

CURRICULUM VITAE

Ronald T. Acton, PhD, HCLD(ABB), D(ABMLI), MB(ASCP)^{CM}

Birth Date: 10/19/41 **Birthplace:** Birmingham, Alabama **Nationality:** USA

Education:

Undergraduate: Birmingham-Southern College, Birmingham, Alabama, A.B., 1965.

Graduate: University of Alabama at Birmingham, Birmingham, Alabama, Ph.D., 1970
Professor E. E. Evans, Ph.D., Mentor.

University of Alabama at Birmingham, Birmingham, Alabama, 1991-1992
Professor Wayne H. Finley, Ph.D., M.D., Program Director of Medical Genetics.

Postdoctoral Training: Research Fellow, Department of Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, Alabama. Professor J. Claude Bennett, M.D., Mentor, 1969-1970.

Microbiology Technologist, Baptist Medical Center, Montclair, Birmingham, Alabama, Claire Elliott, M.D., Supervisor, 1969 – 1970.

Research Fellow, Division of Biology, California Institute of Technology, Pasadena, California. Professor Ray D. Owen, Ph.D., Mentor, 1970-1972.

Special Fellow, MRC Immunochemistry Unit, Department of Biochemistry, University of Oxford, Oxford, England, Professor R.R. Porter, Ph.D., Mentor, 1972-1973.

Certification: Diplomate: American Board of Medical Laboratory Immunology, No. 72, 1985 - 2010. Emeritus Diplomate 2011.

High Complexity Clinical Laboratory Director: American Board of Bioanalysis, No. 6400, 1993.

Certified Laboratory Specialist in Molecular Biology, National Certification Agency for Medical Laboratory Personnel, 1997. Renamed Technologist in Molecular Biology, MB(ASCP)^{CM} by the American Society of Clinical Pathology, August 2010.

Professional Career: Adjunct Professor, Department of Microbiology, University of Alabama at Birmingham, Birmingham, AL, October 1, 2007 – present.

Professor of Genetics, University of Alabama at Birmingham, Birmingham, AL, 2003 - 2007.

Senior Scientist, Clinical Nutrition Research Center, University of Alabama at Birmingham, Alabama, 2000 – 2007.

Co-Director and Co-Founder, Familial Cancer Clinic, University of Alabama Health Systems, Birmingham, AL, 1997 – 2003.

Professor of Medicine, University of Alabama at Birmingham, Birmingham, Alabama, 1982 – 9/30/2007.

Director, Immunogenetics Program, Department of Microbiology and Medicine, University of Alabama at Birmingham, Birmingham, Alabama, 1982 – 9/30/2007.

Director and Founder, Immunogenetics/DNA Diagnostic Laboratory, Department of Medicine, University of Alabama Health Services Foundation, 1982 - 2003

Deputy Director, Diabetes Research and Training Center, University of Alabama at Birmingham, Birmingham, AL 1979-1984

Co-Director, Diabetes Outpatient Clinical Laboratory, Division of Endocrinology and Metabolism, Department of Medicine, University of Alabama at Birmingham, Birmingham, Alabama, 1979-1985

Professor of Microbiology, University of Alabama at Birmingham, Birmingham, Alabama, 1978 – 9/30/2007.

Professor of Epidemiology, School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama, 1978 – 9/30/2007.

Senior Scientist/Associate Member, Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, Alabama, 1978 - Present

Senior Scientist, Multipurpose Arthritis Center, University of Alabama at Birmingham, Birmingham, Alabama, 1978 – 9/30/2007.

Associate Director for Research, Diabetes Research and Training Center, University of Alabama at Birmingham, Birmingham, Alabama, 1977-1979

Senior Scientist, Diabetes Research and Training Center, University of Alabama at Birmingham, Birmingham, Alabama, 1977 – 9/30/2007.

Senior Scientist, Center for Aging, University of Alabama at Birmingham, Birmingham, Alabama, 1984 – 9/30/2007.

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Program Director, Multidisciplinary Training Program in Tumor Biology,
1977 – 1994.

Coordinator, Comprehensive Cancer Center, Tissue Culture Core Facility,
University of Alabama at Birmingham, 1974 – 1981.

