)：

1. Guo L, Liu CM* (2015) A single-nucleotide exon found in *Arabidopsis*. **Scientific Report** accepted.
2. Wu X, Liu J, Li D, Liu CM* (2015) Rice caryopsis development: Dynamic changes in different cell layers. **J Integr Plant Biol** DOI: 10.1111/jipb.12440
3. Bai AN, Lu XD, Li DQ, Liu JX, Liu CM* (2015). NF-YB1-regulated expression of sucrose transporters in aleurone facilitates sugar loading to rice endosperm. **Cell Res** doi: 10.1038/cr.2015.116
4. Xu TT, Ren SC, Song XF, Liu CM* (2015) CLE19 expressed in the embryo regulates both cotyledon establishment and endosperm development in *Arabidopsis*. **J Exp Bot** 66:5217–5227.
5. Yan SJ, Liang YT, Zhang JD, Chen Z, Liu CM* (2015) Autoxidated linolenic acid inhibits aflatoxin biosynthesis in *Aspergillus flavus* via oxylipin species. **Fungal Genet Biol** 81:229–237.
6. Liu CM* (2015) AUXIN BINDING PROTEIN 1 (ABP1): A matter of fact. **J Integr Plant Biol** 57: 234–235
7. Zhang JD, Han LD, Yan SJ, Liu CM* (2014) The non-metabolizable glucose analog D-glucal inhibits aflatoxin biosynthesis and promotes kojic acid production in *Aspergillus flavus*. **BMC Microbiol** 14: 95–104
8. Xu TT, Song XF, Ren SC, Liu CM* (2013) The sequence flanking the N-terminus of the CLV3 peptide is critical for its cleavage and activity in stem cell regulation in *Arabidopsis*. **BMC Plant Biol** 13:225
9. Li S, Chen M. Yu D, Ren S, Sun S, Liu L, Ketelaar, T, Emons AM and Liu CM* (2013) EXO70A1-mediated vesicle trafficking is critical for tracheary element development in *Arabidopsis*. **Plant Cell** 25: 1774–1786
10. Song XF, Guo P, Ren SC, Xu TT, Liu CM* (2013) Antagonistic peptide technology for functional dissection of CLE genes in *Arabidopsis*. **Plant Physiol** 161: 1076–1085
11. Song XF, Yu DL, Xu TT, Ren SC, Guo P, Liu CM* (2012) Contributions of individual amino acid residues to the endogenous CLV3 function in shoot apical meristem maintenance in *Arabidopsis*. **Mol Plant** 5:515–523
12. Zhang S, Haider I, Kohlen W, Jiang L, Bouwmeester H, Meijer AH, Schluepmann H, Liu CM*, Ouwerkerk PB* (2012) Function of the HD-Zip I gene Oshox22 in ABA-mediated drought and salt tolerances in rice. **Plant Mol Biol** 80:571–585
13. Yu D, Jiang L, Gong H, Liu CM* (2012) *EMBRYONIC FACTOR 19* encodes a PPR protein

that is essential for the initiation of zygotic embryogenesis in *Arabidopsis*. **J Integr Plant Biol** 54:55–64

