CURRICULUM VITAE

**Peggy Goodenow Lemaux**

**Education**

 Miami University, Oxford, Ohio: B.A., cum laude (microbiology, chemistry) 1964‑1968.

 University of Michigan, Ann Arbor, Michigan: M.S. (microbiology, immunology) 1968‑1969.

 University of Michigan, Ann Arbor, Michigan: Ph.D. (microbiology) 1972‑1977.

 Cold Spring Harbor Laboratory, Cold Spring Harbor, New York: Molecular Biology of Plants Course 1983.

**Employment**

 Research Assistant: Infectious Diseases Unit, Upjohn Company, Kalamazoo, Michigan 1969‑1972.

 Staff Associate: Department of Plant Biology, Carnegie Institution of Washington, Stanford, California. 1985‑1987.

 Research Scientist: Department of Plant Genetics, DeKalb/Pfizer Genetics, Groton, Connecticut 1987‑1988.

 Senior Research Scientist: Department of Plant Genetics, DeKalb Plant Genetics, Groton, Connecticut 1988‑1991.

 Associate Cooperative Extension Specialist: University of California, Berkeley, California 1991‑1996.

 Associate Director, University of California Systemwide Biotechnology Research and Education Program, University of California Office of the President 1994-1995.

 Cooperative Extension Specialist: University of California, Berkeley, California 1996-present.

 Chair, University of California Division of Agriculture and Natural Resources Biotechnology Workgroup, 1999-2010

**Honors**

 Honored Women of the University of California, Berkeley. April 29, 1995.

 Distinguished Service Award, Outstanding Research, from the Cooperative Extension Academic Assembly Council, Division of Agriculture and Natural Resources, Outstanding Research, DANR, August 1997.

 Fellow, American Association for the Advancement of Science, 2002.

 Dennis R. Hoagland Award for Outstanding Contribution to Agriculture, American Society of Plant Biologists, 2003.

 Distinguished Service Award, Outstanding Extension, University of California Cooperative Extension, 2006.

 Fellow, Crop Science Society of America, 2007.

 Fellow, American Society of Plant Biologists, 2009.

 Career Achievement Award, Society of In Vitro Biology, June 2010.

 President, American Society of Plant Biologists, 2011-. 2013.

 Excellence in Education Award, American Society of Plant Biologists, July 2012.

 Award of Excellence, Extension Education Community Education Materials, ASA-CSSA-SSA, November 2015.

 Exceptional Mentor Award, Biotech Partners, May 2018.

 Charles Reid Barnes Lifetime Achievement Award, ASPB, 2022.

**Teaching/Outreach/Campus/Professional Activities**

 Member, Legislative and Regulatory Subcommittee of UC Systemwide Biotechnology Research and Education Program 1992-1996.

 Member, Advisory Committee, Berkeley Biotechnology Education, Inc. 1992-1995.

 Member, Chancellor's Advisory Committee on Laboratory and Environmental Biosafety, 1992-1995.

 Member, Biological Sciences Advisory Committee, National Aeronautics and Space Administration, 1993-1997.

 Member, Curriculum Development Committee, Berkeley Unified School District/Vista Community College Two-Plus-Two Technical Curriculum for Biotechnology, 1993-1995.

 Member, Program Planning Advisory Committee, Division of Agriculture and Natural Resources, University of California, 1994-1997.

 Member, Standing Committee, College of Natural Resource, 1994-1997.

 Member, National Sustainable Agriculture Advisory Committee, United States Department of Agriculture, 1995-1996.

 Member, Agricultural Subcommittee of UC Systemwide Biotechnology Research and Education Program 1995-2000.

 Member, Division of Agriculture and Natural Resources Organizational Strategy Team, 1996-1997.

 Member, Review Committee for the Crop Resources Germplasm Program, Division of Agriculture and Natural Resources, 1997.

