

MACARENA P. FARCUH

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Ph.D.(c), Plant Sciences, UC Davis, USA

M.S. Agricultural Sciences, University of Chile, Santiago, Chile

B.S. Agricultural Sciences, University of Chile, Santiago, Chile

Research Interests:

Physiological, molecular and genetic basis of fruit ripening ‘on’ the tree and during postharvest for the improvement of final fruit quality.

EDUCATION

2001-2005	UNIVERSITY OF CHILE FACULTY OF AGRICULTURAL SCIENCES <ul style="list-style-type: none">• Bachelor of Agricultural Sciences with Distinction• Agricultural Engineer Degree with specialization in Fruit Production	Santiago, Chile
2005-2007	UNIVERSITY OF CHILE FACULTY OF AGRICULTURAL SCIENCES <ul style="list-style-type: none">• Master in Agricultural Sciences with specialization in Fruit Production (Emphasis in Fruit Postharvest)	Santiago, Chile
2012- present	UNIVERSITY OF CALIFORNIA DAVIS GRADUATE GROUP IN HORTICULTURE AND AGRONOMY DEPARTMENT OF PLANT SCIENCES <ul style="list-style-type: none">• Ph.D. Candidate	California, US

EXPERIENCE

2008- 2011	PONTIFICAL CATHOLIC UNIVERSITY OF CHILE <i>Research Assistant:</i> <ul style="list-style-type: none">▪ Stone Fruit Breeding Program, Technological Consortium of the Fruit Industry, ASOEX- PUC▪ Stone Fruit Germplasm Bank, Technological Consortium of the Fruit Industry, ASOEX- PUC	Santiago, Chile
2007- 2008	CHILE AGRO S.A. <i>Research and Development Department</i>	Santiago, Chile

2007	CONSULTORA AQUAVITA <i>Professional Support</i> Consultancy for FIA (Agricultural Innovation Foundation) in projects related to Agricultural Innovation Programs in Fruit Species	Santiago, Chile
June-August 2007	NATIONAL INSTITUTE OF AGRICULTURAL RESEARCH (INIA) Internship at Biotechnology Laboratory (INIA, La Platina)	Santiago, Chile
2005- 2007	UNIVERSITY OF CHILE <i>M.S. Student participating in:</i> "Consolidation of Peach Breeding Program through the Development of Cultivars of High Sensorial Value".	Santiago, Chile

TEACHING EXPERIENCE

Winter 2015	UNIVERSITY OF CALIFORNIA, DAVIS Teaching Assistant, Genetics and Biotechnology Lab (BIT161A)	Davis, CA USA
Fall 2014	UNIVERSITY OF CALIFORNIA, DAVIS Teaching Assistant, Postharvest Physiol and Handling of Hort Commodities (PLS172)	Davis, CA USA
2007-2008	CMET TV, Channel 58 TV Program Direction: 'Caring for our Field'	Santiago, Chile
2007-2008	ANDRES BELLO NATIONAL UNIVERSITY Invited to give a lecture on 'Transgenics in our Food'	Santiago, Chile
2006	UNIVERSITY OF CHILE Teaching Assistant, 'Plant Propagation' Course.	Santiago, Chile
2004	UNIVERSITY OF CHILE Teaching Assistant, 'Practice I' Course.	Santiago, Chile

COURSES ATTENDED

2013	<ul style="list-style-type: none"> 'The 2013 RNA-Seq Workshop: From Pipette to p-value' dictated by the Bioinformatics Core at the University of California, Davis.
2012	<ul style="list-style-type: none"> 'Postharvest Technology Short-Course' dictated at University of California, Davis.

PUBLICATIONS

- 2014 Kim, H.Y., **Farcuh, M.**, Cohen, Y., Crisosto, C., Sadka, A., Blumwald, E. 2014. Non-climacteric ripening and sorbitol homeostasis in plum fruits. *Plant Science*.
- 2012 Kim, H.Y., **Farcuh, M.**, Minas, I., Cohen, Y., Crisosto, C. and Blumwald, E. 2012. Physiological and Molecular Biological Characterization of Two Plum Cultivars: Climacteric and Mutant Non-Climacteric (poster). 10th Int'l Congress of Molecular Biology, Korea.
- 2010 Carrasco, B., Ayala, M., Gebauer, M., Zoffoli, J.P., **Farcuh, M.**, Altamira A., Agurto, M., and Mardones, J. Stone Fruit Breeding Program: Creating New Varieties for the Chilean Export Industry. 28th. Int'l Horticultural Congress (poster), Portugal, August, 2010.
- 2008 Infante, R., **Farcuh, M.**, and Meneses, C. 2008. Monitoring the sensorial quality and aroma through an electronic nose in peaches during cold storage. *Journal of the Science of Food and Agriculture*.
- 2007 **Farcuh, M.** 2007. Calidad Sensorial, con Énfasis en el Aroma, de Duraznos y Nectarinas después de Almacenamiento Refrigerado. (Tesis Ing. Agr., Mg. en Cs. Agropec.) Santiago, Chile, Universidad de Chile. Facultad de Ciencias Agronómicas. 31 pp.

LANGUAGES

- Spanish (written and spoken advanced level, primary language)
- English (written and spoken advanced level)

AWARDS

- 2012-2014 Henry A. Jastro Graduate Research Scholarship Award, UC Davis.
- 2011 Becas Chile Scholarship: 'Becas de Doctorado en el Extranjero' (CONICYT), Programa de Formacion de Capital Humano Avanzado, Chile:
- Distinction for being among the 8 best scores of the country.
- 2005 Distinction for being "Best Graduate in Agricultural Engineering of the year 2005", Faculty of Agricultural Sciences, University of Chile (from a total of 118 students).