

Richard C. Adelman, Ph.D.
Curriculum Vitae

- Birth: Date - March 10, 1940
Place - Newark, New Jersey, USA
- Marital Status: Married, two children
- Education: A.B.: Chemistry, Kenyon College, Gambier, OH; 1962
M.A.: Chemistry, Temple University, Philadelphia, PA; 1965
Ph.D.: Chemistry, Temple University, Philadelphia, PA; 1967
- Experience: Graduate Research Fellow, Fels Research Institute and Department of Chemistry, Temple University (Research Advisor, Dr. Sidney Weinhouse), Philadelphia PA, 1963-67.
American Cancer Society Postdoctoral Fellow, Department of Molecular Biology, Albert Einstein College of Medicine (Research Advisor, Dr. Bernard Horecker), Bronx NY, 1967-69.
Assistant Professor (1969-73), Associate Professor (1973-79) and Professor (1979-82) of Biochemistry, Fels Research Institute and Department of Biochemistry, School of Medicine; Executive Director (1978-82), Institute on Aging, Temple University, Philadelphia PA.
Director (1982-97), Senior Research Scientist (1982-2000), and Senior Research Scientist Emeritus (2001-present), Institute of Gerontology; Professor of Biological Chemistry with Tenure (1982-2000) and Professor Emeritus of Biological Chemistry (2001-present), School of Medicine; University of Michigan, Ann Arbor, MI.
Director of University Relations, University Living, Inc., Ann Arbor, MI (2001-present)
- Selected Honors and Activities: President, The Gerontological Society of America, 1986-87

Donald P. Kent Award from the Gerontological Society of America for Exemplifying the Highest Standards of Professional Leadership in Gerontology through Teaching, Service, and Interpretation of Gerontology to the Larger Society, 1990

Member, Governing Council, International Association of Gerontology, 1988-91

Chairman, U.S. Department of Veterans Affairs National Advisory Committee on Geriatrics and Gerontology, 1988-91

Member, National Scientific Advisory Council, American Federation for Aging Research, 1988-1995

Member, NIH Pathobiological Chemistry Study Section, 1975-78

Member, NIH Genetics Special Study Section, 1985

Chairman, Veterans Administration Special Study Section on the Biology of Aging, 1983

Member, NIH (National Institute on Aging) Scientific Review Panel for Geriatrics Research and Training Centers, 1990

Chairman, Gordon Research Conference on the Biology of Aging, 1976

Chairman, Scientific Advisory Board, Nathan W. and Margaret T. Shock Aging Research Foundation, 1989-1999

External Advisory Committee, Aging Research and Education Center, University of Texas at San Antonio Health Sciences Center, 1993-present

Editorial Boards:

- Journals of Gerontology, 1976-1996
- Mechanisms of Ageing and Development, 1972-88
- Experimental Aging Research, 1976-78
- Neurobiology of Aging, 1980-81
- Experimental Gerontology, 1984-98
- Aging, Clinical and Experimental Research, 1989-2000

Established Investigator of the American Heart Association, 1975-78

Medalist Award, Intrascience Research Foundation, 1977

National Academy of Sciences Committee on Animal Models for Research on Aging, Chairman, Subcommittee on Rats, 1978-79

President, Philadelphia Biochemists Club, 1974-75

President, Southeastern Regional (PA) Practitioners in Aging, 1980-82

Board of Directors, Farmington Nursing Home, Farmington Hills, MI, 1984-1988

Member, Grants Advisory Panel, Blue Cross Blue Shield of Michigan Foundation, 1990-present

Board of Directors, Lantis Enterprises, Inc., Spearfish, SD, 1996-2000

Other Professional Society Memberships:

- American Society for Biochemistry and Molecular Biology
- American Chemical Society
- American Association for the Advancement of Science

External Grant Support:

Past: Continuous grant support as PI for Research Projects, Program Projects and/or Institutional Research Training Programs, 1970-2000
Administration on Aging (DHHS) as PI for Long Term Care Gerontology Center
Health Resources and Services Administration (DHHS) as PI for Geriatrics Education Center
American Federation for Aging Research as PI for Research Project
NIH, Geriatrics Research and Training Center, to direct Research Development Core (PI, Jeffrey Halter)
Dana Foundation, Clinical Research Training in Geriatrics (PI, Jeffrey Halter)
NIH, PI, Multidisciplinary Research Training in Gerontology, 1985-1995; stipends and related expenses for 6 pre-doctoral and 9 postdoctoral fellows per year
NIH, Nathan Shock Center for Research on the Biology of Aging, to direct Research Development Core (PI, John Faulkner)

UM Advisory and Executive Committees:

Center for Human Growth and Development
Institute for Social Research, National Archive for Data on Aging
Medical School Taskforce on Development of Center of Excellence in Geriatrics
School of Medicine, Department of Internal Medicine, Division of Geriatric Medicine Clinical Research Training
School of Public Health Research Training in Public Health and Aging
School of Nursing Teaching Nursing Home Development Project
Mental Health Research Institute
Population Studies Center
Ann Arbor Veterans Administration Medical Center, Geriatrics Research Education and Clinical Center
Alzheimer's Disease Research Center
Operating Committee, Older Americans Independence Center
OVPR Research Excellence and VCM Advisory Committee

Publications (not including abstracts)

Research Articles in Refereed Journals

Spolter, P.D., Adelman, R.C., and Weinhouse, S., Distinctive Properties of Native and Carboxypeptidase-Treated Aldolases of Rabbit Muscle and Liver, *J. Biol. Chem.* 240, 1327-1337, 1965.