14. Li S, Os G van, Ren S, Yu D, Ketelaar T, Emons A and Liu CM* (2010) Expression and functional analyses of EXO70 genes in *Arabidopsis* implicate their roles in regulating cell type-specific exocytosis. **Plant Physiol** 154: 1819–1830
15. Liu CM*, Hu Y (2010) Plant stem cells and their regulations in shoot apical meristems. **Fronti Biol** 5: 417–423
16. Song X, Guo P, Li C, Liu CM.* (2010) The cysteine pairs in CLV2 are not necessary for sensing the CLV3 peptide in shoot and root meristems. **J Integr Plant Biol** 52:774–781
17. Fiers M, Ku KL, Liu CM* (2007) CLE peptide ligands and their roles in establishing meristems. **Curr Opin Plant Biol** 10:39–43
18. Fiers M, Golemiec E, van der Schors R, van der Geest L, Li KW, Stiekema WJ, Liu CM* (2006) The CLV3/ESR motif of CLV3 is functionally independent from the non-conserved flanking sequences. **Plant Physiology** 141:1284–1294
19. Fiers M, Golemiec E, Xu J, van der Geest L, Heidstra R, Stiekema W, Liu CM* (2005) The 14-Amino Acid CLV3, CLE19 and CLE40 Peptides Trigger Consumption of the Root Meristem in *Arabidopsis* through a CLAVATA2-Dependent Pathway. **Plant Cell** 17: 2542–2553
20. Xu J, Zhang HY, Xie CH, Xue HW, Dijkhuis P, Liu CM* (2005) EMBRYONIC FACTOR 1 encodes an AMP deaminase and is essential for the zygote to embryo transition in *Arabidopsis*. **Plant J**. 42:743–756
21. Fiers M, Hause G, Boutilier K, Casamitjana-Martinez E, Weijers D, Offringa R, van der Geest L, van Lookeren Campagne M, Liu CM* (2004) Mis-expression of the CLV3/ESR-like gene CLE19 in *Arabidopsis* leads to a consumption of root meristem. **Gene** 327: 37–49
22. Liu CM, McElver J, Tzafrir I, Joosen R, Wittich P, Patton D, Van Lammeren AA, Meinke D. (2002) Condensin and cohesin knockouts in *Arabidopsis* exhibit a titan seed phenotype. **Plant J** 29:405–415
23. Liu CM, Meinke DW. (1998) The titan mutants of *Arabidopsis* are disrupted in mitosis and cell cycle control during seed development. **Plant J** 16:21–31
24. Liu CM, Xu ZH, Chua NH. (1993) Proembryo culture: In vitro development of early globular-staged zygotic embryos of *Brassica juncea*. **Plant J**3: 291–300
25. Liu CM, Xu ZH, Chua NH (1993) Auxin polar transport is essential for the establishment of bilateral symmetry during early plant embryogenesis. **Plant Cell** 5: 621–630

四. 日程

Schedule for JIPB Workshop on Scientific Writing 2015	
December 8 (Tuesday) Location: Meeting Hall, 14th floor of Chuangxin Building, Guangdong Academy of Agricultural Sciences (GDAAS)	
7:30 – 8:30	**Registration**
8:30 – 8:50	**Opening Ceremony** *Prof. Chun-Ming Liu* (JIPB Editor-in-Chief, Institute of Botany, CAS) *Prof. Zhuang Chen* (The Director of Agro-biological Gene Research Center of GDAAS)
	Chair: Prof. Chun-Ming Liu
8:50 – 10:00	Managing Information Flow to Write with Impact *Prof. Tobias I. Baskin* (JIPB Co-Editor, University of Mass Amherst, USA)
10:00 – 10:30	*Group Photo & Tea Break*
10:30 – 11:30	Power Usage-Quirks of English *Prof. Tobias I. Baskin*
11:30 – 12:00	JIPB's Current Situation and Future Development *Prof. Chun-Ming Liu*
12:00 – 13:30	*Lunch*
13:30 – 15:00	Four Guidelines for Clear Writing *Prof. Tobias I. Baskin*
15:00 – 15:30	*Tea Break*
15:30 – 17:00	How to Write a Paper *Prof. Tobias I. Baskin*
December 9 (Wednesday) Location: Meeting Hall, 14th floor of Chuangxin Building, Guangdong Academy of Agricultural Sciences	
	Chair: Prof. Chun-Ming Liu
8:00 – 9:00	Case Studies: Evaluation of a Manuscript
9:00 – 10:30	5 Mins Presentation from Each Group for the Case *Profs. Tobias I. Baskin* and *Chun-Ming Liu*
10:30 – 11:00	*Tea Break*
11:00 – 12:00	Ethics in Scientific Research and Publishing *Prof. Tobias I. Baskin*
12:00 – 12:20	Concluding Remarks **(**Chaired by Prof. Chun-Ming Liu)
12:30 – 13:30	*Lunch*

