CURRICULUM VITA

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Citizenship: USA (Naturalized 2/28/95)

Education:

Ph.D. (genetics), 1978, University of Alberta, *E. coli* mutants defective in pppGpp hydrolysis
M.Sc. (genetics), 1976, University of Alberta, Positive gene regulation by *relA* in *E. coli*
B.Sc. (mathematics), 1974, University of Alberta

Employment:

Director, Carnegie Institution of Washington Department of Plant Biology, 1994
Professor, Department of Biological Sciences, Stanford University, 1994-
Professor, Department of Botany and Plant Pathology and MSU-DOE Plant Research Laboratory, Michigan State University, 1986-93
Associate Professor, Department of Botany and Plant Pathology and MSU-DOE Plant Research laboratory, Michigan State University, 1982-86
Assistant Professor, Department of Genetics, University of Alberta, 1981
Research Associate, Department of Agronomy, University of Illinois 1978-81

Awards:

Elected Fellow of AAAS (2004); Genetics Society, Mendel Medal (2004); Biochemical Society, Sir Frederick Gowland Hopkins Memorial Lecture (2004); Elected member, Academia Europaea (2002); Kuhmo Award (2001); D.Sc., Wageningen University (1998); Visiting Professor, University of Glasgow (1998-); D.Sc., University of Alberta (1997); Elected to U.S. National Academy of Sciences (1996); D.Sc., Queens University (1993); American Society of Plant Physiologists Gibbs Medal (1993); Elected Fellow of Royal Society of Canada (1993); Humbolt Senior Research Award (1992); MSU Distinguished Faculty Award (1992); Elected Fellow of Royal Society London (1991); Schull Award, American Society of Plant Physiologists (1987); National Science Foundation Young Presidential Investigator Award (1984)

Professional Service:
Panel Member, USDA-ARS Federal Support for Soybean Research, (1981); Panel Member, USDA-CRGO Photosynthesis Panel, Washington, (1983-84); Editorial Committee, Photosynthesis Research (1984-87); Editorial Committee, Plant Physiology (1985-91); American Society of Plant Physiologists, Futures Committee (1985-86); Panel Member, NSF

Postdoctoral fellowships in Plant Biology (1985); Panel Member, NSF Eukaryotic Genetics Panel (1985-88); Panel Member, NIH Molecular Biology Panel (1989); Editorial Committee, Archives Biochem. Biophys. (1986-03); Panel Member, NSF Presidential Investigator Panel (1986); Editorial Committee, Development (1986-93); Editorial Committee, Developmental Genetics (1989-91); American Society Plant Physiologists Publication Committee (1989-91); Member, Arabidopsis Genome Project Steering Committee (1989-94); Panel Member, USDA Genome Project Steering Committee (1989-93); Program Manager, USDA-CRGO Genetics Panel (1990-91); Editor, The Plant Journal, (1990-1994); Member, Plant Advisory Group, Cold Spring Harbor Laboratory (1990); Member, ASPP Executive Committee (1990-91); Member, NSF Biology Directors Advisory Committee (1992-1994); Member, AFRC IPSR Visiting Group (1993); Advisory Board, Noble Foundation (1993-97); Advisory Board, TIGR (1992-); Advisory Board, Molecular Genetics, Massachusetts General Hospital (1989-92); Member of Board, International Society for Plant Molecular Biology (1993-97); Associate Editor, Annual Review Plant Physiol. Plant Mol. Biol. (1993-97); Member, NRC Board on Agriculture (1994-96); Visiting committee, RSBS Australian National University (1995); Visiting committee, Swedish Foundation for Strategic Research (1995); Associate Editor, The Plant Cell (1995-2000); Editorial Board, Current Biology (1996-); Board of Reviewing Editors, Science (1996-); Editor, Current Opinion in Plant Science (1997-); Presidents Advisory Panel on Plant Biodiversity (1997-98); Editorial Board, Proc,. Natl. Acad. Sci, (1997-2000); Visiting committee ETH and University of Zurich (1997); Visiting Committee, Cornell Plant Biology (1998); Visiting Committee, Berkeley Plant Biology (1999); Scientific Advisory Board, The Wellcome Trust (1999-2001); Advisory Board, Danforth Center (1999-2001); Max-Planck-Institut für Moleculare Pflanzenphysiologie Fachbeirat (2000-); US-EU Consultative Forum on Biotechnology (2000). Alberta Heritage Foundation (2000-); Senior Editorial Committee, Science (2001-); John Innes Visiting Committee (2001); Cornell Biology Visiting Committee (2001-); University of Wisconsin Structural Biology Center Advisory Committee (2001-); NRC Committee on Plant Genome Initiative (2002); Department of Plant Systems Biology VIB/Ghent University advisory committee (2002-); Design Committee, Koshland Museum (2002-3)

PUBLICATIONS

Books

Biochemistry and Molecular Biology of Membrane and Storage Lipids of Plants. N. Murata and C.R. Somerville, eds, American Soc. Plant Physiol., Rockville MD (1993)

Arabidopsis. E. Meyerowitz and C.R. Somerville, eds, Cold Spring Harbor Laboratory Press (1994)

The Arabidopsis Book, E. Meyerowitz and C.R. Somerville, eds, American Society of Plant Biologists, 2002, DOI 10.1199/tab.9999 http://www.aspb.org/publications/arabidopsis/

Papers

Morgan, K., C.R. Somerville. Maximum entropy spectral analysis of monte carlo simulations of a closed finite human population. Can. Studies Populat. 3,1-17 (1976).

Somerville, C.R., A. Ahmed. *rel*-dependent methionine requirement in methionyl-tRNA synthetase mutants of *E. coli*. J. Mol. Biol. 111,77-81 (1977).

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Somerville, C.R., S.C. Somerville, W.L. Ogren. Genetic analysis of photorespiration. In: Proceedings of the Fifth International Congress on Photosynthesis (G. Akoyunoglou, ed.), Vol. VI, pp. 145-152 (1982).

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Lin, T. P., T. Caspar, C. R. Somerville, J. Preiss. Isolation and characterization of a starchless mutant of *Arabidopsis thaliana* lacking ADP glucose pyrophosphorylase activity. Plant Physiol. 86,1131-1135 (1988).

Artus, N. N., C. R. Somerville. A mutant of *Arabidopsis* that exhibits chlorosis in air but not in atmospheres enriched in CO_2. Plant Physiol. 87,83-89 (1988).

Zhang, H., C. R. Somerville. The primary structure of chicken liver cytochrome b_5 deduced from the DNA sequence of a cDNA clone. Arch. Biochem. Biophys. 264,343-348 (1988).

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Martinez-Zapater, J.M., R. Finkelstein, C.R. Somerville. *Drosophila* P-element transcripts are incorrectly processed in tobacco. Plant Mol. Biol. 11,601-607 (1988).

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Kunst, L., J. Browse, C.R. Somerville. Enhanced thermal tolerance in a mutant of *Arabidopsis* deficient in palmitic acid unsaturation. Plant Physiol. 91,401-408 (1989).

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