Adelman, R.C., Spolter, P.D., and Weinhouse, S., Dietary and Hormonal Regulation of Enzymes of Fructose Metabolism in Rat Liver, *J. Biol. Chem.* 241, 5467-5472, 1966.

Adelman, R.C., Ballard, F.J., and Weinhouse, S., Purification and Properties of Rat Liver Fructokinase, *J. Biol. Chem.* 242, 3360-3365, 1967.

Adelman, R.C., Ballard, F.J., and Weinhouse, S., Fructokinase, Triokinase, and Aldolase in Liver Tumors of the Rat, *Cancer Research* 17, 2408-2413, 1967.

Adelman, R.C., Lo, C.-H., and Weinhouse, S., Dietary and Hormonal Effects on Adenosine Triphosphate: Adenosine Monophosphate Phosphotransferase Activity in Rat Liver, *J. Biol. Chem.* 243, 2538-2544, 1968.

Farina, F.A., Adelman, R.C., Lo, C.-H., Morris, H.P., and Weinhouse, S., Metabolic Regulation and Enzyme Alteration in the Morris Hepatomas, *Cancer Research* 18, 1897-1900, 1968.

Adelman, R.C., Morse, D.E., Chan, W., and Horecker, B.L., Evidence for a Substrate-Mediated Change in Conformation of Rabbit Muscle Aldolase, *Arch. Biochem. Biophys.* 126, 343-352, 1968.

Adelman, R.C. and Lacko, A.G., The Inhibition of Bovine Pancreatic Carboxypeptidase A by Dihydroxyacetone Phosphate, *Biochem. Biophys. Res. Commun.* 33, 596-601, 1968.

Adelman, R.C., Brox, L.W., and Krulwich, T.A., The Preparation of Radioactive L-Glyceraldehyde 3-Phosphate, *Anal. Biochem.* 32, 258-262, 1969.

Brox, L.W., Lacko, A.G., Gracey, R.W., Adelman, R.C., and Horecker, B.L., Muscle Type Aldolase Isolated from a Liver Tumor, *Biochem. Biophys. Res. Commun.* 36, 994-998, 1969.

Horecker, B.L., Gracey, R.W., Lacko, A.G., Davis, L., and Adelman, R.C., The Function of C-Terminal Residues in Aldolase, *Proc. Natl. Acad. Sci.* 63, 227-228, 1969.

- Gracey, R.W., Lacko, A.G., Brox, L.W., Adelman, R.C., and Horecker, B.L., Structural Relations in Aldolases Purified from Rat Liver and Novikoff Hepatoma, *Arch. Biochem. Biophys.* 136, 480-490, 1970.
- Adelman, R.C., An Age-Dependent Modification of Enzyme Regulation, *J. Biol. Chem.* 245, 1032-1035, 1970.
- Adelman, R.C., The Independence of Cell Division and Age-Dependent Modification of Enzyme Regulation, *Biochem. Biophys. Res. Commun.* 38, 1149-1153, 1970.
- Adelman, R.C., Reappraisal of Biological Aging, *Nature* 228, 1095-1096, 1970.
- Adelman, R.C., Age-Dependent Effects in Enzyme Induction - A Biochemical Expression of Aging, *Exper. Gerontol.* 6, 75-87, 1971.
- Adelman, R.C., A Possible Role for Pituitary Function in the Age-Dependent Regulation of Hepatic Tyrosine Aminotransferase Activity, *Biochem. Biophys. Res. Commun.* 43, 814-818, 1971.
- Adelman, R.C., Stein, G., Roth, G.S., and Englander, D., Age-Dependent Regulation of Mammalian DNA Synthesis and Cell Proliferation *In Vivo*, *Mech. Age. Devel.* 9, 49-59, 1972.
- Adelman, R.C., and Freeman, C., Age-Dependent Regulation of Glucokinase and Tyrosine Aminotransferase Activities of Rat Liver *In Vivo* by Adrenal, Pancreatic and Pituitary Hormones, *Endocrinol.* 90, 1551-1560, 1972.
- Adelman, R.C., Control of Fructose-Metabolizing Enzymes, *Acta Med. Scand. Supplement* 542, 47-56, 1972.
- Stein, G., Wang, P.L., and Adelman, R.C., Age-Dependent Changes in the Structure and Function of Mammalian Chromatin, *Exper. Gerontol.* 8, 123-133, 1973.
- Roth, G.S., and Adelman, R.C., Possible Changes in Tissue Sensitivity in the Age-Dependent Stimulation of DNA Synthesis *In Vivo*, *J. Geront.* 28, 298-301, 1973.
- Freeman, C., Karoly, K., and Adelman, R.C., Impairments in Availability of Insulin to Liver *In Vivo* and in Binding of Insulin to Purified Hepatic Plasma Membrane during Aging, *Biochem. Biophys. Res. Commun.* 54, 1573-1580, 1973.
- Adelman, R.C., Hormonal Regulation of Macromolecular Synthesis During Aging, *Les Colloques De l'Institut National de la Sante et de la Recherche Medicale; Molecular and Cellular Mechanisms of Aging, INSERM* 27, 141-152, Paris, 1973.