五、培训班注册

注册费：800元/人。

汇款至：单位名称：中国科学院植物研究所

开户行：工行北京分行海淀西区支行

账号：0200004509088100989 。另：付款时请务必注明“科学论文写作规范培训班注册费（广州）”及交费人单位和姓名。

欢迎通过邮局汇款

请汇至：北京海淀区香山南辛村20号（邮编：100093）

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“科学论文写作规范培训班注册费（广州）”及汇款人姓名。

请于2015年11月30日前将培训班回执单(附件)发送给陈凌凤老师

E-mail: jipbmeeting@ibcas.ac.cn。

六、培训班食宿

培训班提供12月8日、9日中餐，其他食宿费用自理。

七、联系人

主办单位联系人：

北京海淀区香山南辛村20号

中国科学院植物研究所JIPB编辑部

陈凌凤

邮编：100093

电话：010-62836133；传真：010-82592636

邮箱：jipbmeeting@ibcas.ac.cn

网页：http://www.jipb.net

协办单位联系人：

晏石娟

基因中心/代谢组学平台

广东省广州市天河区金颖路20号创新大楼西裙楼401

电话：020-85161082

邮箱：shijuan@agrogene.ac.cn

附：

1. 参加培训回执

科学论文写作规范培训班（广州）回执

姓　名	
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收款单位 单位名称：中国科学院植物研究所 开 户 行：中国工商银行北京分行海淀西区支行 账　　号：0200004509088100989	

注：

(1) 请将回执单于2015年11月30日前回复至陈凌凤老师;
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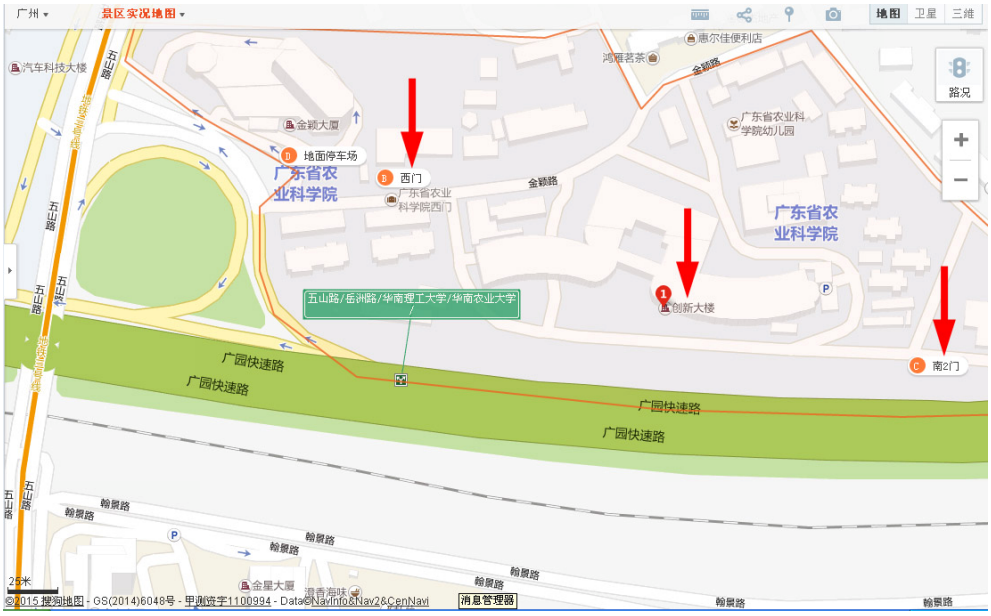
(2) 汇款时请注明“科学论文写作规范培训班注册费（广州）”以及交费人单位和姓名。

2. 培训地点：广州市天河区金颖路20号创新大楼十四楼会议厅（广东省农业科学院）



3. 交通路线

(1) 广州白云国际机场到广东省农科院

从机场乘坐地铁3号线（北延段）到体育西路站，换乘3号线（天河客运站方向），到达华师站，从E出口出站，乘坐公交130路/191路到科技东街北门站，下车后过天桥，步行20米到达

广东省农科院南门，进入南门后，向西步行200米到达创新大楼。

(2) 广州火车站到广东省农科院
从火车站乘坐地铁2号线（广州南站方向）到达公园前站，换乘地铁1号线（广州东站方向）到达体育西路站，换乘3号线（天河客运站方向），到达华师站，从E出口出站，乘坐公交130路/191路到科技东街北门站，下车后过天桥，步行20米到达广东省农科院南门，进入南门，向西步行200米到达创新大楼。

(3) 广州南站到广东省农科院
从火车站乘坐地铁2号线（嘉禾望岗方向）到达公园前站，换乘地铁1号线（广州东站方向）到达体育西路站，换乘3号线（天河客运站方向），到达华师站，从E出口出站，乘坐公交130路/191路到科技东街北门站，下车后过天桥，步行20米到达广东省农科院南门，进入南门后，向西步行200米到达创新大楼。

