

## ***Curriculum Vitae***

**Janet Chen**

Department of Botany, 3165  
1000 E. University Ave., University of Wyoming  
Laramie, WY 82071  
E-mail: [janetchen613@gmail.com](mailto:janetchen613@gmail.com)

### **Education**

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| 2006 | M.S. | Botany, Thesis: Analysis of the role of AAP1 in amino acid transport in <i>Arabidopsis thaliana</i> .<br>School of Biological Sciences, Washington State University, Pullman, WA<br>Committee: Dr. Mechthild Tegeder (immediate supervisor), Dr. R. David Evans, Dr. Gerald E. Edwards |
| 2004 | B.S. | General Biology with a Chemistry Minor.<br>Ecology and Environmental Sciences, University of Arizona, Tucson, AZ<br>Research supervisor: Dr. Travis E. Huxman  |

### **Awards**

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| 2008       | EPSCoR Ecology Award; University of Wyoming, Laramie, WY  |
| 2008       | Graduate Assistantship; Program in Ecology, University of Wyoming, Laramie, WY                        |
| 2006       | Graduate Fellowship Award, Rexford Daubenmire Fellowship, Washington State University, Pullman, WA    |
| 2006, 2005 | Graduate Fellowship Award, Betty W. Higinbotham Fellowship, Washington State University, Pullman, WA  |
| 2005, 2004 | Graduate Fellowship Award, Hannah Aase Fellowship in Botany, Washington State University, Pullman, WA |

### **Publications**

- Y.H. Lee, J. Foster, J. Chen, L.M. Voll, A.P.M. Weber and M. Tegeder.  
(2007) AAP1 transports uncharged amino acids into roots of *Arabidopsis*. *The Plant Journal*, **50**, 305-319

### **Professional Presentations with published abstracts**

- J. Chen, Y.H. Lee, J. Foster, L.M. Voll, A.P.M. Weber and M. Tegeder.  
2006. Functional analysis of AAP1 amino acid transporter in *Arabidopsis*. Poster presentation at the annual meeting of the American Society of Plant Biologists. Boston, MA.

### **Professional Presentations with published abstracts (cont.)**

J. Chen, Y.H. Lee, J. Foster, L.M. Voll, A.P.M. Weber and M. Tegeder. 2006. Functional analysis of the AtAAP1 amino acid transporter in *Arabidopsis*. Poster presentation at the International Symposium in Memory of Vincent R. Franceschi. Pullman, WA.

Y.H. Lee, J. Chen, L.M. Voll, A.P.M. Weber and M. Tegeder. 2005. AtAAP1 plays a role in uptake of amino acids from the soil. Poster presentation at the annual meeting of the American Society of Plant Biologists. Seattle, WA.

J. Chen, D.L. Potts, T.E. Huxman. 2003. Trace gas fluxes in a semi-arid grassland: the role of C<sub>4</sub> bunchgrass species, simulated precipitation and season. Poster presentation at the annual meeting of the Ecological Society of America. Savannah, GA.

### **Professional Experience**

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| 1/2008 – 8/2008   | Teaching Assistant- General biology,<br>University of Wyoming, Laramie, WY<br><i>Lecture and proctor biology labs; responsible for lectures and lab grades based on assignments, quizzes, and participation.</i><br>Immediate supervisor: Diane Gorski, Lecturer   |
| 1/2008 – 8/2008   | Research Assistant- University of Wyoming, Laramie, WY<br><i>Organization and analysis of data collected from the Prairie Heating And CO<sub>2</sub> Enrichment (PHACE) project. Measurement of leaf level gas exchange and plant water status at PHACE. Supervise undergraduates.</i><br>Immediate supervisor: Dr. David Williams, Associate Professor        |
| 09/2007 – 12/2007 | Laboratory Technician- University of Wyoming, Laramie, WY<br><i>Organization and analysis of data collected from the Prairie Heating And CO<sub>2</sub> Enrichment (PHACE) project. Seed collections. Supervise undergraduates.</i><br>Immediate supervisor: Dr. David Williams, Associate Professor   |
| 01/2007 – 05/2007 | Nursery Garden Intern- Palouse Clear Water Environmental<br>Institute, Moscow, ID<br><i>Recording propagation protocols for native Palouse plants, plant propagation, community outreach, nursery garden maintenance, ecosystem restoration</i><br>Immediate supervisor: Isaak Strout, Palouse Clearwater Environmental<br>Institute Nursery Garden Technician |

