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Education and Training:

1998 – 2001, Postdoctoral Research Fellow, Plant Biology, University of North Carolina at Chapel Hill (USA)

1997 – 1998, Royal Society Fellowship, Cell Physiology, Horticulture Research International (UK)

1991 – 1997, Ph.D. Plant Physiology, Nanjing Agricultural University (China)

1987 – 1991, B.S. Agronomy, Nanjing Agricultural University (China)

Research and Professional Experience:

2014 – present, Senior Staff Scientist, Oak Ridge National Laboratory (USA)

2011 – present, Joint Faculty, Bredesen Center for Interdisciplinary Research and Graduate Education, University of Tennessee and Oak Ridge National Laboratory (USA)

2010 – 2014, Staff Scientist, Oak Ridge National Laboratory (USA)

2004 – 2010, Assistant Professor, University of British Columbia (Canada)

2001 – 2004, Senior Research Associate, University of North Carolina at Chapel Hill (USA)

Publications: (from 104 publications)

1. Yang Y, Labbé J, Muchero W, Yang X, Jawdy SS, Kennedy M, Johnson J, Sreedasyam A, Schmutz J, Tuskan GA, **Chen JG** (2016) Genome-wide analysis of lectin receptor-like kinases in *Populus*. *BMC Genomics* 17: 699.
2. Bryan AC, Jawdy S, Gunter L, Gjersing E, Sykes R, Hinchey MA, Winkeler KA, Collins CM, Engle N, Tschaplinski TJ, Yang X, Tuskan GA, Muchero W, **Chen JG** (2016) Knockdown of a laccase in *Populus deltoides* confers altered cell wall chemistry and increased sugar release. *Plant Biotechnol J* 14: 2010-2020.
3. Zheng K, Wang X, Weighill DA, Guo HB, Xie M, Yang Y, Yang J, Wang S, Jacobson DA, Guo H, Muchero W, Tuskan GA, **Chen JG** (2016) Characterization of *DWARF14* genes in *Populus*. *Sci Rep* 6: 21593.
4. Wang X, Liu S, Tian H, Wang S, **Chen JG** (2015) The small ethylene response factor ERF96 is involved in the regulation of the abscisic acid response in Arabidopsis. *Front Plant Sci* 6: 1064.
5. Urano D, Czarnecki O, Wang X, Jones AM, **Chen JG** (2015) Arabidopsis RACK1 phosphorylation by WNK8 kinase. *Plant Physiol* 167: 507-516.
6. Li Z, Czarnecki O, Chourey K, Yang J, Tuskan GA, Hurst GB, Pan C, **Chen JG** (2014) Strigolactone-regulated proteins revealed by iTRAQ-based quantitative proteomics in Arabidopsis. *J Proteome Res* 13: 1359-1372.
7. Evans LM, Slavov GT, Rodgers-Melnick E, Martin J, Ranjan P, Muchero W, Brunner AM,

- Schackwitz W, Gunter L, **Chen JG**, Tuskan GA, DiFazio SP (2014) Population genomics of *Populus trichocarpa* identifies signatures of selection and adaptive trait associations. *Nature Genet* 46: 1089-1096.
8. Czarnecki O, Yang J, Weston DJ, Tuskan GA, **Chen JG** (2013) A dual role of strigolactones in phosphate acquisition and utilization in plants. *Int J Mol Sci* 14: 7681-7701.
 9. Guo J, Morrell-Falvey JL, Labbé JL, Muchero W, Kalluri UC, Tuskan GA, **Chen JG** (2012) Highly efficient isolation of *Populus* mesophyll protoplasts and its application in transient expression assays. *PLoS ONE* 7: e44908.
 10. Guo J, Wang S, Valerius O, Hall H, Zeng Q, Li JF, Weston DJ, Ellis BE, **Chen JG** (2011) Involvement of Arabidopsis RACK1 in protein translation and its regulation by abscisic acid. *Plant Physiol* 155: 370-383.

Synergistic Activities:

1. Grant panel member: USDA National Institute of Food and Agriculture Plant Sciences Program (2010), Oak Ridge National Laboratory LDRD Program (2015)
2. Ad hoc grant reviewer (9 agencies, >20 times): DOE BER (USA), DOE ARPA-E (USA), National Science Foundation (USA), United States Department of Agriculture, Kentucky Science and Engineering Foundation (USA), Sigma Delta Epsilon/Graduate Women in Science (USA), Natural Sciences and Engineering Research Council of Canada, Canada Foundation for Innovation, Ontario Ministry of Research and Innovation (Canada), National Science Foundation of China
3. Ad hoc manuscript reviewer (50 journals, >300 times): *Science*, *Nature Biotechnology*, *Plant Cell*, *Plant Journal*, *Plant Physiology*, *Current Biology*, *Development*, *Developmental Biology*, *Biotechnology Advances*, *Plant Biotechnology Journal*, *Journal of Proteome Research*, *Plant & Cell Physiology*, *Cell Research*, *Cell Communication and Signaling*, *Biochemical Journal*, *Molecular Plant*, *Journal of Experimental Botany*, *Plant Molecular Biology*, *BMC Plant Biology*, *BMC Genomics*, *Physiologia Plantarum*, *Planta*, *PLoS ONE*, *Plant Biology*, *Tree Physiology*, *Plant Physiology and Biochemistry*, *Frontiers in Plant Science*, *Environmental Science & Technology*, *Journal of Integrative Plant Biology*, *Annals of Botany*, etc.
4. Editorial board: *Journal of Plant Growth Regulation* (01/2006-present); *PLoS ONE* (07/2014-present); *Frontiers in Plant Science* (10/2015-present)
5. Service in committee: ORNL Institutional Biosafety Committee (2012-present); BESC Transformation Pipeline Review Committee (2012-present); Tennessee Plant Research Center Board member (2012-present); ORNL LDRD Initiative Review Committee (2015); Judge committee, Best Poster awards, The 37th Symposium on Biotechnology for Fuels and Chemicals, San Diego, California (2015); UTK Department of Plant Sciences Faculty Search Committee (2013); ORNL Local Emergency Squad Team (2012); ORNL LDRD poster judge committee (2012); Bredesen Center Credential Review Committee (2012); Bredesen Center Admission Review Committee (2012); Organizing Committee, Canadian Society of Plant Physiologists (CSPP) 2009 Annual Meeting, Burnaby, Simon Fraser University, Canada (2009); Judge Committee, The President Award for The Best Poster, CSPP 2009 Annual Meeting, Burnaby, Simon Fraser University, Canada (2009); Chairperson, Concurrent Session: Cell and Development III, CSPP 2009 Annual Meeting, Burnaby, Simon Fraser University, Canada (2009)