 Chair, member, Public Affairs Committee, American Society of Plant Biologists, 1997-2003

 Chair, elected member, American Association for the Advancement of Science, Electorate Nominating Committee, 1999-2001

Member, American Society of Microbiology, Public and Scientific Affairs Board Committee on Food and Agriculture. 1999-present

Chair, UC Division of Agriculture and Natural Resources, Statewide Workgroup, Linking Research and Education in Agricultural and Environmental Biotechnology, 1999-present

Co-Chair, UC Division of Agriculture and Natural Resources, Statewide Workgroup, Nutritional Genomics, 1999-2001

Member, California Food Biotechnology Advisory Committee, 2001-2003

Member, *Ad Hoc* Peer Review Committee, Division of Agriculture and Natural Resources, 2002.

Member, American Society of Plant Biologists Education Foundation, 2006-2009.

President, elected, American Society of Plant Biologists, 2011-2014.

Lead Instructor, PMB290: Science Communication, Fall 2015.

Member, appointed, C-4 Representative on Crop Science Society of America Rapid Response Team Committee (C536.1) (3 yr appt starts 1/2016).

Faculty Lead, The Millet Project, funded by Berkeley Food Institute, 2014-present.

Faculty Lead, Communication, Literacy, Education for Agricultural Research (CLEAR), funded by Global Food Initiative, 2015-present.

**Outreach Publications**

 Odegard, W., Townsend, M. S., **Lemaux, P. G**., Disbrow, D., Chang, G. 1994. "Biotechnology and Food", 4-H What's In Food Family Food Safety Education Program.

 Huttner, S., Miller, H.I., **Lemaux, P.G.** 1995. "U.S. Agricultural Biotechnology: Status and Prospects", *Technology Forecasting and Social Change*, 50:25-39.

 **Lemaux, P.G.**, M.J. Cho, J. Louwerse, R. Williams, Y. Wan 1996. "Bombardment-mediated Transformation Technologies for Barley", *Bio-Rad Laboratories Technical Bulletin, Bulletin* #2007.

 Kaffka, S., **Lemaux, P.G.** 1996. "Sugar Beet Research Notes: Beet Yellows Virus Resistance in Sugar Beet-Classical and Molecular Approaches" and "Sugar Beet Biotechnology: A Prudent Approach for the California Industry", Cooperative *Extension Bulletin*, UC Division of Agriculture and Natural Resources publication #21544.

 Kaffka, S., **Lemaux, P.G.** 1996. "Sweeter Times Ahead for Sugarbeet Growers" *Nature Biotechnology* 14:1088.

 **Lemaux, P.G.** 1996. "Biotechnology in Cotton - Current Status". *California Cotton Review* 41:1-2.

 Sellers, C., **Lemaux, P.G.** 1996. “Development and Use of Herbicide Resistant Crops for California*” Proceedings of the 48th annual California Weed Science Society*, Sacramento CA. pp. 212-223.

 Vickers, K.M., **Lemaux, P.G.** 1996. “Impact of Biotechnology and the Environment: Challenges and Opportunities”. *Proceedings from the American Society for Horticultural Science 93rd Annual Conference*. *HortScience* 31:698-699. 1996.

 Koshinsky, H., **Lemaux, P.G.** 1996. Biotechnology in Alfalfa, *27th National Alfalfa Symposium Proceedings, December 9-10, 1996, San Diego, CA*, pp. 53-62.

 **Lemaux, P.G**. 1997. "Intellectual Property Rights: The Trump Card for Biotechnology", Proceedings *of 31st National Barley Improvement Conference*, January 8, 1997 Minneapolis MN, pp. 62-64.

 **Lemaux, P.G.** 1997. "Taking Biotechnology to the Community", *National Biological Impact Assessment Program Newsletter*, February 1997, pp 1-2.

 **Lemaux, P.G.** 1997. "A Tomato Is a Tomato, or Is It?” College of Natural Resources *Issues and Breakthroughs*, 3:14.

 **Lemaux, P.G**. 1997. "Transformation of Recalcitrant Crops: Progress and Remaining Challenges", *Proceedings of American Society of Sugarbeet Technologists*, March 1997.