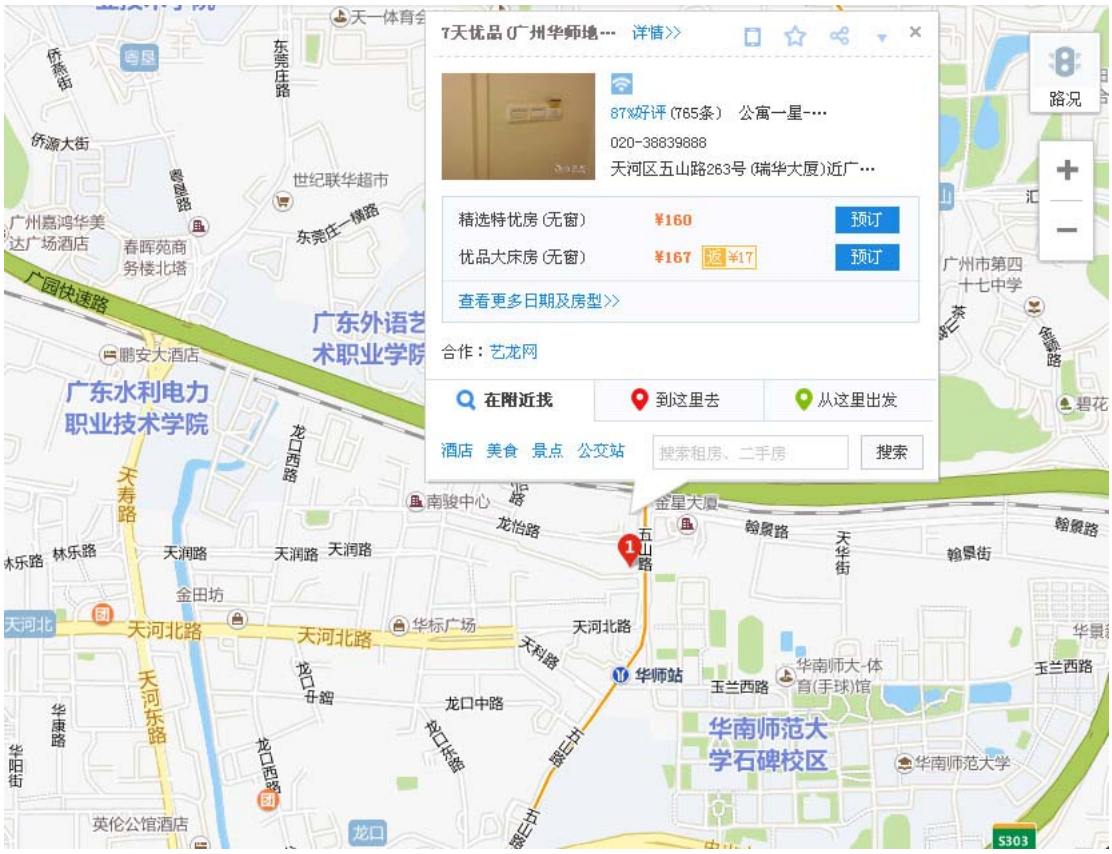
(4) 广州东站到广东省农科院，
从东站汽车客运站乘公交B18路/508路/60路/776路，到达农科院站，下车后过天桥，步行20米到达广东省农科院南门，进入南门后，向西步行200米到达创新大楼。

4. 广东省农业科学院农业生物基因研究中心附近住宿推荐

（1）7 天优品(广州华师地铁站店，原 7 天华师地铁店)：

地址：天河区五山路 263 号(瑞华大厦，近广州东站,华南师范大学,地铁华师站 E 出口)