- Roth, G.S., Karoly, K., Britton, V.J., and Adelman, R.C., Age-Dependent Regulation of Isoproterenol-Stimulated DNA Synthesis in Rat Salivary Gland In Vivo, *Exper. Gerontol.* 9, 1-12, 1974.
- Roth, G.S., and Adelman, R.C., Regulation of Isoproterenol-Stimulated DNA Synthesis in Rat Salivary Gland In Vivo by Adrenal Glucocorticoids, *Exper. Gerontol.* 9, 13-26, 1974.
- Roth, G.S., and Adelman, R.C., Age-Dependent Regulation of Mammalian DNA Synthesis and Cell Division In Vivo by Glucocorticoids, *Exper. Gerontol.* 9, 27-31, 1974.
- Adelman, R.C., Impaired Hormonal Regulation of Enzyme Activity During Aging, *Fed. Proc. (FASEB Conference on Biology of Development and Aging)* 34, 179-182, 1975.
- Roth, G.S., and Adelman, R.C., Age-Related Changes in Hormone Binding by Target Cells and Tissues; Possible Role in Altered Adaptive Responsiveness, *Exper. Gerontol.* 10, 1-11, 1975.
- Britton, G.W., Rotenberg, S., and Adelman, R.C., Impaired Regulation of Corticosterone Levels during Fasting in Aging Rats, *Biochem. Biophys. Res. Commun.* 64, 184-188, 1975.
- Adelman, R.C., and Britton, G.W., The Impaired Capability for Biochemical Adaptation during Aging, *Bioscience (special issue on aging)* 25, 639-643, 1975.
- Britton, G.W., Britton, V.J., Gold, G., and Adelman, R.C., The Capability for Hormone-Stimulated Enzyme Adaptation in Liver Cells Isolated from Aging Rats, *Exper. Gerontol.* 11, 1-4, 1976.
- Gold, G., Karoly, K., Freeman, C., and Adelman, R.C., A Possible Role for Insulin in the Altered Capability for Hepatic Enzyme Adaptation during Aging, *Biochem. Biophys. Res. Commun.* 73, 1003-1010, 1976.
- Klug, T.L., and Adelman, R.C., Evidence for a Large Thyrotropin and its Accumulation during Aging in Rats, *Biochem. Biophys. Res. Commun.* 77, 1431-1437, 1977.
- Cohen, B.J., Anver, M.R., Ringler, D.H., and Adelman, R.C., Age-Associated Pathological Changes in Male Rats, *Fed. Proc.* 37, 2848-2850, 1978.
- Klug, T.L., and Adelman, R.C., Altered Hypothalamic-Pituitary Regulation of Thyrotropin in Male Rats during Aging, *Endocrinol.* 104, 1136-1142, 1979.

- Kitahara, A., and Adelman, R.C., Altered Regulation of Insulin Secretion in Isolated Islets of Different Sizes in Aging Rats, *Biochem. Biophys. Res. Commun.* 87, 1207-1213, 1979.
- Adelman, R.C., Loss of Adaptive Mechanisms during Aging, *Fed. Proc.* 38, 1968-1971, 1979.
- Klug, T.L., Karoly, K., and Adelman, R.C., Altered Regulation of Pancreatic Glucagon Levels in Rats during Aging, *Biochem. Biophys. Res. Commun.* 89, 907-912, 1979.
- Sartin, J., Chaudhuri, M., Obenrader, M., and Adelman, R.C., The Role of Hormones in Changing Adaptive Mechanisms during Aging, *Fed. Proc.* 39, 3163-3167, 1980.
- Chaudhuri, M., Sartin, J.L., and Adelman, R.C. A Role for Somatostatin in the Impaired Insulin Secretory Response to Glucose by Islets from Aging Rats, *J. Geront.* 38, 431-435, 1983.
- Sartin, J.L., Chaudhuri, M., Farina, S., and Adelman, R.C., Regulation of Insulin Secretion by Glucose During Aging, *J. Geront.* 41, 30-35, 1986.
- Magal, E., Chaudhuri, M., and Adelman, R.C., The Capability for Regulation of Insulin Secretion by Somatostatin in Purified Pancreatic Islet Beta Cells During Aging, *Mechanisms of Ageing and Development*, 33, 139-146, 1986.
- Adelman, R.C., The Dilemma of Research Training in Gerontology, *Ed. Geront.*, 12, 579-584, 1986.
- Adelman, R.C. Secretion of Insulin During Aging, *J. American Geriatrics Soc.* 37(10): 983-990, 1989.
- Casad, R.C., Jr. and Adelman, R.C. Aging Enhances Inhibitory Action of Somatostatin in Rat Pancreas, *Endocrinology* 130(4): 2420-2422, 1992.
- Adelman, R.C. The Alzheimerization of Aging, *The Gerontologist* 35(4): 526-532, 1995.
- Adelman, R.C. The Alzheimerization of Aging: A Brief Update, *Exper. Geront.* 33(1/2): 155-157, 1998.
- Adelman, R.C., and Verbrugge, L.M. Death Makes News: The Social Impact of Disease on Newspaper Coverage. *The Journal of Health and Social Behavior* 41 (September):347-367, 2000.
- Adelman, R.C., Cristofalo, V.J., Masoro, E.J., and Roberts, J. The Philadelphia Mafia: Networking in the Development of Biological Gerontology, *Contemporary Gerontology* 8(2) 46-57, 2001.