 **Lemaux, P.G**. 1999. “Impact of Public Perception on Regulatory Policy for Agricultural Biotechnology”, *Plant Biotechnology*, 16:73-78.

 **Lemaux, P.G**., Qualset, C.A. 1999. Wheat of the Past and Wheats of the Future. *Aaronsohn Lectures on Wild Emmer Wheat*, Tel Aviv University Institute for Cereal Crops Improvement, April 14-15, 1999, Zikhron Ya'aqov, Israel. pp. 125-139.

 **Lemaux, P.G**. 1999. “Safe in the Ivory Tower?” *ASPP News*, November/December, Volume 26, No. 6, p. 12.

 **Lemaux, P.G**., Sellers, C. and Vargas, R. 2000 "Biotechnology and Weeds", in Issues in Crop Science, publ. California Weed Science Society.

 Cho, M.-J., **Lemaux, P.G.** 2000. Issues with new GM foods: biotechnology and agriculture. *Biotechnology and Seed War in the 21st Century*, Seoul, Korea, pp. 65-75.

 **Lemaux, P.G.** 2002. Ignorance about bio-tech hurts world's hungry. *Duluth News-Tribune*, August 1, 2002. <http://www.duluthsuperior.com/mld/duluthsuperior/3777424.htm>

Dolan, E.L., Soots, B.E., **Lemaux, P.G**., Rhee, S.Y., Reiser, L. 2004. Strategies for avoiding reinventing the precollege education and outreach wheel *Genetics* 166:1601-1609.

**Lemaux, P.G**. 2004. “A Rose by Any Other Name Is Still a Rose”, 2004. *California Ornamental Research Foundation News*, December 2004, pp.

**Lemaux, P.G**. 2004. “Biotechnology Basics: Some of the Science And Some of the Issues”, *Cotton Newsletter*, December 2004, pp. 1-4.

**Lemaux, P.G**. 2004. “Biotechnology 101: All You Need To Know in a Few Minutes”, 2004. *Proceedings 2004 National Alfalfa Symposium*, San Diego CA Dec. 13-15, 2004, pp. 345-350.

**Lemaux, P.G**. 2005. “The Look of Corn: Yesterday, Today and Tomorrow”, 2005. UC MEXUS Seminar Series Handouts, February 23, 2005, pp. 9-12.

# **Lemaux, P.G**. 2006. “Introduction to Genetic Modification”, Agriculture in Biotechnology in California, publication #8178.

# **Lemaux, P.G**. 2006. “Some Food and Environmental Safety Issues with GE Products: A Scientific Perspective”, Agriculture in Biotechnology in California, publication #8187.

**Lemaux, P.G.** 2006. “Is a Grape by Any Other Name Still a Grape?”, UCCE Fresno County *VineLines* December 2006, pp. 1,3,6

**Lemaux, P.G.** 2006. “Ag Biotech Pipeline. What’s in the Lineup?”, Agricultural Biotechnology: Economic Growth through New Products, Partnerships and Workforce Development, eds. A. Eaglesham, R. Hardy, National Agricultural Biotechnology Council, Ithaca NY. *NABC Report 18* pp 31-43.

**Lemaux P.G**; Cartwright R. 2007. Think You Know About Liberty Link Rice? Try Explaining It in Simple Terms” *RiceCAP Newsletter* 3(6): 7.

**Lemaux P.G.** 2007. “**From the Farm to the Laboratory: A Winding Road to Plant Biology”, *American Society of Plant Biologists Newsletter*, 34(3) June/July.**

**Lemaux P.G. 2007. “CAP PIs Meet to Coordinate Efforts”, *Barley CAP Newsletter* 2:1.**

**Lemaux P.G. 2007. “Lead PIs and Education and Extension PIs Meet to Coordinate Efforts”, *Institute of Barley and Malt Sciences Newsletter*, 3: 3-4 June.**

**Lemaux P.G. 2007. “LL601 Rice. What Is It and What Does It Mean?”, Fact Sheet written for RiceCAP, linked online at ucbiotech.org, June 2007.**

