

# CURRICULUM VITAE

*Junwei LIU, PhD.*

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## PERSONAL INFORMATION

**Place and date of birth:** Anyang (China), 18 August 1984

**Nationality:** Chinese

**Marital Status:** Married

## EDUCATION

- 01/2013-05/2013 **Guest researcher**, Laboratory of Plant Physiology, Wageningen University. Main research topic: Strigolactones biosynthesis (from Carlactone to 5-deoxystrigol) and signalling (interactions in *Striga*) pathway.  
Supervisors: *Prof. Carolien Ruyter-Spira and Prof. Harro Bouwmeester*
- 01/2009-12/2012 **Ph.D.**, Sciences and Innovative Technologies, Turin University, Italy  
Major: Plant Molecular Physiology  
Thesis: *The phytohormones strigolactones and their response to abiotic stress*  
Supervisors: *Prof. Francesca Cardinale and Prof. Claudio Lovisolo*
- 07/2011-07/2012 **Exchange Ph.D. student**, Laboratory of Plant Physiology, Wageningen University. Main research topic: molecular and physiological characterization of strigolactone mutants in model Legumes  
Supervisors: *Dr. Carolien Ruyter-Spira and Prof. Harro Bouwmeester*
- 09/2006-07/2008 **M. Sc.**, Agriculture and Bioengineering of Tianjin University, China  
Major: Innovation of Vegetable Crop Germplasm  
Thesis: *Genetic analysis and the potential markers screen of subgynoecious trait in watermelon (Citrullus lannatus)*  
Supervisors: *Prof. Li Liu and Prof. Fuchang Guo*
- 09/2002-07/2006 **B. Sc.**, Horticulture of Northwest A & F University, China  
Major: Horticulture Sciences  
Thesis: *Evaluations of different combinations of substrates and fertilizer on muskmelon seedlings quality*

## RESEARCH INTERESTS

- Hormonal metabolism in plant growth, development and stress response
- Plant-microbe interactions, with emphasis on the symbiotic association of mycorrhization and nodulation
- Plant metabolites biosynthesis, functions and human applications
- Temperature, light and/or phytochrome-mediated signals in plant development
- Phosphate and nitrate metabolism in plants
- Epigenetic control of plant development
- Host-pathogen interactions, and the defence signalling
- Molecular markers linked to important agronomic traits in crops

## TECHNICAL SKILLS

**Biochemistry:** protein purification by affinity chromatography and electrophoresis, recombinant protein expression and purification, enzymatic activity bioassays, Western blotting, ELISA test and other immunological techniques, hormone quantification by LC-MS/MS

**Molecular biology:** DNA and RNA extraction, Northern and Southern blotting, cDNA

library screening, RACE-cloning, microarray, recombinant DNA technology and transgene-related skills

**RESEARCH WEBLINK**

<http://www.linkedin.com/pub/junwei-liu/32/17/b83>