

George H. Poste

CURRICULUM VITAE

Present Appointment:

George Poste, D.V.M., Ph.D, F.R.C. Path., F. Med Sci., CBE, F.R.S.
Director and Chief Scientist, Complex Adaptive Systems Initiative
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Education, Qualifications and Honors:

1966	D.V.M.	University of Bristol, England (Veterinary Medicine) (Graduated first in class)
1966	M.R.C.V.S.	Member, Royal College of Veterinary Surgeons, London, England
1969	Ph.D.	University of Bristol, England (Virology)
1979	M.R.C. Path.	Membership, Royal College of Pathologists, London, England (Board Certification in Pathology)
1987	D.Sc.	University of Bristol, England. Distinguished Contributions to Research
1987	F.R.C.V.S.	Elected Fellow, Royal College of Veterinary Surgeons, London, England
1989	F.R.C. Path.	Elected Fellow, Royal College of Pathologists, London, England
1993	F.R.C.P. (Hon.)	Elected Fellow, Faculty of Pharmaceutical Medicine, Royal College of Physicians, London, England
1994	F.R.S.A.	Elected Fellow, Royal Society of Arts, Manufactures and Commerce, London, England
1995	LL.D. (Hon.)	University of Bristol, England
1997	F.R.S.	Elected Fellow, The Royal Society, London, England
1998	F.Med.Sci.	Elected Fellow, The Academy of Medical Sciences, London, England
1998	LL.D. (Hon.)	University of Dundee, Scotland
1999	C.B.E.	Commander of the Order of the British Empire, Honours List, H.M. Queen
1999	Honorary Fellow	University College London
2000	Member	Elected Member, Worshipful Company of Apothecaries, London
2004	Member	Council for Foreign Relations
2004	Award	Recipient of <i>Scientist of the Year</i> Award, R&D Magazine
2006	Award	Regents Professor, Arizona State University
2006	Award	Einstein Award, Global Business Leadership Forum
2009	Award	Scrip Lifetime Achievement Award from Pharmaceutical Industry Leadership Forum
2016	Award	2016 Arizona Bioindustry Association Pioneer Award for Lifetime Achievement
2019	Award	Member, EU Academy of Sciences
2021	Member	Elected Fellow, American Institute for Medical and Biological Engineering (AIMBE)
2021	Honorary	Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory

Previous Appointments:

2003 – 2009	Director, The Biodesign Institute, Arizona State University
2000 – 2003	Office of Secretary of Defense, Defense Science Board, Bioterrorism Task Force
2000 – 2003	Miscellaneous Board Responsibilities (see below)
1997 – 2000	Chief Science and Technology Officer, SmithKline Beecham, Philadelphia
1991 – 1997	President, Research and Development, SmithKline Beecham Pharmaceuticals, Philadelphia, PA
1989 – 1991	Executive Vice President, Research and Development, SmithKline Beecham Pharmaceuticals, Philadelphia, Pennsylvania
1988 – 1989	President, Research and Development, SmithKline & French Laboratories, Philadelphia, Pennsylvania
1987 – 1988	Vice President, Worldwide Research and Preclinical Development, SmithKline & French Laboratories, Philadelphia, Pennsylvania
1983 – 1986	Vice President, Research and Development, SmithKline & French Laboratories, Philadelphia, Pennsylvania
1980 – 1983	Vice President and Director of Research, SmithKline & French Laboratories, Philadelphia, Pennsylvania
1975 – 1980	Principal Cancer Research Scientist, Department of Experimental Pathology, Roswell Park Memorial Institute, Buffalo, New York and Professor, Department of Cell and Molecular Biology, State University of New York at Buffalo
1974	Senior Lecturer, Department of Virology, Royal Postgraduate Medical School, University of London, England
1972 – 1974	Associate Professor of Experimental Pathology, Roswell Park Memorial Institute, Buffalo, New York (On official leave of absence from the University of London)
1970 – 1972	Lecturer in Virology, Royal Postgraduate Medical School, London, England
1969 – 1970	Research Fellow, Department of Virology, Royal Postgraduate Medical School, University of London, England
1966 – 1969	Research Fellow and Assistant Lecturer, Department of Bacteriology, University of Bristol, England

Board Memberships:

1992 – 1999	Board Member, SmithKline Beecham (now GlaxoSmithKline)
2000 – 2003	Board Member, Illumina
2000 – 2003	Board Member, Maxygen
1997 – 2003	Chairman, diaDexus (acquired by VaxGen)
2000 – 2003	Chairman, Structural GenomiX (acquired by Eli Lilly)
2002 – 2005	Board Member, AdvancePCS (acquired by CVS-Caremark)
2002 – 2009	Chairman, Orchid Biosciences (acquired by LabCorp.)
2003 – 2018	Board Member, Monsanto (acquired by Bayer)
2004 – present	Board Member, Exelixis
2005 – present	Non-executive Vice Chairman, Caris Life Sciences
2008 – present	Haplogen Scientific Advisory Board
2009 – present	Scientific Advisory Board, Synthetic Genomics Inc.
2013 – present	Member, Governing Board, The Bulletin of The Atomic Scientists
2015 – present	Chair, Scientific Advisory Board, A. Alfred Taubman Institute, University of Michigan

Board Memberships Continued:

2016 – present	Member, MIDAS External Advisory Board, University of Michigan
2017 – present	Member, VirBiotech Scientific Advisory Board

Professional and Civic Duties:

1980 – 1983	Member, Pathology B Study Section, National Institute of Health
1980 – 1983	Member, Scientific Advisory Panel, Biological Response Modifiers Program, National Cancer Institute
1983 – 1986	Member, Committee du Direction, Centre Nationale de Recherche Scientifique, (CNRS), Republic of France
1984 – 1986	Member, Board of Governors, National Association for Biomedical Research
1985 – 1989	Trustee, Gordon Research Conferences
1985 – 1990	Member, UCLA Conferences Symposium Board
1986 – 1995	Member, Board of Directors, The Royal Society of Medicine Foundation
1987 – 1989	Chairman, Research and Development Section, Pharmaceutical Manufacturers Association
1987 – 1992	Member, Board of Overseers of the School of Veterinary Medicine, University of Pennsylvania
1987 – 1993	Trustee, Philadelphia College of Pharmacy and Science
1988 – 1992	Member, Executive Council, International Society for Differentiation
1987 – 1993	Trustee, Philadelphia College of Pharmacy and Science
1988 – 1992	Member, Executive Council, International Society for Differentiation
1988 – 1992	Member, Scientific Advisory Board, Institute for Scientific Information, Philadelphia
1988 – 1992	Member, President's Council, M.D. Anderson Cancer Center, University of Texas
1989 – 1991	Member, Scientific Committee, Association of the British Pharmaceutical Industry (ABPI)
1992 – 1996	Trustee, The Keystone Center, Keystone, Colorado
1993 – 1997	Member, Board of Directors, Alliance for Aging Research
1993 – 1997	Member, Governor's Task Force on Economic Development, Commonwealth of Pennsylvania
1994 – 1997	Member, Research-Intensive Industries Task Force, Institute for the Future, Menlo Park, CA
1993 - 2003	Member, Governing Board, Beckman Center for Molecular and Genetic Medicine, Stanford University
1998 – 1999	Member, Advisory Committee on Global R&D, Council on Competitiveness, Washington, DC
1998 – 1999	Member, Standing Group on Health Technology, National Health Service (UK)
1998 – 1999	Member, National Health Service Executive Standing Group on Technology Assessment (UK)
1998 – 1999	Member, Ministerial Competitiveness Working Party on Innovation, Department of Trade and Industry (UK)
1997 – 1999	Member, Human Genetics Advisory Commission (UK)
1998 – 2000	Member, BP Technology Advisory Council
1998 – 2000	Member, Board of Medical Governors, World Economic Forum, Davos
1998 – 2001	Member, Rand Critical Technologies Task Force on the Hybrid Carbon Silicon Brain
1993 – 2003	Member, Governing Board, Beckman Center for Molecular and Genetic Medicine, Stanford University
2000 – 2009	Member, Defense Science Board, United States Department of Defense
2001 – 2005	Member, Threat Reduction Advisory Committee, United States Department of Defense
2008 – 2020	Member, National Academy of Medicine, Forum on Microbial Threats

Current	Member, Expert Advisory Group. Analysis of the Influenza Vaccine Enterprise and Recommendations for the Future. The University of Minnesota, the Center for Infectious Disease Research and Policy (CIDRAP).
2021-Present	Member, Executive Committee, American Association for Cancer Research. Cancer Evolution Working Group

Professional and Civic Duties Continued:

Current	Chair, Scientific Advisory Board, A. Alfred Taubman Medical Research Institute, University of Michigan (AATMRI)
Current	Member, Wellcome Trust Ebola Vaccine Task Force
Current	Member, Department of Defense Blue Ribbon Panel for Review of the Veterans Administration Healthcare System
Current	Advisor, BiologyNext Initiative, In-Q-Tel, Inc.
Current	Member, Committee on a National Strategy for Cancer Control in the United States The National Academies of Sciences, Engineering, and Medicine (NASEM)
Current	Member, One Health Action Collaborative (OHAC) of the National Academies' Forum on Microbial Threats
Current	Member, National Biomarker Development Alliance (NBDA)
Current	Member, One Health Action Collaborative (OHAC) of the National Academies' Forum on Microbial Threats
Current	Bipartisan Blue Ribbon Panel on Biodefense, Washington, D.C.
Current	Member, US Global Leadership Coalition, Arizona Advisory Committee

Editorial Responsibilities for Professional Publications:

1985 – 1996	Founder and Member, Editorial Board, Cancer and Metastasis Reviews
1987 – 1995	Member, Editorial Board, Cancer Invasion and Metastasis
1987 – 1999	Member, Editorial Board, Drug Targeting and Delivery
1988 – 1995	Member, Editorial Board, Clinical and Experimental Metastasis
1989 – 1999	Member, Editorial Board, International Journal of Pharmaceutics
1990 – 1998	Member, Editorial Board, Journal of Drug Targeting
1992 – 1999	Member, Editorial Board, Advanced Drug Delivery Reviews
Current	Member, Editorial Board, Nature Bio/Technology
Current	Member, Editorial Board, Current Opinion in Biotechnology
Current	Member, Editorial Board, Expert Opinion on Investigational Drugs
Current	Member, Senior Advisory Panel, Current Drugs
Current	Member, Editorial Board, Pharmacogenomics
Current	Member, Editorial Board, Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science
Current	Member, Editorial Board, Expert Opinion on Molecular Diagnostics
Current	Member, Editorial Board, BioTechniques
Current	Member, Editorial Board, Health Security, Mary Ann Liebert, Inc.

Club Memberships:

Current	Athenaeum, London
Current	Paradise Valley Country Club, Arizona

Published Works:

1. Poste, G. (1970) Increased growth of viruses in lymphocytes treated with heterologous antilymphocyte serum. *Transplantation* 10, 106-115.
2. Poste, G. (1970) Virus-induced polykaryocytosis and the mechanism of cell fusion. In: *Advances in Virus Research* (eds. F.B. Bang and K. Smith) Vol. 16, pp. 303-356, Academic Press, New York.
3. Poste, G. (1970) Cell surface changes in virus-induced cell fusion. 1. The importance of microvilli. *Microbios* 2, 227-239.
4. Poste, G. (1970) The measurement of cell surface glycoprotein coat materials by ellipsometry. 1. The techniques. *Cytobios* 2, 233-241.
5. Poste, G. and Greenham, L. W. (1970) The measurement of cell surface glycoprotein coat materials by ellipsometry. 2. Variation in coat thickness with cell type, tissue organization and culture conditions. *Cytobios* 2, 243-256.
6. Poste, G. (1970) Mixed-culture polykaryocytosis: A new form of cellular recognition behaviour. *Life Sciences* 9, 459-463.
7. Greenham, L. W. and Poste, G. (1971) The role of lysosomes in virus-induced cell fusion. 1. Cytochemical studies. *Microbios* 3, 97-104.
8. Poste, G. (1971) The role of lysosomes in virus-induced cell fusion. 2. Modification of the cell surface. *Microbios* 3, 105-112.
9. Poste, G. (1971) Cell surface changes in virus-induced cell fusion. 2. Changes in cell coat thickness. *Microbios* 3, 55-61.
10. Poste, G. and Reeve, P. (1971) Formation of hybrid cells and heterokaryons by fusion of enucleated and nucleated cells. *Nature New Biology* 229, 123-125.
11. Poste, G. and Greenham, L. W. (1971) The measurement of cell surface glycoprotein coat materials by ellipsometry. 3. Synthesis of coat materials. *Cytobios* 3, 5-15.
12. Poste, G. (1971) Tissue dissociation with proteolytic enzymes: Adsorption and activity of enzymes at the cell surface. *Exp. Cell Res.* 65, 359-367.
13. Poste, G. (1971) Sub-lethal autolysis: Modification of the cell periphery by lysosomal enzymes. *Exp. Cell Res.* 67, 11-16.
14. Reeve, P. and Poste, G. (1971) Cell fusion by Newcastle disease virus in the absence of RNA synthesis. *Nature New Biology* 229, 1957-1958.
15. Poste, G. and Allison, A.C. (1971) The membrane fusion reaction: A theory. *J. Theor. Biol.* 32, 165-184.
16. Reeve, P. and Poste, G. (1971) Studies on the cytopathogenicity of Newcastle disease virus. I. Relation between virulence, polykaryocytosis and plaque size. *J. Gen. Virol.* 11, 17-24.
17. Reeve, P., Alexander, D.J., Pope, G. and Poste, G. (1971) Studies on the cytopathic effects of Newcastle disease virus. *J. Gen. Virol.* 11, 25-34.
18. Poste, G. and King, N. (1971) Isolation of a herpesvirus from the canine genital tract: Association with infertility, abortion and stillbirths. *Veterinary Record* 88, 229-233.
19. Poste, G. (1971) The growth and cytopathogenicity of virulent and attenuated strains of canine distemper virus in dog and ferret macrophages. *J. Comp. Path.* 81, 49-54.

