

## CURRICULUM VITAE

### Personal Information

Name: **Xiaojuan Ke** (柯小娟)

Gender: Female

Birth: 02/12/1989

Marital Status: Single

Nationality: Chinese

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### Academic Background

#### Education

- **Ph.D of Science** (Sept. 2012- expected Jun. 2017)
- Major: Crop Genetics and Breeding, Nanjing Agricultural University,
- Supervisor: Professor Hongsheng Zhang
- Dissertation: Function analysis of transcriptional factor *ZFP207* in rice (*Oryza sativa L.*) through CTK pathway
- **Bachelor of Science** (Sept. 2008- Jun. 2012)
- Major: Agronomy, Nanjing Agricultural University
- Ranking: Top 20% out of 32 students in the class, GPA: 3.61/4

#### Research Experience

##### **Sept. 2012 up to the present,**

My research is focus on “*Function analysis of transcriptional factor ZFP207 in rice growth through CTK pathway*”.

We cloned a C2H2-type zinc finger protein gene *ZFP207* from rice and found that the OE-*ZFP207* transgenic plants showed severe dwarf at mature period, and had much less biomass during the whole development stages compared with wild type ZH11. On the contrary, RNAi-*ZFP207* transgenic plants were higher than ZH11 and had longer internodes and longer panicles than ZH11 at mature stage. Considering with the morphology of RNAi-*ZFP207* and OE-*ZFP207* lines, it was suggested that *ZFP207* may play important roles in rice growth and development process. By using Affymetrix microarray technology, we found that the expression levels of CTK-related genes in OE-*ZFP207* seedling were higher than in wild type ZH11. But the underlying mechanism of *ZFP207* in CTK pathway is still unknown.

**Aug. 2011- Jun. 2012,**

Participating in the research on “*Species diversity of seeds dispersed by birds and its temporal distribution*”. My works were mainly involved in the collection of birds’ guanos, identification of the seeds separated from birds’ guanos, analyses of data, and searching for journals in NCBI.

**Jun. 2010- Jul. 2011,**

Participating in the research on “*Fine-mapping of roll leaf gene in roll leaf mutant in cotton*”. My works were mainly involved in identification of a gene.

**Honor & Awards**

- *Outstanding Graduates*, Jun. 2012, award from Nanjing Agricultural University( NJAU)
- *Excellent League Member*, May 2011, award from Youth League Committee of NJAU
- *National Encouragement Scholarship*, Dec. 2010, scholarship from the Chinese Department of Education
- *National Merit Student Scholarship*, Dec. 2009,2010, scholarship from NJAU
- Third prize at *The first contest of popular science explaining*, Mar. 2010 , award from Nanjing Botanical Garden Mem.Sun Yat-Sen
- *Outstanding Volunteer*, Oct. 2010, award from Nanjing Museum of Paleontology
- *Prize of Excellent Sharing*, Nov. 2010, award from the Student Union of College of Science, NJAU
- Fourth place at 1500m women at the sports meeting of college of Agriculture, Oct. 2009, award from the Student Union of college of Agriculture, NJAU

**Foreign Language Abilities**

Excellent in reading and listening, well in written and spoken, assisted a foreign language teacher with teaching 17 pupils oral English in every Sunday for 3 months, participated in “2015 study tour” to American for 12 days. IELTS 6.0

**References:**

Professor Hongsheng Zhang

Nanjing Agricultural University

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