

## CATHERINE W. M. CHAN ABBREVIATED BIOGRAPHICAL SKETCH

### EDUCATION

- 1998 - 2001, **Post-doctoral Associate**, Departments of Genetics and Horticulture,  
University of Wisconsin - Madison
- 1997, **Ph. D. in Cell and Molecular Biology**, University of Wisconsin - Madison
- 1989, **B.S. in Biochemistry and Molecular Biology**, University of Wisconsin - Madison

### ACADEMIC APPOINTMENTS

- 2010-present, **Associate Professor**, Depts. of Biological Sciences and Chemistry,  
University of Wisconsin-Whitewater
- 2005-present, **Assistant Professor**, Depts. of Biological Sciences and Chemistry,  
University of Wisconsin-Whitewater
- 2002-2005, **Assistant Scientist**, Dept. of Biochemistry, University of Wisconsin-Madison
- 1989, **Research Specialist**, Department of Pharmacology, University of Wisconsin-Madison

### SELECT PUBLICATIONS AND PRESENTATIONS

1. S. Chaiwongsar, A. K. Strohm\*, J. R. Roe\*, R. Y. Godiwalla\* and **C. W. M. Chan** (2009). A Cyclic Nucleotide-Gated Channel is Necessary for Optimum Fertility in High Calcium Environments. *New Phytologist* 183: 76-87. [PDF](#)
  2. **C. W. M. Chan**, D. J. Wohlbach, M. J. Rodesch and M. R. Sussman (2008). Transcriptional Changes in Response to Growth of *Arabidopsis* in High External Calcium. *FEBS Letters* 582: 967-976. [PDF](#)
  3. **C. W. M. Chan**, L. M. Schorrak\*, R. K. Smith Jr., A. F. Bent, and M. R. Sussman (2003). A Cyclic Nucleotide-Gated Ion channel, *CNGC2*, is Crucial for Plant Development and Adaptation to Calcium Stress. *Plant Physiology* 132: 728-731. [PDF](#)
  4. E. M. Hrabak, **C. W. M. Chan**, M. Gribskov, J. F. Harper, J. H. Choi, N. Halford, J. Kudla, S. Luan, H. G. Nimmo, M. R. Sussman, M. Thomas, K. Walker-Simmons, J.-K. Zhu, and A. C. Harmon (2003). The Arabidopsis CDPK-SnRK Superfamily of Protein Kinases. *Plant Physiology* 132: 666-680.
  5. P. Bhattacharyya and **C. W. M. Chan** (2016). From Apprentice to Practitioner: A Model for Engaging Lower Level Students in Undergraduate Research. *Office of Professional and Instructional Development Conference*. Green Lake, WI.
  6. P. Bhattacharyya and **C. W. M. Chan** (2016). A model for early engagement of underrepresented student groups in undergraduate research. *Council on Undergraduate Research Biennial Conference*. Tampa, FL.
  7. **C. W. M. Chan** and S. DeVore (2014). Expanding the Culture of Undergraduate Research to New Disciplines and Underserved Student Groups. *Council on Undergraduate Research Conference*. Washington D.C.
  8. M. Nider\* and **C. W. M. Chan** (2012). Effects of Titanium Dioxide Nanoparticles on a Model Land Plant, *Arabidopsis thaliana*. *American Chemical Society Rocky Mountain Regional Meeting*. Westminster, CO. Poster presentation with undergraduate co-presenter M. Nider.
  9. A. Redinger\*, J. Price\*, M. Nider\*, Emmanuel Higgins\* and **C. W. M. Chan** (2011). Effects of Pharmaceuticals and Personal Care Products on a Model Terrestrial Plant, *Arabidopsis thaliana*. *American Society of Plant Biologist National Conference*. Minneapolis, MN. Poster presentation with undergraduate co-presenter A. Redinger.
  10. J. Price\*, M. Nider\*, M. Stowers\*, A. Redinger\* and **C. W. M. Chan** (2011). Effects of Pharmaceuticals and Personal Care Products on a model terrestrial plant, *Arabidopsis thaliana*. *Society of Environmental Toxicology and Chemistry Regional Meeting*. Lake Geneva, WI. Poster presentation with undergraduate co-presenter J. Price.
- Awarded 2<sup>nd</sup> price in student poster presentations.

(\* denotes undergraduate co-author)

### SELECT GRANTS

1. WI Alliance for Minority Participation Small Grant Program, 2015-17. (PI: Juk Bhattacharyya, co-PI: **C. W. M. Chan**) \$24,968
2. UW System Undergraduate Research and Discovery Grant, 2014. (PI: **C. W. M. Chan**) \$49,706
3. UW System Growth Agenda Institutional Change Grant, 2014-18. (PI: **C. W. M. Chan**, co-PI: Dr. S. Meisel) \$330,429
4. Li-COR Corporation LEEF award, 2010. (PI: **C. W. M. Chan**, co-PIs: Drs. G. Clokey & E. Harrahy) \$48,000
5. Merck/AAAS Undergraduate Science Research Program, 2009-11. (PI: **C. W. M. Chan**, co-PIs: Drs. E. Harrahy and P. House) \$60,000 with additional College support

### SELECT UNIVERSITY AND PROFESSIONAL SERVICES

1. Director, Undergraduate Research Program, Summer 2012-present
2. Interim Director, Undergraduate Research Program, Fall 2011-Spring 2012
3. CUR Councilor, Chemistry Division, 2011-present
4. Panelist, National Science Foundation, 2009-present
5. Manuscripts and abstracts reviewer (e.g., New Phytologist, FEBS Letters, Posters on the Hill, etc.)

**SELECT AWARDS**

1. College of Letters and Sciences Service Award, 2015
2. UW System Outstanding Women of Color in Education Award, 2014
3. UW System Women in Leadership Honoree, 2012
4. College of Letters and Sciences Outstanding Research Award, 2011