

July 20 2017
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Birthdate: July 4, 1939
Nationality: U.S.A.

Birthplace: London, England

MAJOR INTEREST: Genomic control of mammalian development and aging

EDUCATION

B.S. Biophysics; Yale University, New Haven, Connecticut; 1961
Ph.D. Cell Biology; Rockefeller University, New York, New York; 1969

APPOINTMENTS

Guest Investigator, Rockefeller University; 1969-1970

1. Assistant Professor of Anatomy, Cornell University Medical College; 1970-1972
2. Assistant Professor of Gerontology and Biological Sciences, USC; 1972-1975
3. Associate Professor of Gerontology and Biological Sciences, USC; 1975-1978
4. Professor of Gerontology and Biological Sciences, USC; 1978-present
5. Adjunct Professor of Neurology and Physiology and Biophysics; 1978-1999
6. Visiting Associate, California Institute of Technology; 1983-1984
7. ARCO and William F. Kieschnick Professor in the Neurobiology of Aging, 1985-
8. University Professor of USC, 1989
9. Professoriates in the Dornsife USC College: Anthropology, Molecular biology, Neurobiology, and Psychology.

SPECIAL GRANT AWARDS

Public Health Service Post-doctoral Fellowship; 1969-1971
P.I., ADRC of LA and Orange Counties (AG-05142); 1983-2003; coPI and coDir, 2003-
P.I., Leadership Award in Alzheimer Disease (AG-07909); 1988-1995

HONORS

- *Gerontological Society of America, Fellow; 1975
- *Robert W. Kleemeier Award of the Gerontological Society of America; 1985
- *Brookdale Foundation Award for Distinguished Contributions to Gerontology through Research in Biology; 1985
- *AAAS, Fellow; 1987
- *Allied-Signal Inc. Award for Achievement in Biomedical Research on Aging; 1988
- *Alzheimer's Association of Los Angeles Research Award; 1989
- *Arthur Cherkin Memorial Award (UCLA); 1991
- *American Aging Association Research Award of the; 1994
- *Sandoz Prize, Premier Award of the International Association of Gerontology; 1995
- *IPSEN Foundation Prize for Research on Longevity (Paris); 1996
- *Institute for Advanced Studies on the Immunology of Aging (IASIA), Leadership Award in Communications; 1996
- *American Federation of Aging Research, Irving Wright Award; 1999
- *American Aging Association, 1999 research Award and Harmon Lecture; 1999
- *Pioneer Award 2004, Alzheimer's Association of Los Angeles County

USC Awards

- USC Associates Award for Creativity in Research, 1985
- Professor of the Year, 2008 Davis School of Gerontology Student Association,
- Phi Kappa Phi USC Faculty Award 2009 for "The Biology of Human Longevity"
- Phi Kappa Phi, inducted as member 2011, USC
- USC Presidential Medallion, April 2012
- Phi Kappa Phi, Lifetime Achievement Award, 2013
- Longevity Prize 2014, Davis School of Gerontology SPECIAL LECTURESHIPS