20. Poste, G. and Reese, P. (1972) Inhibition of virus-induced cell fusion by local anaesthetics and phenothiazine tranquilizers. J. Gen. Virol. 16, 21-28. 21.
21. Poste, G. and Reeve, P. (1972) Inhibition of cell fusion by local anesthetics and tranquilizers. Exp. Cell Res. 72, 556-560.
22. Mallucci, L., Poste, G. and Wells, V. (1972) Synthesis of cell coat in normal and transformed cells. Nature New Biology 235, 222-223.
23. Poste, G. and Reeve, P. (1972) Agglutination of normal cells by plant lectins following infection with nononcogenic viruses. Nature New Biology 237, 113-114.
24. Poste, G. (1972) Enucleation of mammalian cells by cytochalasin B. I. Characterization of anucleate cells. Exp. Cell Res. 73, 273-286.
25. Apostolov, K. and Poste, G. (1972) Interaction of Sendai virus with human erythrocytes: A system for the study of membrane fusion. Microbios 6, 247-261.
26. Reeve, P., Poste, G., Alexander, D.J. and Pope, G. (1972) Studies on the cytopathic effects of Newcastle disease virus: Cell surface changes. J. Gen. Virol. 15, 219-225.
27. Poste, G. (1972) Mechanisms of virus-induced cell fusion. In: International Review of Cytology (eds. J.F. Danielli and K. Jeon) Vol. 33, pp. 157-252. Academic Press, New York.
28. Poste, G. and Moss, C. (1972) The study of surface reactions in biological systems by ellipsometry. In: Progress in Surface Science (ed. S.G. Davison) Vol. 2, pp. 139-232. Pergamon Press, Oxford.
29. Poste, G. and Reeve, P. (1972) Enucleation of mammalian cells by cytochalasin B. II. Formation of hybrid cells and heterokaryons by fusion of anucleate and nucleated cells. Exp. Cell Res. 73, 287-294.
30. Poste, G. (1972) Changes in susceptibility of normal cells to agglutination by plant lectins following modification of cell coat material. Exp. Cell Res. 73, 319-328.
31. Poste, G., Waterson, A.P., Terry, G. and Alexander, D. J. and Reeve, P. (1972) Cell fusion by Newcastle disease virus. J. Gen. Virol. 16, 95-97.
32. Poste, G., Reeve, P., Alexander, D.J. and Terry, G. (1972) Studies on the cytopathogenicity of Newcastle disease virus: Effect of lectins on virus infected cells. J. Gen. Virol. 17, 81-89.
33. Poste, G., Reeve, P., Alexander, D.J. and Terry, G. (1972) Effect of plasma membrane lipid composition on cellular susceptibility to virus-induced cell fusion. J. Gen. Virol. 17, 133-136.
34. Poste, G. (1972) Characterization of a new canine herpes virus. Arch. Ges. Virusforsch 36, 147-157.
35. Poste, G., Lecatsas, G. and Apostolov, K. (1972) Electron microscope study of the morphogenesis of a new canine herpesvirus in dog kidney cell. Arch. Ges. Virusforsch 39, 317-329.
36. Poste, G., Hawkins, D.F. and Thomlinson, J. (1972) Herpesvirus hominis infection of the female genital tract. Obstetrics and Gynecology 40, 871-890.
37. Poste, G. (1972) Electron microscope study of nuclear and nucleolar changes in cells infected with canine distemper virus. Arch. Ges. Virusforsch 37, 183-190.
38. Alexander, D.J., Reeve, P. and Poste, G. (1973) Studies on the cytopathic effects of Newcastle disease virus: RNA synthesis in infected cells. J. Gen. Virol. 18, 369-373.
39. Lecatsas, G. and Poste, G. (1973) Mechanism of envelopment of herpesvirus by the nuclear envelope. Onderstepoort J. Vet. Res. 40, 71-72.
40. Poste, G. (1973) The synthesis of surface coat materials in normal and transformed cells. Exp. Cell Res. 77, 264-270.
41. Poste, G., Greenham, L.W., Mallucci, L., Reeve, P. and Alexander, D.J. (1973) The study of cellular "microexudates" by ellipsometry and their relationship to the cell coat. Exp. Cell Res. 78, 303-313.
42. Papahadjopoulos, D., Poste, G. and Schaeffer, B. (1973) Fusion of mammalian cells by unilamellar lipid vesicles: Influence of lipid surface charge, fluidity and cholesterol. Biochim. Biophys. Acta 323, 23-42.
43. Alexander, D.J., Hewlett, G., Reeve, P. and Poste, G. (1973) Studies on the cytopathic effects of Newcastle disease virus: The cytopathogenicity of strain Herts 33 in five cell types. J. Gen. Virol. 21, 323-337.