Adelman, R.C., John Updike's Thought Experiment on Ageism, *Journal of Aging, Humanities and the Arts*, 4:406-414, 2010.

Book Reviews

Adelman, R.C., An Antidote to Societal and Cultural Distrust of Science (Book Review. *How and Why We Age* by Leonard Hayflick). *The Gerontologist* 35(1): 132-133, 1995.

Adelman, R.C. A View From The Other Side (Book Review. *Toward the End of Time* by John Updike). *SCIENCE* 279 (Feb.6):819, 1998.

Adelman, R.C., John Updike Packing (Book Review. *Endpoint and Other Poems & My Father's Tears and Other Short Stories* by John Updike). *Journal of Aging, Humanities, and the Arts* 4(1): 68-72, 2010.

Authored Books

Adelman, R.C. (2009). *AGING AWAKENINGS: Assisted-Living Residents Teach University Students to Overcome Ageism*. Ann Arbor, Michigan: RC Adelman (Printed by CreateSpace, an Amazon.com Company).

Edited Books

EXPLORATIONS IN AGING, edited by V.J. Cristofalo, J. Roberts, and R.C. Adelman, *ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY*, 61, Plenum Press, 1975.

PHARMACOLOGICAL INTERVENTION IN THE AGING PROCESS, Edited by J. Roberts, R.C. Adelman, and V.J. Cristofalo, *ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY*, 97, Plenum Press, 1978.

DEVELOPMENT OF THE RODENT AS A MODEL SYSTEM OF AGING II (D. Gibson, R.C. Adelman, and C. Finch, editors), DHEW, Book II, 1979.

PLANT SENESCENCE, Uniscience Series on Aging, Co-Editors-in-Chief, R.C. Adelman and G.S. Roth; Vol. ed., K. Thimann; CRC Press, 1980.

BIOCHEMISTRY OF AGING, edited by L. Smith, T.L. Klug, and R.C. Adelman, U.S. Department of Health and Human Sciences, PHS, NIH, 1980.

- IMMUNOLOGICAL TECHNIQUES APPLIED TO AGING RESEARCH, Uniscience Series on Aging, Co-editors-in-chief, R.C. Adelman and G.S. Roth; Vol. editors, W.H. Adler and A.A. Norton, CRC Press, 1981.
- HANDBOOK OF BIOCHEMISTRY OF AGING, CRC Series in Aging, editor-in-chief, R.C. Adelman; Biol. Sect. ed., R.C. Adelman; Vol. ed., J. Florini, CRC Press, Boca Raton, FL, 1981.
- HANDBOOK OF PHYSIOLOGY OF AGING, CRC Series in Aging, editor-in-chief, R.C. Adelman; Biol. Sect. ed., R.C. Adelman; Vol. ed., E.J. Masoro, CRC Press, Boca Raton, FL, 1981.
- HANDBOOK OF IMMUNOLOGY OF AGING, CRC Series in Aging, editor-in-chief, R.C. Adelman; Biol. Sect. ed., R.C. Adelman; Vol. editors, M.M.B. Kay and T. Makinodan, CRC Press, Boca Raton, FL, 1981.
- CURRENT TRENDS IN MORPHOLOGICAL TECHNIQUES, Vol. 1, Uniscience Series on Aging, co-editors-in-chief, R.C. Adelman and G.S. Roth; Vol. ed., J.E. Johnson, CRC Press, Boca Raton, FL, 1981.
- CURRENT TRENDS IN MORPHOLOGICAL TECHNIQUES, Vol. 2, Uniscience Series on Aging, co-editors-in-chief, R.C. Adelman and G.S. Roth; Vol. ed., J.E. Johnson, CRC Press, Boca Raton, FL, 1981.
- CURRENT TRENDS IN MORPHOLOGICAL TECHNIQUES, Vol. 3, Uniscience Series on Aging, co-editors-in-chief, R.C. Adelman and G.S. Roth; Vol. ed., J.E. Johnson, CRC Press, Boca Raton, FL, 1981.
- ENDOCRINE AND NEUROENDOCRINE MECHANISMS OF AGING, CRC Series in Aging, Vol. editors, R.C. Adelman and G.S. Roth, co-editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL 1982.
- ALCOHOLISM AND AGING: ADVANCES IN RESEARCH, CRC Series in Aging, Vol. editors, W.G. Wood and M.F. Elias; co-editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1982.
- TESTING THE THEORIES OF AGING, CRC Series in Aging, Vol. editors, R.C. Adelman and G.S. Roth; co-editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1982.
- NUTRITIONAL APPROACHES TO AGING RESEARCH, CRC Series in Aging, Vol. ed., G.B. Moment; co-editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1982.