Program Director, Pathology of Membranes and Organelles Postdoctoral
Training Program, University of Alabama at Birmingham, 1974 – 1980.

Director, Cell Culture Center, University of Alabama at Birmingham,
1974 – 1979.

Associate Professor of Microbiology, University of Alabama at Birmingham,
1975 – 1978.

Scientist, Comprehensive Cancer Center, University of Alabama at
Birmingham, 1975 – 1978.

Associate Scientist, Comprehensive Cancer Center, University of Alabama at
Birmingham, 1973 – 1975.

Assistant Professor of Microbiology, University of Alabama at Birmingham,
1972 – 1975.

Graduate Trainee, Department of Microbiology, University of Alabama, 1965 -
1969.

Research Assistant, Department of Microbiology, University of Alabama at
Birmingham, 1965.

Awards:

USPHS Graduate Trainee, 1965 – 1969.

First Place, Sigma Xi (Birmingham Chapter) Graduate Student Research
Competition, 1967.

President's Award for Graduate Research of the Southeastern Branch of
the Society of American Microbiology, 1967.

First Place, Graduate Research Achievement, Alabama Academy of Science,
1968.

Finalist, Sigma Xi (Birmingham Chapter) Graduate Student Research
Competition, 1968.

Second Place, Sigma Xi (Birmingham Chapter) Graduate Student Research
Competition, 1969.

Smith Kline and French Research Fellow, 1970 – 1972.

Special Fellow, Leukemia Society of America, 1972 – 1973

Established Investigator, American Heart Association, 1973-1978.

Outstanding Young Men of America, 1974.

Third Place Abstract Winner, Samuel L. Kountz International Symposium on Renal Disease and Transplantation in Blacks, 1993.

Fellow, Association of Medical Laboratory Immunologist, 1999.

Fellow, American Academy of Microbiology, 2000.

Societies:

American Association of Immunologists. Emeritus.

American Society of Biochemistry and Molecular Biology

American Society for Histocompatibility and Immunogenetics

American Society of Human Genetics

American Society for Microbiology

UAB Committees:

Member, Biohazard Committee, UAB, 1973 – 1982.

Member, Committee on Department of Microbiology Organizational Development, 1974 – 1975.

Member, Concepts II Executive Teaching Committee of the School of Medicine, UAB, 1974 - 1975.

Chairman, Cell Culture Congress Organizing Committee, UAB, 1974 – 1975.

Member, Microbiology Graduate Exam Committee, UAB, 1974 – 1975.

Member, Microbiology School of Medicine Teaching Committee, 1975 – 1976.

Member, The Joint Faculty Status Committee, UAB, 1975 – 1977.

Member, Animal Services Petition Committee, Department of Microbiology, 1976.

Member, Microbiology Committee on Patents, UAB, 1976.

Member, Committee on the Local Status of Clinical Immunology, UAB, 1976.

Chairman, Microbiology Committee for Extramural Affairs, UAB, 1976 – 1978.

Member, Aging Training Grant Review Committee, 1977 – 1983.

Member, Executive Committee, Diabetes Research and Training Center, 1977 – 1984.

Member, Scientific Review Committee, Diabetes Research and Training Center, 1978.

Member, Space Committee, Diabetes Research and Training center, 1978 – 1980.

Member, Pediatric Oncology Group, 1980 – 1985.

Member, Research Subcommittee of Self Evaluation Steering Committee for School of Public Health, 1981.

Chairman, Promotion Committee, Department of Microbiology, 1981-1983.

Member, Molecular Cellular Biology Graduate Admissions Committee, 1985 - 1987.

Member, Advisory Council, Center for International Programs UAB, 1987 -1990.

Member, Correlated Basic Medical Science Curriculum Committee of the School of Medicine, UAB, 1993 – 1994.

Member, Cancer Research and Training Center Review Committee, UAB, 1993-1997.

Member, Committee for the Creation of a Doctoral Level Graduate Training Program in Forensic Science, 1995 – 1996.

Member, Molecular and Clinical Genetics Review Committee, 1996 – 1998.