电话：020-38839888



（2）如家酒店（广州五山地铁站华南理工大学店）

地址：广州市天河区五山科技广场 B 座（靠近五山路，华南理工大学科技园大厦旁边；地铁三号线五山站 C 出口步行 8 分钟）

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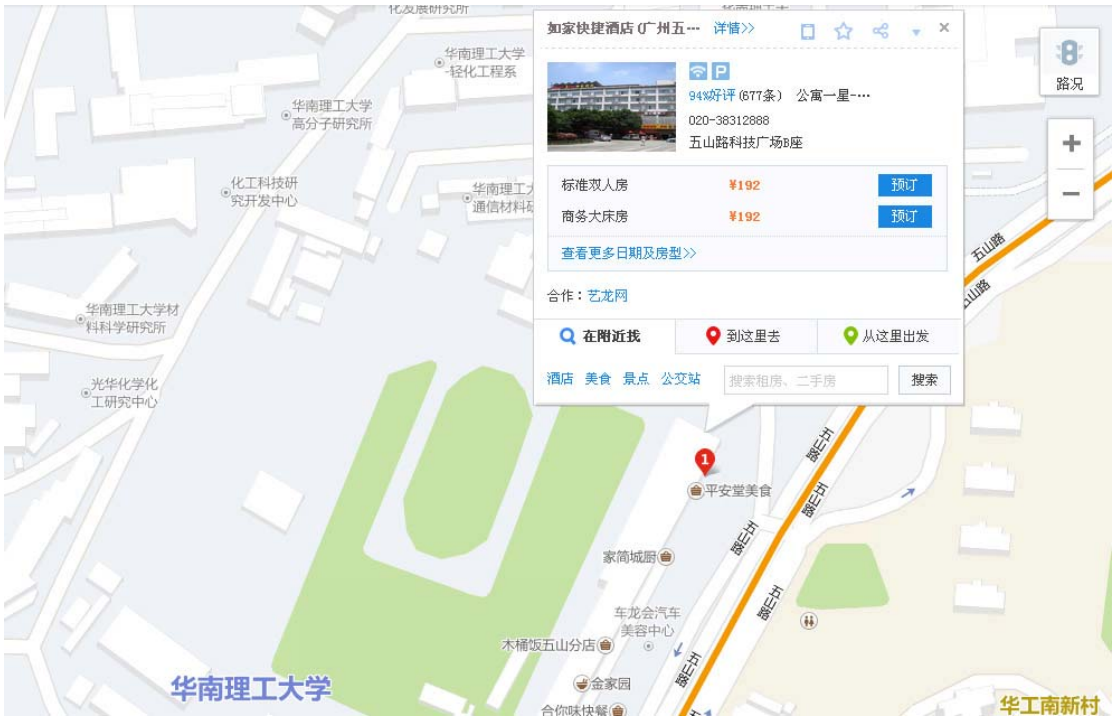

JIPB Workshop on Scientific Writing 2015

(Second announcement)

Scientific papers, which act as the central means of communication for researchers in connection with their community, are essential for the progress of scientific development. Indeed, the value of clear and effective communication within the scientific community through the dialogue of scientific journals has never been more apparent as local Chinese research and publications are increasingly cited on an international scale. However, in considering research aimed at international journals, reviewers are also becoming more and more concerned with not only the high quality of the submission's scientific content, but also the quality of its writing. As the competition increases, to secure publication in a high-ranking journal only the most succinct, language-sufficient, and logically crafted articles will suffice.

To match the demand, the *Journal of Integrative Plant Biology* (JIPB) and Agro-biological Gene Research Center of Guangdong Academy of Agricultural Sciences (GDAAS) will jointly hold a workshop on scientific writing as a part of a series of workshops held by JIPB. The speaker, Prof. Tobias I. Baskin from University of Massachusetts, Amherst is renowned for his passion for teaching young students and for his highly informative speeches. He will outline the rules of scientific writing to allow the audience to gain clear insight into the lengthy process of scientific paper writing, then help teach students how to plan and prepare accordingly.

All plant biology researchers, graduate students, undergraduate students and editorial staff are welcome to join in the workshop and each audience member will receive a certificate at the end of the workshop commemorating their participation. The maximum workshop is limited to 100 attendees so please reserve your seats early!