Invited lectureships

- * Johns Hopkins B University of Maryland Lectureship in Reproductive Biology; Nov. 1987
- * Wellcome Foundation Visiting Professor, Mt. Sinai Medical School; Feb. 1987
- * Kathleen Osborn Memorial Lecturer, U Kansas Medical Center, Dept Physiology; Oct. 1991
- * David B Tyler Memorial Lecturer, U South Florida, Dept Pharmacology; 1992
- * 39th Swarmerdam Lecturer, University of Leiden; June 1992
- * President's Guest Lecturer, American Fertility Society; Dec. 1992
- * Sigiloff Memorial Lecture, Department of Veteran Affairs, Los Angeles; April 1992
- * Sigma Tau Foundation Lectureship, Rome, Italy; Dec 1992
- * Bennett J. Cohen Memorial Lecturer, Institute of Gerontology, U Michigan; Feb 1993
- * Joslyn Lectureship, University of California, Irvine, Department of Medicine; Feb 1993
- * Wellcome Foundation Visiting Professor, University of Idaho; Feb 1995
- * American Association of Geriatric Psychiatrists, President's Guest Lecturer; June 1996
- * National Institute of Environment and Health Sciences, Distinguished Lecturer; Oct 1999
- * U of Rochester, Plenary Lecture at Killian Schmidt Symposium; Oct 2000
- * Distinguished Speaker, Brookhaven Nat Labs: Puzzles & paradoxes of the aging process; Nov 2001
- * Plenary Speaker, Third Leonard Berg Symposium, Washington University, St. Louis; Feb 8, 2002
- * Plenary Speaker, Gordon Conference in the Biology of Aging, Ventura CA, Jan 15 2003
- * Visiting Distinguished Speaker, Dept Pathology Johns Hopkins School of Medicine, July 2004
- * Robert Kohn Lecturer, Case Western Reserve University, Nov 2005
- * George Maddox Lecturer, Duke University, March 2006.
- * Carl Franklin Lecture, USC, Feb 2007
- * Darwin Lecture, Northwestern University, Feb 2007
- * Hayflick Lecture, University of Alabama, April 2007
- * Walford Lecturer, UCLA, April 2008
- * Visiting Distinguished Professor, Southern Illinois University School of Medicine, April 2009
- * Plenary Lecture, NIH Workshop on Systems Aging, Sante Fe Institute, August 2009
- * Plenary Lecture, Longevity Consortium, La Jolla, Dec 2009.
- * Plenary Lecture, European Congress of Biogerontology, Palermo, Oct 2010
- * Plenary Lecture, 5th Symposium on Engineering Negligible Senescence. Queens' College, Cambridge UK Aug 30 2011
- * Plenary Lecture, DOHAD (Developmental Origins of Adult Health and Disease) Conference, Portland OR, Sept 19, 2011
- * Vincent Cristofalo Lectureship, Wistar Institute, Dec 2013
- * Tulane Center for Aging, Distinguished Lecture in Aging, March 20, 2014
- * Grand Rounds, UCSF Dept Geriatrics, August 18 2015
- * USC Neuroscience Graduate Program Plenary Speaker, September 2016

OTHER MAIN ACTIVITIES

- * Principal Investigator (Founding) and Co-Director, Alzheimer's Disease Research Center Consortium of Los Angeles and Orange Counties (NIA); 1983-present
- * Associate Director for Neurogerontology, Research Institute of the Andrus Gerontology Center; 1984-1989
- * Cell Biology Study Section (NIH); 1975-1978
- * Neuroscience Study Section (NIH); ad hoc 3/80
- * Chairman, Gordon Research Conference on Aging; 1982
- * Committee on Life-Course Perspectives, Social Science Research Council; 1979-1986
- * Advisory Panel, Impact of Technology on Aging, U.S. Congress, Office of Technological Assessment; 1982-1984
- * Technical Committee, White House Conference on Aging; 1981
- * Panel on Reproductive and Developmental Toxicology, Committee on Biological Markers, National Research Council; 1986-1988
- * Membership-Fellowship Comm. Biological Sci. Sect., Gerontology Society of America; 1990-92
- * Program on Successful Aging, MacArthur Foundation; 1984-1996
- * President, Directors of NIA-Alzheimer's Centers; 1988-1990.
- * National Advisory Council on Aging (NACA; "NIA Council"), 1990-1993.
- * Chair, Biological Section, Gerontological Society of America; 1992
- * Scientific Advisory Board, Alzheimer Association (National); 1987-89, 1993-96
- * Initial Review Board of the Scientific Advisory Council, Alzheimer Association; 1997-
- * Steering Committee for German-American Academic Council (GAAC) for German-American Young Scholars Institutes, Social Sciences Research Council; 1995-1999
- * Co-Chair, Committee on Biodemography of Aging, National Research Council; 1995-96
- * Chair, Workshop on Bioindicators of Aging, National Research Council; 1999-2000
- * Board of Scientific Advisors, Foundation for Comparative and Conservation Biology, Rockville MD; 1999-2010
- * The National Academies Keck Futures Initiative Healthspan Steering Committee, 2006-7.
- * Cure Alzheimer Fund (CAF), Scientific Advisory Board, 2011-present.
- * Advancing Biodemography, Steering Committee, National Research Council Committee, 2013-2014.