Member, LCME Self-Study Committee, 1997 – 1998.

Member, Microbiology Faculty Promotions Committee, 1996 – 2000.

Member, Microbiology Research Priorities Committee, 1996 – 2000.

Member, Human Genetics Search Committee, 1997-2000.

Member, School of Medicine Basic Science Promotions Committee, 1995 - 2001.

Course Master Sophomore Medical Microbiology, 1995 – 2000.

Member, Integrated Medical Sciences Subcommittee, 1996 – 2001.

Member, Scientific Review Committee, Diabetes Trust Fund, 1998 – 2001.

Member, Committee on Graduate Study in Forensic Science, 1996 – 2004.

Member, Faculty Council, School of Medicine, 1999- 2003.

Member, School of Medicine Medical Student Academic Standing and Promotions Committee, 2002 – 2005.

Member, UASOM Admissions Interview Committee, 2002 – present.

Member, UASOM Admissions Executive Committee, 2005 – present.

Member, UASOM Admissions Selection Committee, 2007 – present.

Member, Microbiology Faculty Promotions Committee, 2004 – 2007.

Member, UASOM Faculty Development Committee, 2006 – 2007.

Other Committees Chairman, Organization Committee, 2nd International Cell Culture Congress, 1981.

Member, Cancer Center Support Grant Review Committee, NIH, 1978 – 1982.

NIH - Ad Hoc Reviewer, 1982 – 2007.

Member, Ad Hoc Cancer Construction Review Committee, NIH, 1984, 1985.

Member, Governor's Committee on Physical Fitness, 1988 – 1991.

Member, American Society for Histocompatibility and Immunogenetics, Quality Assurance/Standards Subcommittee for Molecular Testing, 1988 – 1993.

Board of Directors, Society of Prospective Medicine, 1989 – 1992.

Member, CDC Expert Panel on Hemochromatosis, 2000- 2002.

Consultantships Heriff Company, 1979 - 1981.

Technicon Instruments Corp., 1978 – 1982.

Energy Service Company, 1973 – 1988.

NASA, Separation Processes Branch, George C. Marshall Space Flight Center, 1977 – 1979.

Fermentation Design, Inc., 1974 – 1977.

Monsanto Company, New Enterprise Division, 1976 – 1977.

American Registry of Pathology, Armed Forces DNA Identification Laboratory, 2011.

Consultant/Expert Witness: Use of genetic marker and DNA testing in paternity

Forensic and civil cases. Testified as an expert in Alabama, Arizona, Arkansas, California, Florida, Georgia, Illinois, Kentucky, Louisiana, Maryland, Minnesota, Mississippi, Montana, North Carolina, Oklahoma, Tennessee, Texas Virginia, Washington, and Wisconsin.

Research Funding Research activities over a period of 35 years were funded by the NIH, NSF and various private foundations. The amount of peer reviewed funding exceeded one million dollars for several years during this period.

Editorships: Developmental and Comparative Immunology Journal, 1974 – 1979.

MSS Information Corporation Series on Immunology and Medicine - 40 books edited, 1972 – 1975.

Pediatric Oncology, Vol 1, 1981; Vol. 2, 1982; Vol 3, 1983.

Sport & Medicina, 1985 – 2000.

Scienza Veterinaria, E Biologia Animale, 1986 – 2000.

Other Activities: Private Pilot 1969 – present.

Health Promotion Services, Inc., President 1980 – 1985.

South Arising Consultants – President.

South Arising Vintage Autos – President.

Civil Air Patrol, Captain, 1969 - 1975, Senior Member, 1997 – Present.

Board of Directors, Creative Schools, Inc., 1974.

Vice President, Birmingham Track Club, 1980.

Coach, Birmingham Track Club Master Team, 1980 – 1982.

Officer at Large, Alabama Wheelmen, 1987 - 1988, 1990.

President, Alabama Wheelmen, 1989.

President, Magic City Boppers, 1995 – 1996.

