

## 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-present

#### **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) 2016-2019

### **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. Louwse, 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 48<sup>th</sup> 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 93<sup>rd</sup> 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 31<sup>st</sup> 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 21<sup>st</sup> 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](http://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*, 3<sup>rd</sup> 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.

### **Professional Societies**

American Association for the Advancement of Science  
 American Society of Agronomy  
 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

## 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

## 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*.

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 5919675. July 6, 1999. *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 5969213. October 19, 1999. *DeKalb Genetics Corporation*.
- Lemaux, P.G.**; Cho, M.-J. Compositions and methods for plant transformation and regeneration. *Official Gazette of the United States Patent and Trademark Office Patents*. May 22, 2001. 1246(4): No Pagination. US 6235529; May 22, 2001, 435-4301, USA. The Regents of the University of California.
- Colby, S. M., Crock, J. E., **Lemaux, P. G.**, Croteau, R.B. Germacrene C synthase gene of *Lycopersicon esculentum*. *Official Gazette of the United States Patent and Trademark Office Patents*. Jan. 29, 2002. 1254(5): No Pagination. US 6342380; January 29, 2002, 435-183, USA The Regents of the University of California, Berkeley, CA, USA; Washington State Research Foundation, Pullman, WA, USA.
- Cho, M.-J., del Val, G., Caillau, M., **Lemaux, P.G.**, Buchanan, B.B. Barley gene for Thioredoxin and NADP-thioredoxin reductase. *Official Gazette of the United States Patent and Trademark Office Patents*. Apr. 30, 2002. 1257(5): No Pagination. US 6380372; April 30, 2002, 536-231, USA. The Regents of the University of California.
- Zhang, S., Cho, M.-J., Bregitzer, P., **Lemaux, P.G.** Methods and compositions for transformation of cereals using cultured shoot meristematic tissue. *Official Gazette of the United States Patent & Trademark Office Patents*. 1264(4). Nov. 26, 2002, USA. The Regents of the University of California.
- Lemaux, P.G.**, Cho, M.-J. Method for preparing barley green regenerative tissue *Official Gazette of the United States Patent & Trademark Office Patents*. 1269(1). Apr. 1, 2003, USA. The Regents of the University of California.
- Lemaux, P.G.**, Cho, M.-J., Buchanan, B.B. Production of proteins in plant seeds *Official Gazette of the United States Patent & Trademark Office Patents*. 1276(1). Nov. 4, 2003, USA. The Regents of the University of California.
- Cho, M.-J., **Lemaux, P.G.**, Buchanan, B.B., Wong, J., Marx, C. Value-added traits in grain and seed transformed with thioredoxin *Official Gazette of the United States Patent & Trademark Office Patents*. 1285(5). Aug. 31, 2004, USA. The Regents of the University of California.
- Cho, M.-J., del Val, G., Caillau, M., **Lemaux P.G.**, Buchanan, B.B. Barley gene for thioredoxin and NADP-thioredoxin reductase. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: US 06833493, December 21, 2004. The Regents of the University of California.
- Lemaux P.G.**, McElroy D., Koprek T. Transposon Tagging and Gene Delivery in Small Grain Cereals. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: US 06951972, October 4, 2005. The Regents of the University of California.

- Lemaux P.G.**, Cho, M.-J. Compositions and methods for plant transformation and regeneration. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: US 07102056, September 5, 2006. The Regents of the University of California.
- Cho, M.-J., **Lemaux P.G.**, Buchanan B.B. Production of proteins in plant seeds. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: US 07157629, January 2, 2007. The Regents of the University of California.
- Cho, M.-J., Wong, J., **Lemaux P.G.**, Buchanan B.B. Transgenic plants with elevated thioredoxin levels. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: US 07179964, Feb. 20, 2007. The Regents of the University of California.
- Zhang S., Carrier R., **Lemaux P.G.** Methods and compositions for transformation and regeneration of maize. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: 7,429,691. September 30, 2008. The Regents of the University of California.
- Adams TR, Anderson, PC, Chambers SA, Chomet PS, Daines RJ, Flick CE, Glassman K, Gordon-Kamm WJ, Kausch AP, Laccetti LB, **Lemaux PG**, Mackey CJ, Mangano ML, Mann MT, O'Brien JV, Orozco EM, Orr P, Rice TB, Spencer TM, Start WG, Stephens MA, Vetsch CS, Walters DA, Walters DS, Willetts NG, Zachwieja AJ. Methods and Compositions for the Production of Stably Transformed Fertile Monocot Plants and Cells Thereof. *Official Gazette of the United States Patent and Trademark Office Patents*. Patent Number: 7,705,215 B1. April 27, 2010. Dekalb Genetics Corporation, Dekalb IL USA

