# Chuyu Ye

Biosciences Division
Building 1505 Room 244
Oak Ridge National Laboratory
Oak Ridge, TN 37831
Email: yec1@ornl.gov
Phone: 865-241-8237

## Education

Sep 2007—Present Ph.D. student, Plant physiology and molecular biology, Beijng Forestry University, China

Sep 2003—Jul 2007 B.S., Biological Science, Anhui Normal University, China

## Research Interests:

Comparative analysis of gene families in relation to biofuel production
Computational functional genomics
Molecular mechanism of *Populus* tolerance to abiotic stress

## Professional Experience

Jan 2010—Present, Post Master's Research Associate
Biosciences Division. Oak Ridge National Lab, Oak Ridge, TN
Supervisors : Xiaohan Yang/ Gerald A. Tuskan
Primer design for creating gene constructs to overexpress and knockdown genes in transgenic *Populus* plants; comparative analysis of gene families in relation to biofuel production; molecular mechanism of *Populus* tolerance to abiotic stress.

Sep 2007—Present, Ph.D. student
College of Biological Sciences and Biotechnology, Beijing Forestry University, China
Supervisors : Weilun Yin/Xinli Xia

Cloning and functional characterization of salt-tolerance genes from *P. euphratica*, identification and functional characterization of CBL-CIPK network of *P. euphratica*.

**Publications:**

**Ye CY,** Li T, Tuskan GA, Tschaplinski TJ, Yang X. Comparative analysis of GT14/GT14-like gene family in Arabidopsis, Oryza, Populus, Sorghum and Vitis. *Plant Sci* (2011) DOI: 10.1016/j.plantsci.2011.01.021
Yang X, **Ye CY,** Bisaria A, Tuskan GA, Kalluri UC. Identification of candidate genes in Arabidopsis and Populus cell wall biosynthesis using text-mining, co-expression network analysis and comparative genomics. *Plant Sci* (2011) DOI: 10.1016/j.plantsci.2011.01.020
Yang X, **Ye CY,** Cheng ZM, Tschaplinski TJ, Wullschleger SD, Yin W, Xia X, Tuskan GA. Genomic aspects of research involving polyploid plants. *Plant Cell Tiss Organ Cult* (2011) 104: 387-397
**Ye CY,** Zhang HC, Chen JH, Xia XL, Yin WL. Molecular characterization of putative vacuolar NHX-type Na+/H+ exchanger genes from the salt-resistant tree Populus euphratica. *Physiol Plantarum* (2009) 137: 166-174