Publications

1. Acton RT, Evans EE. Comparative immunological studies with the oyster, *Crassostrea virginica*. Vitro. 3:139-145, 1968.
2. Evans EE, Legler DW, Painter B, Acton RT, Attleberger M. Complement-dependent systems and the phylogeny of immunity. Vitro. 3:146-153, 1968.
3. Acton RT, Evans EE. Bacteriophage clearance in the oyster, *Crassostrea virginica*. J Bacteriol. 95:1260-1266, 1968.

4. Evans EE, Painter B, Evans ML, Weinheimer P, Acton RT. An induced bactericidin in the spiny lobster, *Panulirus argus*. Proc Soc Exp Biol Med. 128:394-398, 1968.
5. Sigel MM, Acton RT, Evans EE, Russel W, Wells TG, Painter B, Lucas AH. T2 bacteriophage clearance in the lemon shark. Proc Soc Exp Biol. Med. 128:977-979, 1968.
6. Acton RT, Evans EE, Bennett JC. Immunological capabilities of the oyster, *Crassostrea virginica*. Comp Biochem Physiol. 29:149-160, 1969.
7. Weinheimer PF, Acton RT, Evans EE. An attempt to induce a bactericidal response in the oyster. J Bacteriol. 97:462-463, 1969.
8. Weinheimer PF, Evans EE, Stroud RM, Acton RT, Painter B. Comparative Immunology: Natural Hemolytic System of the Spiny Lobster, *Panulirus argus* Proc Soc Exp Biol Med.. 130:322-326, 1969.
9. Evans EE, Weinheimer PF, Painter B, Acton RT, Evans ML. Secondary and tertiary responses of the induced bactericide from the West Indian spiny lobster, *Panulirus argus*. J Bacteriol. 98:943-946, 1969.
10. Weinheimer PF, Acton RT, Evans EE. Specificity of the induced bactericidin of the West Indian spiny lobster, *Panulirus argus*. J Bacteriol. 98:947-948, 1969.
11. Acton RT, Weinheimer PF, Evans EE. A bactericidal system in the lobster *Homarus americanus*. J Invert Pathol. 13:463-464, 1969.
12. Evans EE, Weinheimer PF, Acton RT, Cushing JE. Induced bactericidal response in a sipunculid worm. Nature. 223:695, 1969.
13. Acton RT, Bennett JC, Evans EE, Schrohenloher RE. Physical and chemical characterization of an oyster hemagglutinin. J Biol Chem. 244:4128-4135, 1969.
14. Legler DW, Evans EE, Weinheimer PF, Acton RT, Attleberger MH. Immunoglobulin and complement systems in amphibian serum. Biology of Amphibian Tumors. Springer-Verlag, New York, 169-176, 1969.
15. Acton RT, Weinheimer PF, Hildemann WJ, Evans EE. Induced bactericidal response in the hagfish. J Bacteriol. 99:626-628, 1969.
16. Evans EE, Cushing JE, Sawyer S, Weinheimer PF, Acton RT, McNeely JL. Induced bactericidal response in the California spiny lobster, *Panulirus interruptus*. Proc Soc Exp Biol Med. 132:111-114, 1969.
17. Cooper EL, Acton RT, Weinheimer PF, Evans EE. Lack of a bactericidal response in the earthworm, *Lumbricus terrestris*, after immunization with bacterial antigens. J Invert Path. 14: 402-406, 1969.