1. Organizers

Sponsor: *Journal of Integrative Plant Biology* **Editor-in-Chief:** Prof. Chun-Ming Liu
Co-organizer: Agro-biological Gene Research Center, Guangdong Academy of Agricultural Sciences (GDAAS)
Director of Agro-biological Gene Research Center of GDAAS: Prof. Zhuang Chen

Brief Introduction of JIPB
JIPB is a peer-reviewed monthly journal that reports the latest plant biology discoveries. It was first established in 1952 as *Acta Botanica Sinica* by the Botanical Society of China and the Institute of Botany, Chinese Academy of Sciences (CAS). In 2005, its name was changed to the Journal of Integrative Plant Biology. The journal publishes 5 types of articles: commentaries, invited expert reviews, letters to the editor, new technologies, and full-length research articles.
JIPB's 2-year impact factor is 3.335 and 5-year impact factor is 3.353. Among over 200 SCI-listed plant science journals worldwide, JIPB ranks on the 31th. As one of the top-10 international journals published in all disciplines from China, The journal is currently accessible in 14,500 institutions worldwide and is indexed by 67 international databases including PubMed, SCI, Google Scholar, CA, BA and BIOSIS. All articles published since 1952 are available in our website (www.jipb.net).

Brief Introduction of GDAAS

Agro-biological Gene Research Center, Guangdong Academy of Agricultural Sciences (GDAAS) is a provincial government-funded research institute, aiming to offer services for basic and applied researches on preservation of agricultural germplasm resources, improvement of genetically engineered agricultural products, as well as assessment of agricultural-related biomarkers and establishment of shared bioinformatics databases. It was founded in 2012, and has a total of 39 staffs and 4 research and service departments, including Cell Biology, Proteomics and Metabolomics, Genomics and Bioinformatics, and Germplasm Resource Preservations. It is equipped with a hub of cutting edge instruments and technologies [including high resolution mass spectrometry, MiSeq sequencer, automatic microarray platform, confocal laser microscope, and laser microdissection and so on], and fundamental facilities of a 200m^3-cold storage of germplasm resources, and a 2,800 m^2-field intelligence laboratory. Thus, it can provide facilities supports and technical services for agricultural researches in Guangdong and other regions in China. The center is dedicated to promote broad collaborations among research teams locally, regionally, and internationally, and also actively provide training and trouble-shooting services for researchers to speed up the advancement in modern agriculture.

2. Date, Place and Official Language

Date: Dec.8–9, 2015
Place: GDAAS, Tianhe District, Guangzhou, China
Official Language: English

3. Plenary Speaker and Mentor

Plenary speaker: Prof. Tobias I. Baskin

Distinguished International Plant Cell Biologist

Assigning Editor of PLoS ONE

Editor of JIPB

Mentor: Prof. Chun-Ming Liu

Director, Key Laboratory of Plant Molecular Physiology

Institute of Botany, Chinese Academy of Sciences

and Editor-in-Chief, Journal of Integrative Plant Biology

Prof. Tobias Baskin

Prof. Chun-Ming Liu

Writing Courses Taught:

Writing for Graduate Students (University of Missouri Columbia and University of Massachusetts Amherst)

Editorial Board Appointments of Plenary Speaker:

Planta Editorial Board (1998 – present)
Cytoskeleton (2001 – present)
Plant Methods (2005 – present)
Plant and Cell Physiology (2008 – 2011)
Journal of Integrative Plant Biology (Handling Editor, 2009 – present)
PLoS ONE (Associate Editor, 2012 – present)

Selected Publications (from over 75 papers):

1. Burkart GM, Baskin TI, Bezanilla M （2015）A family of ROP proteins that suppresses actin

dynamics, and is essential for polarized growth and cell adhesion. **J Cell Sci** 128: 2553–2564