### Research Publications

- Argoudelis, A.C., Coats, J.H., **Lemaux, P.G.**, Sebek, O.K. 1972. Antibiotics Produced by Mutants of *Streptomyces caelestis*. *Journal of Antibiotics* 35:445-455.
- Pedersen, S., Blumenthal, R.M., Reeh, S., Parker, J., **Lemaux, P.G.**, Laursen, R.A., Nagarkatti, S., Friesen, J.D. 1976. A Mutant of *E. coli* with an Altered Elongation Factor Tu. *Proceedings of National Academy of Science USA* 73:1698-1701.
- Blumenthal, R.M., **Lemaux, P.G.**, Neidhardt, F.C., Dennis, P.P. 1976. The Effects of the *relA* Gene on the Synthesis of Aminoacyl-tRNA Synthetases and Other Transcription and Translation Proteins in *Escherichia coli* B. *Molecular and General Genetics* 149:291-296.
- Lemaux, P.G.**, Herendeen, S.L., Bloch, P.L., Neidhardt, F.C. 1978. Transient Rates of Synthesis of Individual Polypeptides in *E. coli* Following Temperature Shifts. *Cell* 13:427-434.
- Lemaux, P.G.**, Miller, D.L. 1978. A Study of a Mutant Elongation Factor, Properties of *E. coli* HAK88 and Mutant Elongation Factor Tu. *Molecular and General Genetics* 159:47-55.
- Chou, J., Casadaban, M.J., **Lemaux, P.G.**, Cohen, S.N. 1979. Identification and Characterization of a Self-Regulated Repressor of Translocation of the Tn3 Element. *Proceedings of National Academy of Science USA* 76:4020-4024.