18. Acton RT. Immunobiological and Immunochemical studies of the oyster, *Crassostrea virginica*, 1 -134. Ph.D. Dissertation, University of Alabama at Birmingham, Birmingham, Alabama, 1970.
19. Evans EE, Acton RT, Bennett JC, Weinheimer PF. Evolution of the immune response. Protides of the Biological Fluids, Pergamon Press, Oxford, England. Vol 17:29 - 38, 1970.
20. Weinheimer PF, Acton RT, Cushing JE, Evans EE. Reactions of sipunculid coelomic fluid with erythrocytes. Life Sciences 9:145-152, 1970.
21. Acton RT, Weinheimer PF, Wolcott M, Evans EE, Bennett JC. N-terminal sequences of immunoglobulin heavy and light chains from three species of lower vertebrates. Nature. 228: 991-992, 1970.
22. Acton RT, Weinheimer PF, Hall SJ, Neidermeier W, Shelton E, Bennett JC. Tetrameric immune macroglobulins in three orders of bony fishes. Proc Nat Acad Sci. 68:107-111, 1971.
23. Weinheimer PF, Evans EE, Acton RT. Comparative immunology: the hemolytic complement system of the anuran amphibian *Bufo marinus*. Com. Biochem Physiol. 38A:483-488, 1971.
24. Legler DW, Acton RT, Weinheimer PF, Dupree HK. Humoral antibody responses in the gar, *Lepisosteus osseus*. Immunology. 20:1009-1017, 1971.
25. Legler DW, Weinheimer PF, Acton RT, Dupress HK, Russell TR. Humoral immune factors in the paddlefish, *Polyodon spathula*. Comp Biochem Physiol. 38B:523-527, 1971.
26. Acton RT, Weinheimer PF, Dupree HK, Evans EE, Bennett JC. Phylogeny of Immunoglobulins: Characterization of a 14S antibody from the gar, *Lepisosteus osseus*. Biochemistry. 10:2028-2036, 1971.
27. Neidermeier W, Kirkland T, Acton RT, Bennett JC. The carbohydrate composition of immunoglobulins G. Biochemica et Biophysica Acta. 237:442-449, 1971.
28. Acton RT, Weinheimer PF, Hildemann WH, Evans EE. Bactericidal antibody response in the Pacific hagfish, *Eptatretus stoutii*. Infect Immunity. 4:160-166, 1971.
29. Johnston WJ, Jr, Acton RT, Weinheimer PF, Niedermeier, W, Evans EE, Shelton E, Bennett JC. Isolation and physiochemical characterization of an "IgM" - like antibody from the stingray, *Dasyatis americana*. J Immunol. 107:782-793, 1971.
30. Weinheimer PF, Mestecky J, Acton RT. Species distribution of J chain. J Immunol. 107: 1211-1212, 1971.
31. Acton RT, Weinheimer PF, Depree HK, Russell RR, Wolcott M, Evans EE, Bennett JC. Isolation and characterization of the immune macroglobulin from the paddlefish, *Polyodon spathula*. J Biol Chem. 246(22):6760-9, 1971.
32. Acton RT, Evans EE, Weinheimer PF, Shelton E, Niedermeier W, Bennett JC. Phylogeny of immunoglobulins: Purification and physiochemical characterization of the immune macroglobulin from the turtle, *Pseudemus scripta*. Immunochemistry 9:421-433, 1972.

33. Acton RT, Evans EE, Weinheimer PF, Niedermeier W, Bennett JC. Purification and characterization of two classes of immunoglobulins from the marine toad, *Bufo marinus*. *Biochemistry* 11:2751-2759, 1972.
34. Acton RT, Neidermeier W, Weinheimer PF, Clem LW, Leslie GA, Bennett JC. The carbohydrate composition of immunoglobulins from diverse species of vertebrates. *J Immunol.* 109:371-381, 1972.
35. Acton RT. Cell surfaces: Cell interactions. *Comparative Molecular Biology of Extracellular Matrices*. HC Slavov, (ed.) Academic Press, New York 127-134, 1972.
36. Acton RT, Weinheimer PF, Niedermeier W. The carbohydrate composition of invertebrate hemmagglutinin subunits isolated from the lobster, *Panulirus argus* and the oyster, *Crassostrea virginica*. *Com. Biochem Physiol.* 44B:185-189, 1973.
37. Hall SJ III, Evans EE, Dupree HK, Acton RT, Weinheimer PF, Bennett JC. Characterization of teleostean immunoglobulins. The immune macroglobulin from the channel catfish, *Ictalurus punctatus*. *Comp. Biochem. Physiol.* 46B: 187-197, 1973
38. Acton RT, Blankenhorn EP, Douglas TC, Owen RD, Hilgers J, Hoffman HA, Boyse EA. Variation among sublines of inbred AKR mice. *Nature New Biology.* 245:810, 1973.
39. Acton RT, Weinheimer PF. Hemagglutinins: Primitive receptor molecules operative in invertebrates defense mechanisms. *Contemporary Topics in Immunobiology*, Plenum Press, New York. Vol 4:271-282, 1974.
40. Acton RT, Theodor JL. Primitive recognition systems. L Brent, J Hollorow (eds) *Progress in Immunology*. North Holland Publishing Co., Vol 2:287-291, 1974.
41. Acton RT, Morris RJ, Williams AF. Estimation of the amount and tissue distribution of rat Thy-1.1 antigen. *Eur J Immunology* 4:598-602, 1974.
42. Muirhead ML, Acton RT, Williams AF. Preliminary characterization of Thy-1.1 and Ag-B antigens from rat tissues solubilized in detergents. *Biochem J.* 143:51-61, 1974.
43. Zwerner RK, Runyan C, Cox RM, Lynn JD, Acton RT. An evaluation of suspension culture systems for the growth of murine lymphoblastoid lines expressing TL and Thy-1 alloantigens. *Biotec Bioeng.* 17:629-657, 1975.
44. Lynn JD, Acton RT. Design of a large scale mammalian cell suspension culture facility. *Biotec Bioeng.* 17:659-673, 1975.
45. Zwerner RK, Acton RT. Growth properties and alloantigenic expression of murine lymphoblastoid cell lines. *J Exp Med.* 142:378-390, 1975.
46. Neidermeier W, Tomana M, Lynn JD, Acton RT. Production and chemical characterization of cell membrane glycoproteins. *Ala J Medical Sciences.* 14:66-175, 1977.