44. Poste, G. (1973) Anucleate mammalian cells: Applications in cell biology and virology. In: Methods in Cell Biology (ed. D.M. Prescott) Vol. 7, pp. 211-249. Academic Press, New York.
45. Poste, G. and Allison, A.C. (1973) Membrane fusion. Biochim. Biophys. Acta 300, 421-465.
46. Poste, G., Schaeffer, B., Reeve, P. and Alexander, D.J. (1974) Rescue of Simian virus 40 (SV40) from SV40-transformed cells by fusion with anucleate monkey cells and variation in the yield of virus rescued by fusion with replicating or nonreplicating monkey cells. Virology 50, 85-95.
47. Poste, G. and Reeve, P. (1974) Increased mobility and redistribution of concanavalin A receptors on cells infected with Newcastle disease virus. Nature 247, 469-471.
48. Papahadjopoulos, D., Poste, G., Schaeffer, B.E. and Vail, W.J. (1974) Membrane fusion and molecular segregation in phospholipid vesicles. Biochim. Biophys. Acta 352, 10-28.
49. Poste, G., Alexander, D.J., Reeve, P. and Hewlett, G. (1974) Modification of Newcastle disease virus release and cytopathogenicity in cells treated with plant lectins. J. Gen. Virol. 23, 255-270.
50. Papahadjopoulos, D., Poste, G. and Mayhew, E. (1974) Cellular uptake of cyclic AMP captured within phospholipid vesicles and effect on cell growth behaviour. Biochim. Biophys. Acta 363, 404-418.
51. Reeve, P., Hewlett, G., Watkins, H., Alexander, D.J. and Poste, G. (1974) Virus-induced cell fusion enhanced by phytohaemagglutinin. Nature 249, 355-356.
52. Papahadjopoulos, D., Mayhew, E., Poste, G., Smith, S. and Vail, W.J. (1974) Incorporation of lipid vesicles by mammalian cells provides a potential method for modifying cell behavior. Nature 252, 163-166.
53. Mayhew, E., Poste, G., Cowden, M., Tolson, N. and Maslow, D. (1974) Cellular binding of ³H-cytochalasin B. J. Cell Physiol. 84, 373-382.
54. Papahadjopoulos, D., Poste, G. and Mayhew, E. (1975) Interaction between cells, liposomes and micelles. Biochemical Society Transactions 3, 606-608.
55. Weiss, L., Poste, G., MacKearnin, A. and Willett, K. (1975) Growth of mammalian cells on substrates coated with cellular microexudates. I. Effect on cell growth at low population densities. J. Cell Biol. 64, 135-145.
56. Poste, G. (1975) Production of macrophage migration inhibitory factor(s) (MIF) by virus-transformed cells. Exp. Cell Res. 92, 283-290.
57. Poste, G. (1975) Production of a serine-protease with macrophage migration inhibitory factor activity by virus-transformed cells and human tumor cell lines. Cancer Research 35, 2558-2566.
58. Poste, G., Papahadjopoulos, D., Jacobson, K. and Vail, W.J. (1975) Local anaesthetics increase susceptibility of untransformed cells to agglutination by concanavalin A. Nature 253, 552-554.
59. Papahadjopoulos, D., Vail, W.J., Jacobson, K. and Poste, G. (1975) Cochleate lipid cylinders: Formation by fusion of unilamellar lipid vesicles. Biochim. Biophys. Acta 394, 483-491.
60. Papahadjopoulos, D., Jacobson, K., Poste, G. and Shepard, G. (1975) Effects of local anesthetics on membrane properties. I. Changes in the fluidity of phospholipid bilayers. Biochim. Biophys. Acta 394, 504-519.
61. Poste, G., Papahadjopoulos, D., Jacobson, K. and Vail, W.J. (1975) Effects of local anesthetics on membrane properties. II. Enhancement of the susceptibility of mammalian cells to agglutination by plant lectins. Biochim. Biophys. Acta 394, 520-539.
62. Papahadjopoulos, D. and Poste, G. (1975) Calcium-induced phase separation and fusion in phospholipid membranes. Biophys. J. 15, 945-948.
63. Poste, G., Papahadjopoulos, D. and Nicolson, G.L. (1975) Local anesthetics affect transmembrane cytoskeletal control of mobility and distribution of cell surface receptors. Proc. Nat. Acad. Sci. USA 72, 4430-4434.