- NEURAL REGULATORY MECHANISMS DURING AGING, Modern Aging Research Series Vol. 1, Vol. editors, R.C. Adelman, et al.; Series Editors, R.C. Adelman, J. Roberts, G.T. Baker, V.J. Cristofalo; Alan R. Liss, Inc., New York, 1982.
- AGING AND HUMAN VISUAL FUNCTION, Modern Aging Research Series Vol. 2, Vol. editors, R. Sekuler, et al.; Series Editors, R.C. Adelman, J. Roberts, G.T. Baker, V.J. Cristofalo; Alan R. Liss, Inc., New York, 1982.
- HANDBOOK ON PHARMACOLOGY OF AGING, CRC Series in Aging, editors-in-chief, R.C. Adelman and G.S. Roth; Biol. Sect. ed., R.C. Adelman; Vol. editors, J. Roberts and P. Goldberg, CRC Press, Boca Raton, FL, 1983.
- ALTERED PROTEINS AND AGING, CRC Series in Aging, Vol. editors, R.C. Adelman and G.S. Roth, editors, editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1983.
- INTERVENTION IN THE AGING PROCESS, PART A: QUANTITATION, EPIDEMIOLOGY, AND CLINICAL RESEARCH, W. Regelson and F.M. Sinex, Vol. editors, R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors, Modern Aging Research Vol. 3A, Alan R. Liss, Inc., New York, 1983.
- INTERVENTION IN THE AGING PROCESS, PART B: BASIC RESEARCH AND PRECLINICAL SCREENING, W. Regelson and F.M. Sinex, Vol. editors, R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors, Modern Aging Research Vol. 3B, Alan R. Liss, Inc., New York, 1983.
- COMPARATIVE PATHOBIOLOGY OF MAJOR AGE-RELATED DISEASES: CURRENT STATUS AND RESEARCH FRONTIERS, D.G. Scarpelli and G. Migaki, Vol. editors; R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors, Modern Aging Research Vol. 4, Alan R. Liss, Inc., New York, 1984.
- SENILE DEMENTIA: OUTLOOK FOR THE FUTURE. J. Wertheimer and M. Marois, Vol. editors; R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors; Modern Aging Research Vol. 5, Alan R. Liss, Inc., New York, 1984.
- ALTERED ENDOCRINE STATUS DURING AGING. R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Volume and Series Editors, Modern Aging Research Vol. 6, Alan R. Liss, Inc., New York, 1984.
- INVERTEBRATE MODELS IN AGING RESEARCH. CRC Series in Aging, Vol. Editors, D.H. Mitchell and T.E. Johnson, Editors-in-Chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1984.

HANDBOOK OF CELL BIOLOGY OF AGING, CRC Series in Aging, editor-in-chief, R.C. Adelman; Biol. Sect. ed., R.C. Adelman; Vol. ed., V.J. Cristofalo, CRC Press, Boca Raton, FL, 1985.

HANDBOOK OF THE BIOLOGY OF AGING. C.E. Finch and E.L. Schneider, Editors, R.C. Adelman, G.M. Martin and E.J. Masoro, Assoc. Editors, Van Nostrand Reinhold Co., New York, 1985.

MODIFICATIONS OF PROTEINS DURING AGING. R.C. Adelman and E.E. Dekker, Vol. editors; R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors; Modern Aging Research, Vol. 7, Alan R. Liss, Inc., New York, 1985.

FREE RADICALS, AGING, AND DEGENERATIVE DISEASES. J.E. Johnson, Jr., R. Walford, D. Harman, J. Miquel, Vol. editors; R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Series Editors; Modern Aging Research Vol. 8, Alan R. Liss, Inc., New York, 1986.

PROTEIN METABOLISM IN AGING. H.L. Segal, M. Rothstein and E. Bergamini, Vol. Editors; R.C. Adelman, J. Roberts, G. T. Baker III, and V. J. Cristofalo Series Editors; Modern Aging Research Vol. 9, Wiley-Liss, New York, 1990.

ANNUAL REVIEW OF GERONTOLOGY AND GERIATRICS, Cristofalo, V.J., and Adelman, R.C., vol. eds., Volume 21: Modern Topics in the Biology of Aging, K. Warner Schaie, series ed., Springer Publishing Company, New York, 2001.

Book Chapters

Spolter, P.D., Adelman, R.C., DiPietro, D.L., and Weinhouse, S., Fructose Metabolism and Kinetic Properties of Rabbit Liver Aldolase, *Advances in Enzyme Regulation* (G. Weber, ed.) 3, 79-89, 1965.