**Lemaux P.G. 2007. “Do We Need Genetically Modified Foods to Feed the World? A Scientific Perspective”. In: Realities of Nutrition, 3rd Edition. Morrill JS and Deutsch RM. Orange Grove Publishing, Menlo Park CA, pp. 268-270.**

**Lemaux P.G. 2008. “Genetically Engineered Plants and Foods: A Scientist’s Analysis of the Issues. Part I.” *Annual Review of Plant Biology* 59:771-812.**

**Lemaux P.G. 2009. “Biotechnology 101: (some of) What You Need to Know in a Few Minutes.”. *Proceedings California Plant and Soil Conference* (American Society of Agronomy) Fresno CA February 3-4, 2009, pp. 25-29*,***

**Lemaux P.G. 2009. “Genetically Engineered Plants and Foods: A Scientist’s Analysis of the Issues. Part II.” *Annual Review of Plant Biology*,60: 511-559.**

**Lemaux P.G.** 2010. “What's Slowing Commercialisation of GE Crops? Regulatory, Economic, Intellectual Property and Consumer Acceptance Issues”. In '1st Australian Summer Grains Conference'. Gold Coast, Australia. (Eds B George-Jaeggli, DJ Jordan). (Grains Research and Development Corporation) <<http://www.vision6.com.au/ch/33537/17ctt/1571498/2ed99jd5m.html>>.

**Lemaux P.G.**, Alonso B., Hertsgaard K. 2010. “Barley CAP Extension Efforts Go Online!”, *BarleyCAP Newsletter* March 2010, p. 3.

**Lemaux P.G**. 2011. “New Plant Varieties: How Can You Protect Your Investment?”. *Issues* 96; 37-40.

**Lemaux P.G.**, Alonso B. 2011. “It’s DNA for Dinner Time!”, ASPB News. January/February 38(1): 29-30.

**Lemaux P.G**. 2011. “UC biotechnology website helps the public understand GMOs”. UC Delivers, UCANR <http://ucanr.org/delivers/impactview.cfm?impactnum=296> .

**Lemaux P.G.** 2011. “Barley CAP Publishes Fact Sheet on Ug99 Stem Rust”. Institute of Barley and Malt Sciences Newsletter 14:6.

**Lemaux P.G.,** Alonso B. 2011. “It’s (DNA for) Dinner Time”. *California Classroom Science* 22 (9): 1 May 2011 (<http://www.classroomscience.org/it%E2%80%99s-%E2%80%9Cdna-for-dinner%E2%80%9D-time> )

**Lemaux P.G.,** Alonso B. 2011. “DNA for Dinner Curriculum” *Plant and Soil Sciences eLibrary* (posted May 2011) <http://passel.unl.edu/pages/informationmodule.php?idinformationmodule=1130447125>

**Lemaux, P.G.** 2012. Genetically Engineered Crops Can Be Part of a Sustainable Food Supply: Food and Food Safety Issues. In: The Role of Biotechnology in a Sustainable Food Supply (Popp, J., M. Jahn, M. Matlock and N. Kemper, eds.), Cambridge, Chapter. 7, pp. 122-140.

**Lemaux P.G**. 2012. “The Year Ahead Filled with Challenges and Opportunities” *ASPB News* 39 (6): 1-3.

**Lemaux P.G**. 2013. “The What & How of Classic and Modern Methods of Plant Modification”. *The Soy Connection* 21: 4.<http://www.soyconnection.com/newsletters/soy-connection/health-nutrition/summer-2013/plant-modification-old-and-new-what-it-is-how-its-done>

**Lemaux P.G**. 2013.”Plant Biology Researchers Face Their Own Fiscal Cliffs” *ASPB News* 40 (1): 1-3,8.

**Lemaux P.G**. 2013. “*GMO Labeling? Open Borders? Nuclear Energy Proliferation? Raising Taxes?”* *ASPB News* 40 (2):1-3.

**Lemaux P.G**. 2013. “Egg-citing! ASPB’s STEPs at the White House” *ASPB News* 40 (3):1-4.

**Lemaux P.G.** 2013. : Is It Time to Think Outside the Box About Funding for Agricultural R&D?” *ASPB News* 40 (4): 1, 3-4.