64. Weiss, L., Subjeck, J.R. and Poste, G. (1975) Some electrical properties of the peripheries of murine 3T3 cells with respect to viral transformation and reversion. Int. J. Cancer 16, 914-921.
65. Poste, G. (1975) Interaction of concanavalin A with the surface of virus-infected cells. In: Concanavalin A. (eds. T.K. Chowdhury and A.K. Weiss) pp. 117-152. Plenum Press, New York.
66. Poste, G. and Waterson, A.P. (1975) Herpesvirus infection and cervical cancer. In: Gynaecological Malignancy. (eds. M.G. Brush and R.W. Taylor) pp. 87-108. Balliere Tindall, London.
67. Poste, G. and Waterson, A.P. (1975) Cell fusion by Newcastle disease virus. In: Negative Strand Viruses. (eds. B.W.J. Mahy and R.D. Barry) Vol. 2, pp. 905-922. Academic Press, London.
68. Nicolson, G. L., Smith, J. R. and Poste, G. (1976) Effects of local anesthetics on cell morphology and membrane-associated cytoskeletal organization in BALB/3T3 cells. J. Cell Biol. 68, 395-402.
69. Poste, G. and Nicolson, G. L. (1976) Calcium ionophores A23187 and X537A affect cell agglutination by lectins and capping of lymphocyte surface immunoglobulins. Biochim. Biophys. Acta 426, 148-155.
70. Jacobson, K., Wu, J. and Poste, G. (1976) Measurement of the translational mobility of concanavalin A in glycerol-saline solutions and on the cell surface by fluorescence recovery after photobleaching. Biochim. Biophys. Acta 433, 215-222.
71. Poste, G. and Papahadjopoulos, D. (1976) Lipid vesicles as carriers for introducing materials into cultured cells: Influence of vesicle lipid composition on mechanism(s) of vesicle incorporation into cells. Proc. Nat. Acad. Sci. USA 73, 1603-1607.
72. Poste, G. and Papahadjopoulos, D. (1976) Drug-containing lipid vesicles render drug-resistant tumour cells sensitive to actinomycin D. Nature 261, 699-701.
73. Jacobson, K., Derzko, Z., Wu, E.-S., Hou, Y. and Poste, G. (1976) Measurement of the lateral mobility of cell surface components in single, living cells by fluorescence recovery after photobleaching. J. Supramolec. Structure 5, 565-576.
74. Papahadjopoulos, D., Hui, S., Vail, W.J. and Poste, G. (1976) Studies on membrane fusion. I. Interactions of pure phospholipid membranes and the effect of myristic acid, lysolecithin, proteins and dimethylsulfoxide. Biochim. Biophys. Acta 448, 245-264.
75. Papahadjopoulos, D., Vail, W.J., Pangborn, W.A. and Poste, G. (1976) Studies on membrane fusion. II. Induction of fusion in pure phospholipid membranes by calcium ions and other divalent metals. Biochim. Biophys. Acta 448, 265-283.
76. Papahadjopoulos, D., Poste, G., Vail, W.J. and Biedler, J.L. (1976) Use of lipid vesicles as carriers to introduce actinomycin D into resistant tumor cells. Cancer Research 36, 2988-2994.
77. Weiss, L. and Poste, G. (1976) The tumor cell periphery. In: Scientific Foundations of Oncology. (eds. T. Symington and R.L. Carter) pp. 25-35. Heinemann, London.
78. Poste, G. and Weiss, L. (1976) Some considerations on cell surface alterations in malignancy. In: Fundamental Aspects of Metastasis. (ed. L. Weiss) pp. 25-47. Elsevier/North-Holland, Amsterdam.
79. Nicolson, G. L. and Poste, G. (1976) Medical Progress. The cancer cell: Dynamic aspects and modifications in cell-surface organization. (First of Two Parts) New England J. Med. 295, 197-203.
80. Nicolson, G. L. and Poste, G. (1976) Medical Progress. The cancer cell: Dynamic aspects and modifications in cell-surface organization. (Second of Two Parts) New England J. Med. 295, 253-258.
81. Poste, G., Alexander, D. and Reeve, P. (1976) Enhancement of virus-induced cell fusion by phytohemagglutinin. In: Methods in Cell Biology. (ed. D.M. Prescott) Vol. 14, pp. 1-10. Academic Press, New York.
82. Poste, G. and Papahadjopoulos, D. (1976) Fusion of mammalian cells by lipid vesicles. In: Methods in Cell Biology. (ed. D.M. Prescott) Vol. 14, pp. 23-32. Academic Press, New York.