Adelman, R.C., Lo, C.-H., and Weinhouse, S., Adenylate Kinase Activity in Rat Liver, *Advances in Enzyme Regulation* (G. Weber, ed.) 6, 425-436, 1968.

Adelman, R.C., Age-Dependent Control of Enzyme Adaptation, *Advances in Gerontological Research* (B. Strehler, ed.) 4, 1-23, 1972.

Adelman, R.C., Freeman, C., and Cohen, B.S., Enzyme Adaptation as a Biochemical Probe of Development and Aging, *Advances in Enzyme Regulation* (G. Weber, ed.) 10, 365-382, 1972.

Adelman, R.C., Freeman, C., and Rotenberg, S., Neuroendocrine Control of Hepatic Enzyme Activity, *Progress in Brain Research* (D.H. Ford, ed.) 40, 510-516, 1973.

- Adelman, R.C., Disruption of Hepatic Enzyme Regulation during Aging, in Enzyme Induction (D.V. Parke, ed.), Plenum Press 303-311, 1975.
- Britton, G.W., Rotenberg, S., Freeman, C., Britton, V.J., Karoly, K., Ceci, L., Klug, T.L., Lacko, A.G., and Adelman, R.C., Regulation of Corticosterone Levels and Liver Enzyme Activity in Aging Rats, in Explorations in Aging (V.J. Cristofalo, J. Roberts, R.C. Adelman, editors), Plenum Press, 209-228, 1975.
- Adelman, R.C., Impaired Hormonal Regulation of Enzyme Activity during Aging, in Biology of Aging and Development (G.J. Thorbecke, ed.), Plenum Publishing Corporation, New York, pp. 307-313, 1975.
- Adelman, R.C., Age-Dependent Hormonal Regulation of Mammalian Gene Expression, in Hypothalamus, Pituitary and Aging (A. Everitt and J. Burgess, editors), Charles C. Thomas, Springfield, IL, pp. 668-675, 1976.
- Adelman, R.C., Age-Dependent Functional Capacities of the Mammalian Cell: On the Maintenance of Enzyme Adaptation, SOLICITED FOR Inter-disciplinary Topics in Gerontol. 9, 2-7, 1976.
- Adelman, R.C., in Aging, Benchmark Papers in Human Physiology (G.M. Emerson, ed.), Vol. II, Dowden, Hutchinson and Ross, Inc., Stroudsburg, PA, p. 299, 1977.
- Adelman, R.C., Macromolecular Metabolism during Aging, in Handbook of Biology of Aging (C. Finch and L. Hayflick, editors), Van Nostrand Reinhold Co., New York, pp. 63-72, 1977.
- Adelman, R.C., Hepatic Control of Hormone-Stimulated Enzyme Adaptation during Aging, in Liver and Ageing, Giessener Symposium uber Experimentelle Gerontologies (D. Platt, ed.), F.K. Schattauer Verlag, Stuttgart, pp. 175-182, 1977.
- Adelman, R.C., Britton, G.W., Rotenberg, S., Ceci, L., and Karoly, K., Endocrine Regulation of Enzyme Activity in Aging Animals of Different Genotypes, in Genetic Effects on Aging (D. Harrison, ed.), National Foundation March of Dimes, Vol. XIV, pp. 355-364, 1978.
- Klug, T.L., and Adelman, R.C., Age-Dependent Accumulation of Immunoreactive Species of Thyrotropin (TSH) which Inhibit Production of Thyroid Hormones, in Pharmacological Intervention in the Aging Process (J. Roberts, R.C. Adelman, V.J. Cristofalo, editors), Plenum Press, pp. 259-264, 1978.
- Adelman, R.C., Klug, T.L., Obenrader, M.F., and Kitahara, A., Regulation of Hormone Levels and Activities during Aging, in Liver and Aging (K. Kitani, ed.), Elsevier, Amsterdam, pp. 277-283, 1978.