47. Barstad PA, Henley SL, Cox RM, Lynn JD, Acton RT. Production of milligram quantities of H-2K and Thy-1 alloantigens by large-scale mammalian cell culture. *Proc Soc Exp Biol Med.* 155:296-300, 1977.
48. Acton RT, Lynn JD. Description and operation of a large-scale, mammalian cell, suspension culture facility. *Adv Biochem Eng.* 7:85-110, 1977.
49. Zwerner RK, Barstad PA, Acton RT. Isolation and characterization of murine cell surface components. I. Purification of milligram quantities of Thy-1.1. *J Exp.Med.* 146:986-1000, 1977.
50. Zwerner RK, Acton RT, Seeds NW. The developmental appearance of Thy-1 in mouse reaggregating brain cell cultures. *Develop Biol.* 60:331-335, 1977.
51. Acton RT, Barstad PA, Cox RM, Zwerner RK, Wise KS, Lynn JD. Large scale production of murine lymphoblastoid cell lines expressing differentiation alloantigens. *Cell culture and its application.* (Acton RT and Lynn JD, eds.) 129-160, Academic Press, New York, 1977.
52. Barstad P, Zwerner R, Acton R. Partial purification of H-2K molecules from large-scale cell culture. *Protides of Biological Fluids* (H Peeters, Ed), Vol 25, 637-640, Pergamon Press, Oxford, 1977.
53. Zwerner R, Barstad P, Acton R. Structural and functional aspects of the murine Thy-1.1 differentiation antigen. *Protides of Biological Fluids* (H Peeters, ed) Vol. 25, 661-664, Pergamon Press, Oxford, 1977.
54. Wise K, Acton R. Endogenous virus antigens of murine lymphoblastoid cell lines. *Protides of Biological Fluids.* 707-714, Pergamon Press, Oxford 1977.
55. Acton RT, Addis JBL, Carl GF, McClain LD, Bridgers WF. The association of Thy-1 differentiation alloantigen with synaptic complexes isolated from mouse brain. *Proc Nat Acad Sci.* 75:3283-3287, 1978.
56. Kemp MC, Wise KS, Edlund LE, Acton RT, Compans RW. Origin of the minor glycoproteins of murine leukemia viruses. *J Virol.* 28:84-94, 1978.
57. Wise KS, Cassell GH, Acton RT. Selective association of murine T-lymphoblastoid cell surface alloantigens with *Mycoplasma hyorhinis*. *Proc Nat Acad Sci. USA* 75:4479-4483, 1978.
58. Acton RT, Roseman JM. New vistas in the etiology, genetics, pathogenesis and natural history of juvenile-onset diabetes. *J Med Assoc State AL.* 48:25-39, 1978.
59. Acton RT, Wise KS, Barstad PA. Membrane antigens related to neoplasia and their possible escape significance. *Handbook of Cancer Immunology.* Vol. 2 (H Waters, Ed.), Garland STPM Press, New York, 161-171, 1978.
60. McClain LD, Tomana M, Acton RT. Purification and characterization of mouse brain Thy-1-2 differentiation alloantigens. *Brain Research.* 159:161-171, 1978.