2. Baskin TI (2015) Auxin inhibits expansion rate independently of cortical microtubules. Trends Plant Sci doi: 10.1016/j.tplants.2015.05.008
3. Zhu C, Ganguly A, Baskin TI, McClosky DD, Anderson CT, Foster C, Meunier KA, Okamoto R, Berg H, Dixit R (2015) The fragile Fiber1 kinesin contributes to cortical microtubule-mediated trafficking of cell wall components. **Plant Physiol** 167: 780–792
4. Baskin TI (2015) Upward organelle motility. **J Integr Plant Biol** 57: 2–3
5. Rutschow HL, Baskin TI, Kramer EM (2014) The carrier AUXIN RESISTANT (AUX1) dominates auxin flux into Arabidopsis protoplasts. **New Phytol** 204:536–544
6. Murata T, Baskin TI (2014) Imaging the mitotic spindle by spinning disk microscopy in tobacco suspension cultured cells. **Methods Mol Biol** 1136: 47–55
7. Baskin TI (2013) Embracing the integrative. **J Integr Plant Biol** 55: 890–891
8. Baskin TI, Jensen OE (2013) On the role of stress anisotropy in stems. **J Exp Bot** 64: 4697–4707
9. Baskin TI (2013) Patterns of root growth acclimation: Constant processes, changing boundaries. **WIREs Dev Biol** 2: 65–73
10. Wu S, Baskin TI, Gallagher KL (2012) Mechanical fixation techniques for processing and orienting delicate samples, such as the root of *Arabidopsis thaliana*, for light or electron microscopy. **Nat Protoc** 7: 1113–1124
11. Rahman A, Takahashi M, Shibasaki K, Wu S, Inaba T, Tsurumi S, Baskin TI (2010) Gravitropism of *Arabidopsis thaliana* roots requires the polarization of PIN2 toward the root tip in meristematic cortical cells. **Plant Cell** 22: 1762–1776
12. Gu Y, Kaplinsky N, Bringmann M, Cobb A, Carroll A, Sampathkumar A, Baskin TI, Persson S, Somerville C (2010) Identification of a novel CESA-associated protein required for cellulose biosynthesis. **Proc Natl Acad Sci USA** 107: 12866–12871
13. Wu S, Scheible WR, Schindelasch D, Van Den Daele H, De Veylder L, Baskin TI (2010) A conditional mutation in arabidopsis separase induces chromosome non-disjunction, aberrant morphogenesis, and cyclin B1;1 stability. **Development** 137: 953–961
14. Bannigan A, Scheible WR, Lukowitz W, Fagerstrom C, Wadsworth P, Somerville C, Baskin TI (2007) A conserved role for kinesin-5 in plant mitosis. **J Cell Sci** 120: 2819–2827
15. Murata T, Sonobe S, Baskin TI, Hyodo S, Hasezawa S, Nagata T, Horio T, Hasebe M (2005) Microtubule-dependent microtubule nucleation based on recruitment of γ-tubulin in higher plants. **Nat Cell Biol** 7: 961–968
16. Baskin TI (2005) Anisotropic expansion of the plant cell wall. **Ann Rev Cell Dev Biol** 21: 203–222
17. Marga F, Grandbois M, Cosgrove DJ, Baskin TI (2005) Cell wall extension results in the coordinate separation of parallel microfibrils: Evidence from scanning electron microscopy and atomic force microscopy. **Plant J** 43: 181–190

18. van der Weele CM, Jiang H, Palaniappan KK, Ivanov VB, Palaniappan K, Baskin TI (2003) A new algorithm for computational image analysis of deformable motion at high spatial and temporal resolution applied to root growth: Roughly uniform elongation in the meristem and also, after an abrupt acceleration, in the elongation zone. **Plant Physiol** 132: 1138–1148
19. Ma Z, Baskin TI, Brown KM, Lynch JP (2003) Regulation of root elongation under phosphorus stress involves changes in ethylene responsiveness. **Plant Physiol** 131: 1381–1390
20. Baskin TI (2001) On the alignment of cellulose microfibrils by cortical microtubules: A review and a model. **Protoplasma** 215: 150–171
21. Baskin, TI (2000) The cytoskeleton. In: Buchanan B, Gruissem W, Jones R, eds. *Biochemistry and Molecular Biology of Plants*. ASPP press, Rockville MD. pp. 202–258
22. Beemster GTS, Baskin TI (1998) Analysis of cell division and elongation underlying the developmental acceleration of root growth in *Arabidopsis thaliana*. **Plant Physiol** 116: 1515–1526
23. Baskin TI, Wilson JE (1997) Inhibitors of protein kinases and phosphatases alter root morphology and disorganize cortical microtubules. **Plant Physiol** 113: 493– 502
24. Baskin TI, Wilson JE. Cork A, Williamson RE (1994) Morphology and microtubule organization in arabidopsis roots exposed to oryzalin or taxol. **Plant Cell Physiol** 35: 935–944
25. Baskin TI, Betzner AS, Hoggart R, Cork A, Williamson RE (1992) Root morphology mutants in *Arabidopsis thaliana*. **Aust J Plant Physiol** 19: 427– 437
26. Baskin TI, Cande WZ (1990) The structure and function of the mitotic spindle in flowering plants. **Ann Rev Plant Physiol Plant Mol Biol** 41: 277– 315
27. Baskin TI, Briggs WR, Iino M (1986) Can lateral distribution of auxin account for phototropism of maize coleoptiles? **Plant Physiol** 81: 306–309