- Adelman, R.C., and Karoly, K., Hormonal Changes during Aging, in Development of the Rodent as a Model System of Aging II (D. Gibson, R.C. Adelman, and C. Finch, editors), DHEW, Book II, 1979.
- Adelman, R.C., In Pursuit of Molecular Mechanisms of Aging, in Cell Biology of Aging (A. Cherkin, ed.), Raven Press, New York, 1979, pp. 99-107.
- Klug, T.L., Obenrader, M.F., and Adelman, R.C., Heterogeneity of Polypeptide Hormones during Aging, in Parkinson's Disease II (C.E. Finch, D.E. Potter, and A.D. Kenny, editors), Plenum Publishing Corporation, New York, 1979, pp. 59-75.
- Adelman, R.C., Regulation of the Availability and Effectiveness of Hormones during Aging, in Aging, Its Chemistry (A. Dietz, ed.), American Association of Clinical Chemistry, Washington, D.C., 1980, pp. 250-260.
- Adelman, R.C., Disturbances in Hormonal Regulatory Mechanisms during Aging, in Biochemistry of Aging (L. Smith, T.L. Klug, and R.C. Adelman, editors), DHHS, PHS, NIH, pp. 12-14, 1980.
- Sartin, J.L., Sartin, E.A., Cohen, B.J., and Adelman, R.C., An In Vitro System for Investigation of Effects of Aging on the Regulation of Insulin Secretion, in Endocrine and Neuroendocrine Mechanisms of Aging (R.C. Adelman and G.S. Roth, editors), CRC Series in Aging, co-editors-in-chief, R.C. Adelman and G.S. Roth, CRC Press, Inc., Boca Raton, FL, 1982, pp. 15-24.
- Adelman, R.C., Expression of Endocrinological Change, in Biological Markers of Aging (M.E. Reff and E.L. Schneider, editors), USDHHS, NIH, PHS, NIH Pub. #82-2221, 1982.
- Adelman, R.C., Overview of the Biology of Aging, in The Aging Gut (ed., E. Clinton Texter, Jr.), Masson Publishing, Inc., 1983, pp. 1-3.
- Adelman, R.C., and Sartin, J.L., Changes in Endocrine Status during Aging, in Altered Endocrine Status during Aging, R.C. Adelman, J. Roberts, G.T. Baker, and V.J. Cristofalo, Volume and Series Editors, Modern Aging Research Vol. 6, Alan R. Liss, Inc., New York, 1984, pp. 101-113.
- Adelman, R.C., Myths and Realities of Biological Aging, in Orthodontics in an Aging Society, Monograph 22, Craniofacial Growth Series, D.S. Carlson, Editor; Center for Human Growth and Development, University of Michigan, 1989, pp. 23-31.
- Adelman, R.C., Changes in Pancreatic Hormones During Aging, in Dietary Restriction and Aging, Progress in Clinical and Biological Research, Volume 287, D.L. Snyder, Editor; Alan R. Liss, Inc., New York, NY, 1988, pp. 163-166.

Cristofalo, V.J., and Adelman, R.C. Preface, in V.J. Cristofalo and R.C. Adelman, vol.eds., ANNUAL REVIEW OF GERONTOLOGY AND GERIATRICS, Volume 21: Modern Topics in the Biology of Aging, K. Warner Schaie, series ed., Springer Publishing Company, New York, 2001.

Miscellaneous

Adelman, R.C. A Matter of Life and Death. Temple University Alumni Review 21(4): 9-11, Winter, 1971.

Adelman, R.C., et al., (Solicited collection of reprints) in Enzyme Induction in Aging and Protein Synthesis, Vol. IV in MSS' Series in Aging and Protein Synthesis, MSS Information Corporation, New York, 1974.

Adelman, R.C., On Teaching the Biology of Aging, in Proceedings of the Association for Gerontology in Higher Education, p. 202, 1978.

Adelman, R.C., Enzyme Changes during the Aging Process, in Nutrition of the Aged, Nutrition Society of Canada, pp. 21-24, 1978.

Adelman, R.C., Biology of Aging, in Working with Elderly People, Health Resources Administration, HHS, 1979.

Adelman, R.C., Definition of Biological Aging, in Epidemiology of Aging, Vol. 2, DHEW, pp. 9-13, 1980.

Obenrader, M.F., Klug, T.L., Sartin, J.L., and Adelman, R.C., Hormone Interactions during Aging, in Biological Mechanisms in Aging (R.T. Schimke, ed.), Chapter 7, Neural and Endocrine Mechanisms of Aging, National Institute on Aging, HHS, pp. 686-695, 1981.

Obenrader, M.F., Sartin, J.L., and Adelman, R.C., Synthesis and Metabolism of Specific Proteins during Aging, in Biological Mechanisms in Aging (R.T. Schimke, ed.), Chapter 4, Protein Synthesis, National Institute on Aging, HHS, pp. 382-393, 1981.

Obenrader, M.F., Sartin, J.L., and Adelman, R.C., Enzyme Adaptation during Aging, in Handbook of Biochemistry of Aging (Vol. ed., J. Florini; Biol. Sect. ed., R.C. Adelman; CRC Series in Aging, editor-in-chief, R.C. Adelman), CRC Press, Boca Raton, FL, 1981, pp. 263-267.

Adelman, R.C., Hormone Action, in Le Vieillessement: un Defi a La Science Politique Sociale, Vol. 1, Biologie, Oxford University Press, London, 1981, p. 242.