83. Poste, G., Papahadjopoulos, D. and Vail, W.J. (1976) Lipid vesicles as carriers for introducing biologically active materials into cells. In: Methods in Cell Biology. (ed. D.M. Prescott) Vol. 14, pp. 33-71. Academic Press, New York.
84. Poste, G. (1976) Changes in cell surface membranes associated with malignant transformation. In: Biological Handbooks: Cell Biology. (eds. P.L. Altman and D.D. Katz) Vol. 1, pp. 134-138. Federation of American Societies for Experimental Biology, Bethesda, Maryland.
85. Poste, G. and Nicolson, G.L. (1976) Editors. Cell Surface Reviews, Volume 1. The Cell Surface in Animal Embryogenesis and Development. Elsevier/North-Holland, Amsterdam. 766 pages.
86. Nicolson, G. L. and Poste, G. (1976) Cell shape changes and transmembrane receptor uncoupling induced by tertiary amine local anesthetics. J. Supramolecular Structure 5, 65-72.
87. Papahadjopoulos, D., Vail, W.J., Newton, C., Nir, S., Jacobson, K., Poste, G. and Lazo, R. (1977) Studies on membrane fusion. III. The role of calcium-induced phase changes. Biochim. Biophys. Acta 465, 579-598.
88. Poste, G. (1977) The cell surface and metastasis. In: Cancer Invasion and Metastasis: Biologic Mechanisms and Therapy. (ed. S.B. Day) pp. 19-47. Raven Press, New York.
89. Nicolson, G.L., Giotta, G., Lotan, R., Neri, A. and Poste, G. (1977) Modifications in transformed and malignant tumor cells. In: International Cell Biology. (eds. B.R. Brinkley and K.R. Porter) pp. 138-148. Rockefeller University Press, New York.
90. Nicolson, G.L., Poste, G. and Ji, J.H. (1977) The dynamics of cell membrane organization. In: Dynamic Aspects of Cell Surface Organization. (eds. G. Poste and G.L. Nicolson) Cell Surface Reviews, Vol. 3, pp. 1-73. Elsevier/North-Holland, Amsterdam.
91. Poste, G. and Nicolson, G.L. (1977) Editors. Cell Surface Reviews, Volume 2. Virus Infection and the Cell Surface. Elsevier/North-Holland, Amsterdam. 350 pages.
92. Poste, G. and Nicolson, G.L. (1977) Editors. Cell Surface Reviews, Volume 3. Dynamic Aspects of Cell Surface Organization. Elsevier/North-Holland, Amsterdam. 750 pages.
93. Poste, G. and Nicolson, G.L. (1977) Editors. Cell Surface Reviews, Volume 4. The Synthesis, Assembly and Turnover of Cell Surface Components. Elsevier/North-Holland, Amsterdam. 883 pages.
94. Fidler, I.J., Roblin, R.O. and Poste, G. (1978) In vitro tumoricidal activity of macrophages against virus-transformed lines with temperature-dependent transformed phenotypic characteristics. Cell. Immunol. 38, 131-146.
95. Poste, G., Porter, C.W. and Papahadjopoulos, D. (1978) Identification of a potential artifact in the use of electron microscope autoradiography to localize saturated phospholipids in cells. Biochim. Biophys. Acta 510, 256-263.
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22. Poste, G. [Biodefense In The Age of Synthetic Biology and Precision Gene Editing](#). Global Security PLS and New Approaches to Grey-Zone Threats. Australia (Sep 11 2018 - Sep 12 2018)
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 70. Poste, G. [Promise, Peril, Productivity and Politics: The Strategic Environment for Healthcare R&D](#). Burrill & Company 2011 Annual Limited Partners and Advisory Board Meeting. Park City, UT (Apr 6 2011)
 71. Poste, G. [Biospecimens: A Critical Resource for Advances in Molecular Diagnostics, Imaging and Therapeutics](#). National Institutes of Health, Bethesda, Maryland (Mar 28 2011)
 72. Poste, G. [The Impact of the Life Sciences on National Security. Presentation at: Preserving National Security - The Growing Role](#)

