

## CURRICULUM VITAE

### Guotian Li, PhD

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### EDUCATION

*Postdoctorate Fellow*, Grass Genetics/Plant Pathology, 2013-2014, Joint BioEnergy Institute,  
Lawrence Berkeley National Laboratory/University of California, Davis, CA, USA

*Ph.D.*, Plant Pathology, 2013, Purdue University, West Lafayette, IN, USA

*M.S.*, Plant Pathology, 2008, Northwest A&F University, Yangling, Shannxi, China

*B.S.*, Biotechnology, 2006, Northwest A&F University, Yangling, Shannxi, China

### EXPERIENCE

- 2014-present Deputy Director of Grass Genetics, Feedstocks Division, Joint BioEnergy Institute,  
Lawrence Berkeley National Laboratory, CA
- 2016-Present Project Scientist, Biological Systems and Engineering Division, Lawrence Berkeley  
National Laboratory
- 2014-2015 Project Scientist, Department of Plant Pathology, University of California, Davis,  
CA
- 2013-2014 Postdoctoral Fellow, Department of Plant Pathology, University of California,  
Davis, CA/Joint BioEnergy Institute, Lawrence Berkeley National Laboratory, CA
- 2013-2013 Postdoctoral Fellow, Department of Botany and Plant Pathology, Purdue University,  
West Lafayette, IN
- 2012-2012 Teaching Assistant, Department of Botany and Plant Pathology, Purdue University,  
West Lafayette, IN
- 2008-2013 Research Assistant, Department of Botany and Plant Pathology, Purdue University,  
West Lafayette, IN
- 2005-2008 Research Assistant, College of Plant Protection, Northwest A & F University,  
Yangling, China

### HONORS AND AWARDS

Ph.D. Training Fellowship, 2008-2012

Travel Award, Department of Botany and Plant Pathology, Purdue University, 2010-2013

## **PUBLICATIONS** (in reverse chronological order)

- (13). **Li G**, Chern M, Jain R, Martin JA, Schackwitz WS, Jiang L, Vega-Sánchez ME, Lipzen AM, Barry KW, Schmutz J, Ronald PC (2016) Genome-wide sequencing of 41 rice (*Oryza sativa* L.) mutated lines reveals diverse mutations induced by fast-neutron irradiation. *Mol Plant*. 9: 1078-1081
- (12). Wang G, **Li G**, Zhang S, Jiang C, Qin J, Xu JR (2015) Activation and functional relationship of MoMsb2 with Cbp1 in *Magnaporthe oryzae*. *Environ Microbiol*. 17: 2969-81
- (11). Yang C, Liu H, **Li G**, Liu M, Xu JR (2015) The MADS-box transcription FgMcm1 regulates cell identity and fungal development in *Fusarium graminearum*. *Environ Microbiol*. 17: 2762-76
- (10). Kong LA, **Li GT**, Liu Y, Liu MG, Zhang SJ, Yang J, Zhou XY, Peng YL, Xu JR (2013) Differences between appressoria formed by germ tubes and appressorium-like structures developed by hyphal tips in *Magnaporthe oryzae*. *Fungal Genet Biol*. **56**:33-41
- (9). **Li G**, Zhou X, Xu JR (2012) Genetic control of infection-related development in *Magnaporthe oryzae*. *Curr Opin Microbiol* **15**: 678-684
- (8). Zhou X, Zhang H, **Li G**, Shaw B, Xu JR (2012) The Cyclase-associated protein Cap1 is important for proper regulation of infection-related morphogenesis in *Magnaporthe oryzae*. *PLoS Pathog* **8**: e1002911
- (7). Kong LA, Yang J, **Li GT**, Qi LL, Zhang YJ, Wang CF, Zhao WS, Xu JR, Peng YL (2012) Different chitin synthase genes are required for various developmental and plant infection processes in the rice blast fungus *Magnaporthe oryzae*. *PLoS Pathog* **8**: e1002526
- (6). Wang G, Wang C, Hou R, Zhou X, **Li G**, Zhang S, Xu JR (2012) The AMT1 arginine methyltransferase gene is important for plant infection and normal hyphal growth in *Fusarium graminearum*. *PLoS One* **7**: e38324
- (5). **Li G**, Zhou X, Kong L, Wang Y, Zhang H, Zhu H, Mitchell TK, Dean RA, Xu JR (2011) MoSfl1 is important for virulence and heat tolerance in *Magnaporthe oryzae*. *PLoS One* **6**: e19951
- (4). Zhang H, Xue C, Kong L, **Li G**, Xu JR (2011) A Pmk1-interacting gene is involved in appressorium differentiation and plant infection in *Magnaporthe oryzae*. *Eukaryot Cell* **10**: 1062-1070
- (3). Liu W, Zhou X, **Li G**, Li L, Kong L, Wang C, Zhang H, Xu JR (2011) Multiple plant surface signals are sensed by different mechanisms in the rice blast fungus for appressorium formation. *PLoS Pathog* **7**: e1001261
- (2). Xue XD, Qu ZP, Wang XJ, Zhang YH, **Li GT**, Huang LL, Kang ZS. Prediction secreted proteins from cDNA library of *Puccinia striiformis* f. sp. *tritici*. J. Northwest A&F Univ. (Nat. Sci. Ed.) **37**(2):105-111 (in Chinese)
- (1). Zhang HY, **Li GT**, Wang XJ, Duan YH, Xu LS, Guo J, Ma JB, Huang LL, Kang ZS (2009) Cloning and primary characteration analysis of peroxiredoxin gene (TaPrx) from wheat. *Sci Agric Sinica* **42**:1222-1229 (in Chinese)

## **BOOK CHAPTERS**

- Zhou X, **Li G**, Xu JR (2011) Efficient approaches for generating GFP fusion and epitope-tagging constructs in filamentous fungi. *Fungal Genomics Methods Mol Biol* **722**: 199-212

## **ORAL PRESENTATIONS**

**Li G**, Comparisons of two model rice varieties, *Kitaake* and *Nipponbare*. 12<sup>th</sup> International Symposium on Rice Functional Genomics, Tucson, AZ, November 16-19, 2014

**Li G**, Using rice as a model to study cell wall saccharification in grasses. Joint BioEnergy Institute, Lawrence Berkeley National Laboratory-Energy Biosciences Institute, University of California, Berkeley, Science Seminar, Emeryville, CA, September 29, 2014

**Li G**, Genome-wide analysis of rice fast-neutron mutants to study cell wall recalcitrance. Joint BioEnergy Institute, Lawrence Berkeley National Laboratory, Annual Retreat, Hilton Sonoma Wine Country, Santa Rosa, CA, July 09-11, 2014

**Li G**, Using rice as a model to study cell wall saccharification in grasses. BioEnergy Science Center characterization workshop- enabling technologies, The Mission Inn, Riverside, CA, January 6-7, 2014

## **TEACHING EXPERIENCE**

Introductory Plant Pathology, Purdue University, 2012

## **MENTORING (GROUP LEADER)**

### **Specialists:**

Rashmi Jain

### **Student Interns:**

Phat Duong, Ricky Rios

## **PROFESSIONAL SERVICE**

Reviewer: Frontiers in Plant Science, BioMed Research International, Bio-Protocol,

## **PROFESSIONAL AFFILIATIONS**

American Phytopathological Society

Genetic Society of America