- Cohen, B.J., Adelman, R.C., *et al.* MAMMALIAN MODELS FOR RESEARCH ON AGING, Committee on Animal Models for Research on Aging, Institute of Laboratory Animal Resources, Division of Biological Sciences, Assembly of Life Sciences, National Academy Press, Washington, D.C., 1981.
- Adelman, R.C., As the Body Ages, in Yearbook of Science and the Future, Encyclopedia Britannica, 1982, pp. 88-103.
- Adelman, R.C., Editorial: Biomarkers of Aging, *Exper. Geront.*, 22, 227-229, 1987.
- Adelman, R.C., Editorial: The Importance of Basic Biological Science to Gerontology, *J. Geront.:Biol. Sci.* 43, B1-B2, 1988.
- Adelman, R.C., On the Establishment of Credentials in Gerontology, *The Gerontologist* 28, 169, 1988.
- Adelman, R.C., Rebuttals to Letters to the Editor in Response to Editorial on Biomarkers of Aging. *Exper. Geront.* 23, 141-142, 1988.
- Adelman, R.C., The Mutual Challenge to Research and Public Policy in Aging, in The Legislative Agenda for an Aging Society: 1988 and Beyond, House Select Committee on Aging (Pub. No. 100-664) and Senate Special Committee on Aging (Pub. No. 100-J), U.S Congress, Government Printing Office, 1988, pp. 7-11.
- Smith, L. and Adelman, R.C. Message to Biologists from the GSA Taskforce on Minority Issues in Gerontology, *J. Geront.* 44(1):B1-B3, 1989.
- Adelman, R.C. Testimony, Health Care Services for Aging Veterans, Subcommittee on Oversight and Investigations, Committee on Veterans' Affairs, U.S. House of Representatives. Serial 101-8, U.S. Government Printing Office, Washington, DC, 1989. pp. 9-10, 12-13, 15-17, 47-53, 111-112.
- Adelman, R.C. Changes in DVA Policy for the Delivery of Health Care to Eligible Aging Veterans. Unpublished Report by the Geriatrics and Gerontology Advisory Committee, submitted to the U.S. Department of Veterans Affairs, October, 1989.
- Adelman, R.C., Foreword, in Late Life Potential. M.A. Perlmutter, Editor; Gerontological Society of America, Washington, DC. pp. v, 1990.
- Adelman, R.C. Responsibilities of Higher Education to Research on Aging, in Higher Education in an Aging Society. Gerontological Society of America, Washington, DC. 57-84, 1990.
- Adelman, R.C. Testimony, President's FY 1991 Budget Recommendations for the U.S. Department of Veterans Affairs, Committee on Veterans Affairs, U.S. House of Representatives.

- Adelman, R.C., and Gibson, D.C. In memoriam, Bennett J. Cohen, *J. Gerontol.* 46:B1, 1991.
- Adelman, R.C., and Gibson, D.C. Obituary, Bennett J. Cohen, *Exp. Geront.* 26:1-2, 1991.
- Adelman, R.C. Testimony, President's FY 1992 Budget Recommendations for the National Institute on Aging, Committee on Appropriations, U.S. Senate and House of Representatives.
- Adelman, R.C., and George L. Gerontological Society of America Response to the Institute of Medicine Report, ENHANCING LIFE, EXTENDING LIFE -- A National Agenda for Research on Aging, *Journals of Gerontology* 46(6)i-ii, 1991.
- Adelman, R.C., Longino, C., Estes, C., Masoro, E.J., and Cohen, H. The Need for Science Advocacy in Gerontology, *Gerontology News*, October, 1992, p. 4.
- Adelman, R.C. 'Alzheimerization' of Aging Cheats Other Critical Research, *Detroit Free Press*, p. 13A, November 21, 1994.
- Adelman, R.C. Solicited back bookcover quotation. *AGING: A NATURAL HISTORY*, C.E. Finch and R. Rickleff, W.H. Freeman, New York 1995.
- Adelman, R.C. Foreword. Symposium: Mortality Crossovers and Selective Survival in Human and Nonhuman Populations, *The Gerontologist* 35(5):583, 1995.
- Adelman, R.C. Rebuttal to Blumenthal Letter to the Editor, *The Gerontologist* 35(6):721-723, 1995.
- Adelman, R.C. Rebuttal to Gilman/Foster Letter to the Editor, *The Gerontologist* 36(1):10, 1996.
- Adelman, R.C., Martin, G.R., and Schutz, C.: Obituary: George T. Baker, III, *Exper. Gerontol.* 32(3):243-244, 1997.
- Adelman, R.C. Solicited back bookcover quotation. *A HEART OF WISDOM: Making the Jewish Journey from Midlife through the Elder Years*. S. Berrin, ed., Jewish Lights Publishing, Woodstock, Vermont, 1997.
- Adelman, R.C. The NIA Mission and Beyond: Context of Aging-Related Social Impact, *The Gerontologist* 39(4):392-396, 1999.
- Adelman, R.C. Letter to the Editor, 'Science and the Nature of Awe.' *Chemical & Engineering News* 79(30): 4, July 23, 2001.

Adelman, R.C., Cristofalo, V.J., and Masoro, E.J., Obituary: Jay Roberts, Ph.D., The Journals of Gerontology, Biological Sciences, Vol.58A, No. 8, p679, 2003

Adelman, R.C., and Masoro, E.J., In Memoriam: Vincent J. Cristofalo, Ph.D. (1933-2006), Journal of Gerontology: BIOLOGICAL SCIENCES, Vol.61A, No. 6, 639-640, 2006.

Adelman, R., Hayflick, L., Masoro, E., and Sell, C., Vincent J. Cristofalo (1933-2006): Extraordinary Gerontologist, Aging Clin Exp Res, Vol. 18, No. 6, 463-469, December 2006