EDITORIAL BOARDS

Aging Cell, 2001-2006
Annual Review of Aging Research; 1986-1990
Comparative and Evolutionary Neurobiology; 1999-2001
Current Translational Geriatrics and Experimental Gerontology Reports, 2011-
Critical Reviews in Neurobiology; 1996-1999
Growth, Development, and Aging; 1988-2000
Experimental Gerontology; 1998-2006
Experimental Neurology; 1997-2001
Journal of Gerontology; 1978-1988
Journal of Developmental Origins of Health and Disease, 2009-2012
Mechanisms of Aging and Development; 1972-1966, 2000-2001
Metabolic Brain Disease; 1986-1991
Neurobiology of Aging; 1980-2005
Neurodegeneration; 1992-1997
Synapse; 1992-2004
The ScientificWorldJOURNAL, 2009-

SCIENTIFIC SOCIETIES

AAAS (Fellow, 1987)
Endocrine Society
Gerontological Society of America (Fellow, 1975)
Neuroendocrine Society
Psychogeriatric Society
Psychoneuroendocrine Society
Society for Neuroscience
Society for Study of Reproduction

NATIONAL SCIENTIFIC ADVISORY BOARDS

Alzheimer's Disease and Related Disorders Association; 1984-1987
Alliance for Aging Research; 1987-present
American Foundation for Aging Research; 1986-present
John Douglas French Foundation for Alzheimer's Disease; 1984-1987
National Institute on Aging, Council Member; 1987-1990
Advisory Committee to the Director, National Institute of Health; 1987-1990
Task Force on Aging Research (NIH), Scientific Consultant; 1992
Ellison Medical Foundation, Scientific Review Board, 2006-2010
CureAlzheimers Board, 2008-

BOOKS AUTHORED

BOOKS

1. Finch CE (1990) Longevity, Senescence, and the Genome. University of Chicago Press. Second printing, 1994.
2. Ricklefs R, Finch C (1995) Aging: A Natural History. Scientific American Library Series. New York: Freeman Press. Translations: German (Spektrum Akademischer Verlag, 1997); Dutch (Nederlandse uitgave: Natuur and Techniek, 1997); Italian (Zanichelli Editore, 1999); Japanese (Tuttle-More, 1996); Korean (1999).
3. Finch CE, Kirkwood TBL (2000). Chance, Development, and Aging. Oxford U Press.
4. Finch CE (2007) The Biology of Human Longevity: Nutrition, Inflammation, and Aging in the Evolution of Lifespans, Academic Press: San Diego.
hardcover ISBN: 9780123736574; eBook ISBN: 9780080545943
5. Finch CE (2017) Reading Smoke Signals: Global Air Pollution in Aging and Disease, Academic Press: San Diego.