**Lemaux P.G.** 2013. “To Die For?” *ASPB News* 40 (5): 1-4.

**Lemaux, P.G.** and Grafton-Cardwell, E. 2016. What makes lemons, oranges and limes look and taste different? *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/LemauxBreedingGE/)

Bonning, B., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. A new, Bt toxin-based strategy for suppression of the Asian citrus psyllid vector of HLB. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Bonning/)

Thomson, J., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Founder lines used to improve HLB tolerance. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Thomson/)

Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Disease resistance in citrus with addition of plant defense genes. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Dutt_Grosser/)).

Pelz-Stelinski, K., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Altering the Asian citrus psyllid’s beneficial bacteria to stop HLB spread. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Pelz-Stelinski/)

Hall, D., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. HLB control: capitalizing on resistance in *Poncirus trifoliata* to Asian citrus psyllid. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Hall/)).

Leveau, J., McGuire, B., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Changes in microbial communities on citrus leaves can help detect HLB. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Leveau/)).

Ma, W., Figuera, S.G., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Using antibodies for early detection of HLB infection. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Ma/)).

Ma, W., Coaker, G., Wang, N., Ancona, V., Vidalakis, G., Figuera, S.G., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Using genome editing to develop HLB-resistant or -tolerant citrus. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Ma_et_al/)).

Stansly, P., Croxton, S., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2017. Reducing Asian citrus psyllid Infestation and disease incidence with reflective mulches. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Stansly/)

Stelinski, L., Killiny, N., Grafton-Cardwell, E., and **Lemaux, P.G.** 2017. Using interference RNA to manage Asian citrus psyllids. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Stelinski_Killiny/)

McCollum, G., McGuire, B., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. How is the HLB-associated bacterium detected in citrus trees and Asian citrus psyllids? *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/McCollum/)).

Dawson, B., Pelz-Stelinski, K., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. Using tristeza virus to provide citrus with anti-microbial or insecticidal protection. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Dawson_Pelz-Stelinski/)

Ferrarezi, R.S., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. Growing citrus under enclosures. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Ferrarezi/)).

Heck, M., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. Controlling psyllid gut cell death to prevent Huanglongbing. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Heck/)

**Lemaux, P.G.**, Mackelprang, B., and Grafton-Cardwell, E. 2018. New genome editing technologies – CRISPR. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/LemauxCRISPR/)).

**Lemaux, P.G.** and Grafton-Cardwell, E. 2018. Genes, Genomes and Genetic Engineering in Citrus. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/LemauxGeneticEngineering/)).

Pourezza, A., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. Starch accumulation sensor for early detection of HLB. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Pourezza/)

Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2018. Using peptides as a preventative approach to target the psyllid and the pathogen. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Shatters/)).

Stelinski, L., Grafton-Cardwell, E., and **Lemaux, P.G.** 2018. Attractants and traps for ACP management. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Stelinski/)).

Stover, E., Grafton-Cardwell, E., **Lemaux, P.G.**, and Garcia-Figuera, S. 2018. Progress toward HLB-tolerant citrus from conventional plant breeding. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) ([link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Stover/)).

Vincent, C., Rivera, M., Grafton-Cardwell, E., and **Lemaux, P.G.** 2019. Using particle films to manage ACP. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Vincent/)

Davis, C., McCartney, M., Grafton-Cardwell, and **Lemaux, P.G.** 2019. Using volatile changes in citrus for early detection of HLB. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Davis/)

Falk, B., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2019. Using insect viruses to combat the Asian citrus psyllid. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Falk/)

Slupsky, C., Chin, E., Grafton-Cardwell, E., **Lemaux, P.G.**, and Stelinski, L. 2019. Metabolite changes in the tree can help us detect Huanglongbing. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article).](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Slupsky/)

Mandadi, K., Ancona, V., Futch, S., Grafton-Cardwell, E., and **Lemaux, P.G.** 2019. Hairy root matrix used to culture CLas to rapidly screen antimicrobials for improved HLB management. *Research Snapshot*, [Science for Citrus Health website](https://ucanr.edu/sites/scienceforcitrushealth/) [(link to article](https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/Mandadi/)).