61. Acton RT, Pfeiffer SE. Distribution of Thy-1 differentiation alloantigen in the rat nervous system and a cell line derived from a rat peripheral neurinoma. *Develop Neuroscience* 1: 110-117, 1978.
62. Acton RT, Barstad PA, Zwerner RD. Propagation and scaling up of suspension cultures. *Methods in Enzymology Cell Culture*, (WB Jacoby and IH Pastan, eds.) 58:211-221, Academic Press, New York, 1979.
63. Zwerner RD, Wise KS, Acton RT. Harvesting the products of cell growth. *Methods of Enzymology Cell Culture* (WB Jakoby IH Pastan, Eds) 58:221-229, Academic Press, New York, 1979.
64. Wise KS, Henley SL, Acton RT. Altered expression of T-lymphoid cell surface antigens associated with viral infection. *ICN UCLA Symposia on Molecular and Cellular Biology, T and B Lymphocytes: Recognition and Function*. (F Bach, B Bonavida, E Vitetta, CF Fox, eds.), Vol. XVI, 495-504, Academic Press, New York, 1979.
65. Wise KS, Asa PB, Acton RT. Interaction of murine T-cell surface antigens with *Mycoplasma hyorhinis*. *Macrophages and Lymphocytes, Part B* (MR Escobar and H Freeman, eds.) 65-80, Plenum Publishing Co., New York, 1980 Check Interaction of murine T-cell surface antigens with *Mycoplasma hyorhinis*. *Adv Exp Med Biol*. 121B:65-80, 1979.
66. Asa PB, Acton RT, Cassell GH, Wise KS. Identification and characterization of protein antigens of two *Mycoplasma* species. *J Immunology* 124:997-999, 1980.
67. Ades EW, Zwerner RK, Acton RT, Balch CM. Isolation and partial characterization of the human homologue of Thy-1. *J Exp Med*. 151:400-405, 1980.
68. Reitnauer PJ, Roseman JM, Barger BO, Murphy CC, Acton RT. HLA in juvenile diabetes. *New Engl. J Med*. 302:405-406, 1980.
69. Acton RT, Barger BO, Boshell BR, Kirk KA, Murphy CC, Reitnauer PJ, Roseman JM. Phenotypic markers of diabetes mellitus. *Autoimmune Aspects of Endocrine Disorders*. (A Pinchera, D Doniach, GF Fenzi, L Baschiere, eds.) 333-338 Academic Press, 1980.
70. Acton RT, Barger BO. The potential use of HLA to predict risk of malignant diseases and outcome of therapy. *Pediatric Oncology* (GB Humphrey, L Dehner, G Grindey, RT Acton,(eds), Vol 1:47-77, Martinus Nijhoff Publishers, The Hague, 1981.
71. Reitnauer PJ, Roseman JM, Barger BO, Murphy CC, Kirk KA, Acton RT. HLA associations with insulin-dependent diabetes mellitus in a sample of the American black population. *Tissue Antigens* 17:286-293, 1981.
72. Acton RT, Barger BO, Boshell BR, Go RC, Murphy CC, Reitnauer PJ, Rosemen JM. Epidemiology and genetics of insulin dependent diabetes mellitus in the white and black population from the southeastern United States. *Frontiers in Immunogenetics* (WH Hilderman, ed.) Elsevier-North Holland, New York 239-255, 1981.
73. Zwerner RK, Cox RM, Lynn JD, Acton RT. A five year perspective of the large scale growth of mammalian cells in suspension culture. *Biotech Bioeng*. 23:2717-2735, 1981.