- Chou, J., **Lemaux, P.G.**, Casadaban, M.J., Cohen, S.N. 1979. Transposition Protein of Tn3: Identification and Characterization of an Essential Repressor-controlled Gene Product. *Nature* 282:801-806.
- Cohen, S.N., Casadaban, M.J., Chou, J., **Lemaux, P.G.**, Miller, A., Tu, R.-P.D. 1980. Regulation of Tn3 Transposition and Specificity of its Insertion Sites. In: *Mobilization and Reassembly of Genetic Information* (Proceedings of the Twelfth Miami Winter Symposium, 7-11 January 1980, Miami, FL) Academic Press (New York), pp. 65-79.
- Casadaban, M.J., Chou, J., **Lemaux, P.G.**, Tu, C.-P.D., Cohen, S.N. 1981. Tn3: Transposition and Control. *Transposable Genetic Elements*, Cold Spring Harbor Laboratory Publications (Cold Spring Harbor), pp. 269-273.
- Das, J.K., Biro, P.A., Cohen, S.N., Erlich, H.A., Gabain, A., Lawrence, S., **Lemaux, P.G.**, McDevitt, H.O., Peterlin, B.M., Schulz, M.-F., Sood, A.K., Weissman, S.M. 1983. Use of Synthetic Oligonucleotide Probes Complementary to Human HLA-DR Alpha and Beta Genes as Extension Primers for the Isolation of 5'-specific Genomic Clones. *Proceedings of National Academy of Science USA* 80:1531-1535.
- Lemaux, P.G.**, Grossman, A.R. 1984. Isolation and Characterization of a Gene for Major Light-harvesting Polypeptides from *Cyanophora paradoxa*. *Proceedings of National Academy of Science USA* 81:4100-4104.
- Lemaux, P.G.**, Grossman, A.R. 1985. Major Light-harvesting Polypeptides Encoded in Polycistronic Transcripts in a Eukaryotic Alga. *EMBO Journal* 4:1911-1919.
- Conley, P.B., **Lemaux, P.G.**, Grossman, A.R. 1986. Cyanobacterial Light-harvesting Complex Subunits are Encoded in Two Red Light-induced Transcripts. *Science* 230:550-553.
- Conley, P.B., **Lemaux, P.G.**, Lomax, T.L., Grossman, A.R. 1986. Genes Encoding Major Light-harvesting Polypeptides are Clustered on the Cyanobacterial Genome of *Fremyella diplosiphon*. *Proceedings of National Academy Sciences USA* 83:3924-3928.
- Grossman, A.R., **Lemaux, P.G.**, Conley, P.B. 1986. Regulation of Phycobiliprotein Synthesis. *Photochemistry and Photobiology* 44:827-837.
- Conley, P.B., **Lemaux, P.G.**, Grossman, A.R. 1988. Molecular Characterization and Evolution of Sequences Encoding Light-harvesting Components in the Chromatically-adapting Cyanobacterium *Fremyella diplosiphon*. *Journal of Molecular Biology* 199:447-465.
- Grossman, A.R., **Lemaux, P.G.**, Conley, P.B., Bruns, B., Anderson, L.A. 1988. Characterization of Phycobiliprotein and Linker Polypeptide Genes in *Fremyella diplosiphon* and Their Regulated Expression during Complementary Chromatic Adaptation. *Photosynthesis Research* 17:23-56.
- Grossman, A.R., Anderson, L.K., Conley, P.B., **Lemaux, P.G.** 1989. Molecular Analyses of Complementary Chromatic Adaptation and the Biosynthesis of a Phycobilisome. *Algae as Experimental Systems*, Alan R. Liss, Inc. (New York) pp. 269-289.

- Spencer, T.M., Gordon-Kamm, W.J., Daines, R.J., Star, W.G., **Lemaux, P.G.** 1990. Bialaphos Selection of Stable Transformants from Maize Cell Culture. *Theoretical and Applied Genetics* 79:625-631.
- Gordon-Kamm, W.J., Spencer, T.M., Mangano, M.L., Adams, T.R., Daines, R.J., Start, W.G., O'Brien, J.V., Chambers, S.A., Adams, W.R., Willetts, N.G., Rice, T.B., Mackey, C.J., Krueger, R.W., Kausch, A.P., **Lemaux, P.G.** 1990. Transformation of Maize Cells and Regeneration of Fertile Transgenic Plants. *Plant Cell* 2:603-618.
- Gordon-Kamm, W.J., Spencer, T.M., O'Brien, J.V., Start, W.G., Daines, R.J., Adams, T.R., Mangano, M.L., Chambers, S.A., Zachwieja, S.J., Willetts, N.G., Adams, W.R., Mackey, C.J., Krueger, R.W., Kausch, A.P., **Lemaux, P.G.** 1991. Transformation of Maize Using Microprojectile Bombardment: An Update and Perspective. *In Vitro Cellular and Developmental Biology* 27P: 21-27.
- Spencer, T.M., O'Brien, J.V., Start, W.G., Adams, T.R., Gordon-Kamm, W.J., **Lemaux, P.G.** 1992. Molecular and Phenotypic Analysis of Transgene Segregation in Maize. *Plant Molecular Biology* 18:201-210.
- Mackey, C.J., Spencer, T.M., Adams, T.R., Kausch, A.P., Gordon-Kamm, W.J., **Lemaux, P.G.**, Krueger, R.W. 1993. Transgenic Maize. *Transgenic Plants, Volume 2: Present Status and Social and Economic Impacts*, Academic Press (New York), pp. 21-33.
- Wan, Y., **Lemaux, P.G.** 1994. Generation of Large Numbers of Independently Transformed Fertile Barley Plants. *Plant Physiology*, 104: 37-48.
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