**Lemaux, P.G**. 2019. Part 8, Chapter 20, “Agriculture: Realities of Leaf and Soil” in Morrill, Judi S., "Realities of Nutrition" (2019). Open Educational Resources. p. 268; <https://scholarworks.sjsu.edu/oer/4>

**Mackelprang R, Lemaux PG. 2020.** Genetic Engineering and Editing of Plants: An Analysis of New and Persisting Questions. ***Annual Rev Plant Biol*** <https://doi.org/10.1146/annurev-arplant-081519-035916>

Sétamou, M., Martini, X., Rivera, M., Grafton-Cardwell, E., and **Lemaux, P.G.** 2020. Artificial border fencing and live windbreaks for ACP management. *Research Snapshot*, <https://ucanr.edu/sites/scienceforcitrushealth/Research_Snapshots/S%C3%A9tamou/>

Sankovitz, M., Garcia-FigueraS, , Rivera M, AlonsoB, StelinskiL, **LemauxP.G.**, 2020. “ ‘Science for Citrus Health’ Educational Resources about the Fight against HLB”. *Citrus Industry Magazine.* Fall 2020.

Friesner, J, .Colon-Carmona, A., Schnoes, A.M., Stepanova, A., Mason, G.A., Macintosh, G.C., Ullah, H., Baxter, I., Callis, J., Sierra-Cajas, K., Elliott, K., Haswell, E.S., Zavala, J.E., Wildermuth, M., Williams, J., Ayalew, M., Hankhaus, N., Prunet, N., **Lemaux, P.G.**, Yadegari, R., Amasino, R., Hangarter, R., Innes, R., Brady, S., Long, T., Woodford-Thomas, T., May, V., Sun, Y., Dinneny, J. 2021. “Broadening the impact of plant science through innovative, integrative and inclusive outreach”. *Plant Direct* , <https://doi.org/10.1002/pld3.316>

 **Professional Societies**

 American Association for the Advancement of Science

 American Society of Agronomy

 American Society of Cell Biology

 American Society of Microbiology

##  American Society of Plant Physiologists

##  California Women for Agriculture

 Council for Agricultural Science and Technology

 Crop Science Society of America

 International Society of Plant Molecular Biologists

 National Science Teachers Association

 Society of In Vitro Biology

 Soil Science Society of America

**Issued Patents**

Adams, T. R.; Adams, W. R., Jr.; Chambers, S. A., Daines, R.J. Gordon-Kamm, W.J., Kausch, A.J., Kreuger, R.W., **Lemaux, P.G.,** Mackey, C.J., Mangano, M.L., O’Brien, J.V., Rice, T.B., Spencer, T.M., Start, W.G., Willetts, N.G. Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof. Patent Number: US 5550318. August 27, 1996. *DeKalb Genetics Corporation.*

Adams, T. R.; Chambers, S. A., Daines, R.J. Gordon-Kamm, W.J., Kausch, A.J., **Lemaux, P.G.,** Mackey, C.J., Mangano, M.L., O’Brien, J.V., Rice, T.B., Spencer, T.M., Start, W.G., Willetts, N.G. Process of producing fertile transgenic *Zea mays* plants and progeny comprising a gene encoding phosphinothricin acetyl transferase. Patent Number: US 5489520. February 6, 1996. *DeKalb Genetics Corporation.*

Adams, T. R.; Chambers, S. A., Daines, R.J. Gordon-Kamm, W.J., Kausch, A.J., **Lemaux, P.G.,** Mackey, C.J., Mangano, M.L., O’Brien, J.V., Rice, T.B., Spencer, T.M., Start, W.G., Willetts, N.G. Methods and compositions for the production of stably transformed fertile monocot plants and cells thereof. Patent Number: US 5874265. February 23, 1999. *DeKalb Genetics Corporation.*

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