### **Professional Experience (cont.)**

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- 08/2004 – 12/2006    Teaching Assistant-    General biology for majors and non-majors, Washington State University, Pullman, WA  
*Lecture and proctor biology labs; responsible for lectures and lab grades based on assignments, quizzes, and participation.*  
Immediate supervisor: Deborah Short, Lab Supervisor
- 08/2003 – 12/2003    Teaching Assistant-    General biology for majors, University of Arizona, Tucson, AZ  
*Lecture and proctor biology labs; responsible for running discussion sections and grading lecture exams*  
Immediate supervisor: Maureen Welch, Biology Laboratory Coordinator
- 06/2002 – 05/2004    Research Assistant-    Conservation biology and global change lab (Ecology and Environmental Sciences Dept.), University of Arizona, Tucson, AZ  
*Full-time summer and part-time school session position; responsible for assisting in experimental set-up and measurements of site vegetation and soils in the field and at Biosphere2.*  
Immediate Supervisor: Dr. Travis Huxman, Assistant Professor
- 08/2001-12/2003    Resident Assistant-    Residence Life at Coronado (700+ residents, sophomore and junior year) and at Villa del Puente (300+ residents, senior year), University of Arizona, Tucson, AZ  
*Program coordinating, Counseling, Teamwork, Community relationship development, Policy enforcement, Interviews for selection of future resident assistants, Leading staff development.*  
Immediate supervisor: Rebecca Selleck, Hall Director

### **Professsional Activities lab and field**

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- 05/2008- Current    Organization of data collected by various students from the Prairie Heating and CO<sub>2</sub> Enrichment (PHACE) project. Analysis of soil amino acid availability, leaf level gas exchange and plant water status at PHACE site. Growth of plants species present at PHACE site in hydroponic culture for nitrogen uptake studies. Supervision of undergraduate research assistant. University of Wyoming, Laramie, WY.
- 09/2007- 05/2008    Organization of data collected by various students from the Prairie Heating and CO<sub>2</sub> Enrichment (PHACE) project. Analysis of leaf area index and standing biomass from cover index of plants at PHACE site. Plot watering and seed collection. Preparation of samples for isotope analysis. Supervision of undergraduate research assistants. Assist in hosting seminar speakers. University of Wyoming, Laramie, WY.

### **Professional Activities lab and field (cont.)**

- 07/2004- 08/2006      Performed toxicity screens on *Arabidopsis thaliana* wild type and mutant seedlings to characterize the role of AtAAP1 (amino acid permease transporter) in root uptake of amino acids and used northern blot analysis and transgenic plants to determine environmental regulation of the expression of the *AtAAP1* transporter on plants grown in tissue and hydroponic culture. Washington State University, Pullman, WA.
- 06/2002- 05/2004      Conducted research along the Santa Rita Experimental Range, San Pedro River, and Tumamoc Hill in Tucson as well as at Biosphere 2 collecting measurements with equipment such as resin bags, gas analyzers and fluorescence systems and setting up and maintaining experiments. University of Arizona, Tucson, AZ.

### **Technical Training and Skills**

- Laboratory      Greenhouse and growth chamber skills, plant amplification, plant tissue culture, sterile technique, plant hydroponic culture, PCR amplification, PCR product purification, RT-PCR amplification, RNA extraction, Northern blot analysis, and GUS staining.
- Field      Setup and maintenance of experimental sites, gas analysis and use of pressure chamber, fluorescence systems, and resin bags.
- Software      Mac and PC fluent, Microsoft Office Programs, Adobe Photoshop.

### **Extracurricular Activities**

- 02/2008 – 07/2008      Multicultural Affairs member - Multicultural Affairs, University of Wyoming, Laramie, WY  
*Participate in panels for undergraduate minority students considering graduate school. Served on Multicultural Affairs manager position search committee.*
- 01/2008 – Current      PiE Student Faculty Representative & Speaker Series Committee member- Program in Ecology, University of Wyoming, Laramie, WY  
*Plan student-invited seminar speaker series. Host seminar speakers.*
- 09/2008 – Current      Barista - Coal Creek Coffee, Laramie, WY  
*Fair trade, organic products. Attendance of Mountain Regional Barista Competition and various Coal Creek events. I make good coffee and latte art in downtown Laramie and make a point to know customers! Planning first Barista Jam for Wyoming and Colorado participants.*
- 09/2008 – Current      Hip Hop & Jazz Dance – Laramie Dance Center, Laramie, WY  
*Weekly dance sessions, attendance of invited-dance coordinator seminars, annual recital*