4. Schedule

Schedule for JIPB Workshop on Scientific Writing 2015	
December 8 (Tuesday) Location: Meeting Hall, 14th floor of Chuangxin Building, Guangdong Academy of Agricultural Sciences (GDAAS)	
7:30 – 8:30	**Registration**
8:30 – 8:50	**Opening Ceremony** *Prof. Chun-Ming Liu* (JIPB Editor-in-Chief, Institute of Botany, CAS) *Prof. Zhuang Chen* (The Director of Agro-biological Gene Research Center of GDAAS)
	Chair: Prof. Chun-Ming Liu
8:50 – 10:00	Managing Information Flow to Write with Impact *Prof. Tobias I. Baskin* (JIPB Co-Editor, University of Mass Amherst, USA)
10:00 – 10:30	*Group Photo & Tea Break*
10:30 – 11:30	Power Usage-Quirks of English *Prof. Tobias I. Baskin*
11:30 – 12:00	JIPB's Current Situation and Future Development *Prof. Chun-Ming Liu*
12:00 – 13:30	*Lunch*
13:30 – 15:00	Four Guidelines for Clear Writing *Prof. Tobias I. Baskin*
15:00 – 15:30	*Tea Break*
15:30 – 17:00	How to Write a Paper *Prof. Tobias I. Baskin*
December 9 (Wednesday) Location: Meeting Hall, 14th floor of Chuangxin Building, Guangdong Academy of Agricultural Sciences	
	Chair: Prof. Chun-Ming Liu
8:00 – 9:00	Case Studies: Evaluation of a Manuscript
9:00 – 10:30	5 Mins Presentation from Each Group for the Case *Profs. Tobias I. Baskin* and *Chun-Ming Liu*
10:30 – 11:00	*Tea Break*
11:00 – 12:00	Ethics in Scientific Research and Publishing *Prof. Tobias I. Baskin*
12:00 – 12:20	Concluding Remarks **(**Chaired by Prof. Chun-Ming Liu)
12:30 – 13:30	*Lunch*

5. Registration

1) A sum of RMB 800 for each participant will be charged. Registration fees should be paid to:

Account No: 0200004509088100989

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

Address: No. 65 West Road, Beisihuan, Haidian District, Beijing, 100083

Swift code: ICBKCNBJBJM

Account holder: Institute of Botany, Chinese Academy of Sciences

2) Please fill in the registration form (see attached) and email to Lingfeng Chen at jipbmeeting@ibcas.ac.cn by Nov. 30th, 2015.

6. Accommodation Information

The Organizers will provide lunch on Dec. 8th and 9th. All other accommodation costs will be covered by the attendee.

7. Contact Details:

Lingfeng Chen
JIPB Editorial Office
Institute of Botany, Chinese Academy of Sciences
Nanxincun 20, Xiangshan, Beijing 100093, China
Tel: +86 10 6283 6133; Fax: +86 10 8259 2636
E-mail: jipbmeeting@ibcas.ac.cn
Website: http://www.jipb.net

Shijuan Yan
Agro-biological Gene Research Center of Guangdong
Academy of Agricultural Sciences (GDAAS)
Tel：020-85161082
E-mail：shijuan@agrogene.ac.cn

Workshop Registration

Name	
Job Title	
Institution	
Contact Information	
Telephone	
E-mail	
Paid or not： Yes / No	
Check should be made payable to: Account No: 0200004509088100989 Bank: West Haidian District Subbranch, Beijing Branch, Industrial and Commercial Bank of China (ICBC) Address: No. 65 West Road, Beisihuan, Haidian District, Beijing, 100083 Swift code：ICBKCNBJBJM Account holder: Institute of Botany, Chinese Academy of Sciences	

Note:

Please fill in the registration form and return to Lingfeng Chen at jipbmeeting@ibcas.ac.cn by Nov. 30th, 2015.

Title of the workshop and your institution and name are requested at time of payment.