- [of the Life Sciences](#). UPMC Center for Biosecurity. Washington, D.C. (Mar 3 2011)
73. Poste, G. [The Evolution of Personalized Medicine: Opportunities and Challenges](#). 27th Montreux Symposium on LC/MS. Montreux, Switzerland (Nov 10 2010)
 74. Poste, G. [Genomics, Demographics, Epidemics, Economics and Ethics: The Complex Forces Shaping Healthcare](#). First Constantin Spiegelfeld Lecture. Research Center for Molecular Medicine Austrian Academy of Sciences, Vienna (Nov 8 2010)
 75. Poste, G. [Sustaining Healthcare Innovation in an Era of Constraint](#). The 6th Annual Burrill Personalized Medicine Meeting. Burlingame, California (Sep 27 2010)
 76. World Economic Forum Event on Mobile Health (mHealth). La Jolla, California (Jun 28 2010)
 65. Poste, G. [The Need to Build Holistic, Personalized Healthcare Delivery Systems](#). Poste, G. Vision 2020: The Need to Build Holistic, Personalized Healthcare Delivery Systems. International Health Forum. Munich (May 7 2010)
 66. Poste, G. [The Convergence of Clinical Medicine, Engineering and Computing: New Horizons in Healthcare Delivery](#). The John F. Wilkinson Memorial Lecture. Manchester Medical Society, United Kingdom (May 5 2010)
 67. Poste, G. [Technology Acceleration and Convergence: The Evolution of Novel Platforms for Improved Healthcare Delivery](#). Burrill LP & Advisory Board Meeting. Cavallo Point, California (Apr 20 2010)
 68. Poste, G. [Poste, G. The Rapidly Changing International Landscape for Advanced Research Technologies: Implications for Law Enforcement, National Security and Industrial Espionage](#). Keynote Presentation at The FBI Campus Liaison Initiative Conference. Tempe, Arizona (Mar 17 2010)
 69. Poste, G. [Addressing Technological Challenges and the Development of New Cancer Interventions](#). NCI Conference. Rethinking the Role of Infectious Agents in Cancer. Pentagon City, Virginia (Mar 16 2010)
 70. Poste, G. [Bugs, Bits and Engineering Bioforms: Good and Bad Applications and Actors](#). New America Foundation Symposium: Waring Futures: Transforming Today's Military. The Army and Navy Club, Washington, D.C. (May 24 2010)
 71. Poste, G. [Challenges and Opportunities in Cancer Detection and Diagnosis: The Need for Systems-Based Approaches For Successful Validation of Biomarkers](#). NCI Cancer Early Detection Stakeholders Meeting. Rockville, Maryland (May 21 2010)
 72. Poste, G. [Sustaining Healthcare Innovation in an Era of Constraint](#). Gold Laboratory: Somalogic Symposium. Boulder, Colorado (May 14 2010)
 73. Poste, G. [m.Health: The Emergence of a New Ecosystem for Healthcare Delivery, Global Public Health and National Security](#). Poste, G. [Bugs, Bits and Engineering Bioforms: Good and Bad Applications and Actors](#). New America Foundation Symposium: Waring Futures: Transforming Today's Military. The Army and Navy Club, Washington, D.C. (May 24 2010)
 74. Poste, G. [Challenges and Opportunities in Cancer Detection and Diagnosis: The Need for Systems-Based Approaches For Successful Validation of Biomarkers](#). NCI Cancer Early Detection Stakeholders Meeting. Rockville, Maryland (May 21 2010)
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