

# Curriculum Vitae

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## Personal Information



**Family Name:** Wang

**Given Name:** Li

**Date of Birth:** 02.06.1983

**Nationality:** China

**Gender:** Female

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## Education and Academic Position

Apr. 2014 - present      Postdoctor research associate  
EEOB and GIF (Genomic Informatics Facility), Iowa State University, Ames, IA, USA

Feb. 2012 – Mar. 2014      Postdoctor research associate  
Department of Biological Sciences, Texas Tech University, TX, US

Sep. 2006 - Jul. 2011      PhD in Botany  
Institute of Botany, the Chinese Academy of Sciences, Beijing, China

Feb. 2009 - Nov. 2010      DAAD-CAS joint PhD student  
Department of Systematic Botany, Goettingen University, Germany

Dec. 2009, Apr. 2010      Short-Term Visitor  
Department of Botany, Natural History Museum, London, UK

Sep. 2002 - Jul. 2006      Bachelor of Science  
College of life science in Wuhan University, China

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## Awards and Honors

2008-2010  
DAAD-CAS Joint Scholarship Program; 1000 Euro per month for two years

2009-2010  
Merit Student by the Graduate University of Chinese Academy of Sciences (GUCAS)

April 2010  
The second prize for giving talks at students' symposium in Natural History Museum, London

2010-2011  
BHPB-GUCAS Scholarship for excellent Ph.D. candidates; RMB 12000 yuan

2011  
The excellent graduate student in Chinese Academy of Sciences

2011  
DEAN Award in Chinese Academy of Sciences

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## Research Experience

### During postdoctor period:

#### In the Hufford Lab:

My research is focused on understanding the genetic mechanisms of adaptation to environmental stress in highland corns.

**In the Olson Lab:**

I mainly explored gene expression difference of one poplar tree located in two populations along a latitudinal cline: one from Fairbanks, Alaska and the other from South Canada. I also detected genetic bases for adaptation to high latitude conditions.

**During PhD training:**

I studied a fern group, occurring on Qinghai-Tibetan Plateau. The biogeographical study revealed the correlation between the diversification of the fern group and climatic fluctuations, especially in the context of Asian monsoon regimes. The phylogeographical pattern of a species was investigated as well. And we found that population genetics of the complex bear some imprint of the climatic change in Quaternary.

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**Field-trip Experiences**

Jun-Jul 2012	Alaska, US
Jul. 2010	Altai Mountains, Russia
Jun. 2010	Swiss and French Alps
Aug. 2009	Swiss Alps, Switzerland
Nov. 2008	Hainan, Guangdong Province, Southeast of China
May 2008	Central Inner Mongolia
Dec. 2007	Southeast of Yunnan, border of China and Vietnam
Oct. 2007	The Himalayas, Qinghai-Tibetan Plateau, China
Aug. 2007	Hengduan Mountains, China
Jun. 2006	Shangri-La, China
May 2005	The three Gorges region, China

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**Conference Participation**

2017	57 <sup>th</sup> maize genetic conference, St. Luis, Missouri, USA
2016	58 <sup>th</sup> maize genetic conference, Jacksonville, Florida, USA
2015	57 <sup>th</sup> maize genetic conference, St. Charles, Illinois, USA
2015	Plant and Animal Genome Conference, San Diego, CA
2013	Evolution, Snowbird, Utah, US
2011	International Botany Conference, Melbourne, Australia
2010	The Fifth Asian Fern Symposium, Shenzhen, China
2010	The students' symposium at Natural History Museum, London, UK
2009	Systematics 2009, Leiden, Netherland.
2009	Niche Evolution, Zurich, Switzerland.
2008	Symposium on Academic study of Chinese ferns, Shenzhen, China.
2006	Symposium on Academic study of Chinese ferns, Shangri-La, China.

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**Teaching**

**Spring 2016:** guest lecture at AN\_S 556 “Current Topics in Genome Analyses”

Introduction to principles and methodology of molecular genetics useful in analyzing and modifying large genomes. Analysis of transcriptomic data and bioinformatic tools related to systems biology approaches are discussed.

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## Selected Publication List

1. **Li Wang**, Timothy Mathes Beissinger, Anne Lorant, Claudia Ross-Ibarra, Jeffrey Ross-Ibarra, Matthew Hufford. 2017. The interplay of demography and selection during maize domestication and expansion. **bioRxiv**. doi: <https://doi.org/10.1101/114579>.
2. Timothy Beissinger, **Li Wang**, Kate Crosby, Arun Durvasula, Matthew B Hufford, Jeffrey Ross-Ibarra. 2016. Recent demography drives changes in linked selection across the maize genome. **Nature plants** 2: 16084.
3. **Li Wang**, Peter Tiffin, Matthew Olson. 2014. Timing for success: expression phenotype and local adaptation related to latitude in the boreal forest tree, *Populus balsamifera*. **Tree Genetics and Genomes**. DOI: 10.1007/s11295-014-0731-3.
4. **Li Wang**, Harald Schneider, Xianchun Zhang, Qiaoping Xiang. 2012. The rise of the Himalaya enforced the diversification of SE Asian ferns by altering the monsoon regimes. **BMC Plant Biology** 12:210. DOI: 10.1186/1471-2229-12-210.
5. **Li Wang**, Harald Schneider, Zhiqiang Wu, Lijuan He, Xianchun Zhang, Qiaoping Xiang. 2012. Indehiscent sporangia enable the accumulation of local fern diversity at the Qinghai-Tibetan Plateau. **BMC Evolutionary Biology** 12:158. DOI:10.1186/1471-2148-12-158.
6. **Li Wang**, Zhiqiang Wu, Nadia Bystriakova, Stephen W. Ansell, Qiaoping Xiang, Jochen Heinrichs, Harald Schneider, Xianchun Zhang. 2011. Phylogeography of the alpine fern *Lepisorus clathratus* on “the roof of the world”. **PloS One** 6: e25896. DOI: 10.1371/journal.pone.0025896.
7. **Li Wang**, Xinping Qi, Qiaoping Xiang, Jochen Heinrichs, Harald Schneider, Xianchun Zhang. 2010. Phylogeny of the paleotropical fern genus *Lepisorus* (Polypodiaceae, Polypodiopsida) inferred from four chloroplast genome regions. **Molecular Phylogenetics and Evolution** 54: 211-225.
8. **Li Wang**, Zhiqiang Wu, Qiaoping Xiang, Jochen Heinrichs, Harald Schneider, Xianchun Zhang. 2010. A molecular phylogeny and a revised classification of tribe Lepisoreae (Polypodiaceae) based on an analysis of four plastid DNA regions. **Botanical Journal of the Linnean Society** 162: 28-38.
9. Hongmei Liu, **Li Wang**, Hui Zeng, Xianchun Zhang. 2008. Advances in the studies of lycophytes and monilophytes with reference to systematic arrangement of families distributed in China. **Journal of Systematics and Evolution** 46: 808-829.
10. Xianchun Zhang, **Li Wang**, Xinping Qi. 2008. Additions to the pteridophyte flora of Xizang (IV). **Newsletter of Himalayan Botany** 41: 20-27.
11. **Li Wang**, Xianchun Zhang. 2007. Pteridophyta. in Zhenyu Li, Lei Shi (editors), Flora of Emei Mountain. Beijing Science and Technology Press, Beijing, pp. 153-224.
12. **Li Wang**, Xianchun Zhang. 2007. Chinese aquatic ferns. **China Nature** 138: 54-55.