74. Budowle B, Go RCP, Acton RT. Properdin factor B polymorphism in black Americans. *J Immunogenetics*. 8:519-521, 1981.
75. Acton RT, Barger BO. Guidelines for the use of genetic tests to establish paternity. *Birmingham Bar Assoc Bull.* (1):3-6, 1981.
76. Budowle B, Go RCP, Acton RT. Isoelectric focusing of hair proteins. *Electrophoresis* 81, (RC Allen P Arnaud, eds.) Walter de Gruyter, Berlin, 586-590, 1981.
77. Budowle B, Acton RT. A technique for the detection of variable electrophoretic patterns of hair proteins. *Electrophoresis* 2:333-334, 1981.
78. Budowle B, Acton RT, Barger BO. A method for dialysis of microsamples. *Anal Biochem.* 118:399-400, 1981.
79. Pittman WB, Acton RT, Barger BO, Bell DS, Go RCP, Murphy CC, Roseman JM. HLA-A -B and -DR associations with primary diabetes mellitus in those with onset after age 40. *Diabetes* 31:122-125, 1982.
80. Acton RT, Balch CM, Budowle B, Go RCP, Roseman JM, Soong SJ, Barger BO. Immunogenetics of Melanoma. *Melanoma antigens and antibodies*, (RA Reisfeld, S. Ferrone, eds.), Plenum Publishing Co., New York 1-21, 1982.
81. Budowle B, Barger BO, Balch CM, Go RCP, Roseman JM, Acton RT. Associations of of properdin factor B with melanoma. *Cancer Genetics and Cytogenetics*. 5:247-251, 1982.
82. Alarcon GS, Koopman WJ, Acton RT, Barger BO. Seronegative rheumatoid arthritis: a distinct immunogenetic disease? *Arth Rheum.* 25:502-507, 1982.
83. Reitnauer PJ, Go RCP, Acton RT, Murphy CC, Budowle B, Barger BO, Roseman JM. Evidence for genetic admixture as a determinant in the occurrence of IDDM in U.S. blacks. *Diabetes*. 31:532-537, 1982.
84. Budowle B, Reitnauer PJ, Barger BO, Go RCP, Roseman JM, Acton RT. Properdin factor B in black IDDM patients. *Diabetologia*. 22:483-485, 1982.
85. Barger BO, Acton RT, Soong SJ, Roseman JM, Balch CM. Increase of HLA-DR4 in melanoma patients from Alabama. *Cancer Research* 42:4276-4279, 1982.
86. Budowle B, Acton RT, Barger BO, Blackstock R, Crist W, Go RCP, Humphrey GB, Ragab A, Roper M, Vietti T, Dearth J. Properdin factor B and acute lymphocytic leukemia (ALL). *Cancer* 50:2369-2371, 1982.
87. Acton RT, Balch CM, Barger BO, Budowle B, Go RCP, Soong SJ, Roseman JM. The occurrence of melanoma and its relationship with host, lifestyle and environmental factors. *Malignant Melanoma 1* (JJ Constanzi ed.) Martinus Nijhoff Publishers. The Hague, 151-182, 1983.
88. Budowle B, Louv W, Barger BO, Go RCP, Roseman JM, Acton RT. Age at onset of insulin dependent diabetes mellitus associated with Bf1. *Immunogenetics* 17: 437-440, 1983.

89. Budowle B, Louv W, Barger BO, Go RCP, Roseman JM, Acton RT. Phenotypes of the fourth complement component (C4) in black Americans from the southeast United States. *J. Immunogenetics* 10:199-203. 1983.
90. Budowle B, Go RCP, Roseman JM, Barger BO, Acton RT. C4 phenotypes in caucasians from the southeastern United States. *Electrophoresis* 82: (D. Stathakos ed.) Walter de Gruyter, Berlin, 715-723, 1983.
91. Murphy CC, Acton RT, Barger BO, Go RCP, Kirk KA, Reitnauer PJ, Roseman JM. Population genetic analyses of IDDM using HLA allele frequencies. *Clin. Genetics* 23: 405-414, 1983.
92. Alarcon GS, Koopman WJ, Acton RT, Barger BO. DR antigen distribution in blacks with rheumatoid arthritis. *J. Rheumatology* 10:579-583, 1983.
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