BOOKS EDITED

1. Finch CE, Hayflick L (1977) Handbook of the Biology of Aging. New York: Van Nostrand.
2. Adelman AC, Finch CE, Gibson D (1978) Development of the Rodent as a Model for Aging II. New York: Raven Press.
3. Behnke JA, Finch CE, Moment GB (1978) The Biology of Aging. New York: Plenum Press.
4. Finch CE, Potter DE, Kenny AD (1978) Parkinson's Disease II: Aging and Neuroendocrine Relationships. New York: Plenum Press.
5. Cherkin A, Finch CE, Kharasch N, Makinodan T, Scott FL, Strehler BL (1979) Physiology and Cell Biology of Aging (Aging, Vol. 8). New York: Raven Press.
6. Finch CE, Schneider EL (1985) Handbook of the Biology of Aging. Second Edition. New York: Van Nostrand.
7. Davies P, Finch CE (1987) Molecular Neuropathology of Aging. Banbury Conf Report, No. 27.
8. Finch CE, Davies P (1988) Molecular Biology of Alzheimer's Disease. Banbury Conf Report.
9. Finch CE, Johnson TE (1990) Molecular Biology of Aging. UCLA Symposia on Cellular and Molecular Biology, New Series, Vol. 123. New York: Wiley-Liss.
10. Hazzard DG, Warner HR, Finch CE (1991) NIH Workshop on Alternate Animal Models for Research on Aging (Dec. 1989). Exp Gero 26.
11. Rose MR, Finch CE (1993) Genetics of Aging, Genetica (Special Issue) 91.
12. Rose MR, Finch CE (1994) Genetics in the Evolution of Aging. Amsterdam: Kluwer Academic Publishers.
13. Maddox C, Finch CE, et al. (1995) Encyclopedia of Aging. New York: Springer Pubs.
14. Wachter K, Finch CE (1997) Between Zeus and the Salmon: The Biodemography of Longevity. Washington, D.C.: National Academy of Sciences.
15. Finch CE (1999) Clusterin in Normal Brain Functions and During Neurodegeneration. Austin, TX: Landes Bioscience Publishers.
16. Finch CE, Austad SN (2001) Slowly Aging Organisms. Experimental Gerontology 36: (Special Issue, 4-6).
17. Finch CE, Vaupel J (2002) Cells and Surveys: Should biological measures be included in Social Sciences Research? Washington: National Academy of Sciences.

PUBLICATIONS

1966

Finch CE (1966) Changes in alpha-2 macroglobulin during malaria in the duckling. Proc Soc Exp Biol Med 123:652-565.

1969

1. Finch CE, Foster JR, Mirsky AE (1969) Aging and the regulation of cell activities during exposure to cold. J Gen Physiol 54:690-712.
2. Finch CE, Huberman HS, Mirsky AE (1969) Regulation of tyrosine aminotransferase by endogenous factors in the mouse. J Gen Physiol 54:675-689.
3. Finch CE (1969) Cellular Activities During Aging in Mammals. Ph.D. dissertation, The Rockefeller University, New York. New York: MSS Information Corporation.

1971

538. Finch CE (1971) Comparative biology of senescence: Evolutionary and developmental considerations. In: Animal Models for Biomedical Research IV, p. 47-67. Washington, D.C., National Academy of Science.

1972

6. Paparo A, Finch CE (1972) Catecholamine localization, content, and metabolism in the gill of two lamellibranch mollusks. Comp Gen Pharm 3:53-67.
7. Finch CE (1972) Cellular pacemakers of ageing in mammals. In: Proc 1st Conf on Cell Differentiation, (Nice, France, 1971), (Harris R, Viza D, eds.). Copenhagen, Denmark: Munksgaard, p. 259-262.
8. Finch CE (1972) Enzyme activities, gene function and ageing in mammals (review). Exp Gerontol 7:53-67.

1973

9. Finch CE (1973) Catecholamine metabolism in the brains of ageing male mice. Brain Res 52:261-276.
10. Finch CE (1973) Retardation of hair growth, a phenomenon of senescence in C57BL/6J male mice. J Gerontol 28:13-17.
11. Finch CE, Foster JR (1973) Hematologic and serum electrolyte values of the C57BL/6J male mouse in maturity and senescence. Lab Animal Sci 23:339-349.
12. Mays LL, Borek E, Finch CE (1973) Glycine N-methyltransferase is a regulatory enzyme which increases in ageing animals. Nature 243:411-413.
13. Chaconas G, Finch CE (1973) The effect of ageing on RNA/DNA ratios in brain regions of the C57BL/6J male mouse. J Neurochem 21:1469-1473.
14. Finch CE (1973) Monoamine metabolism in the aging male mouse. In: Development and Aging in the Nervous System (Rockstein M, ed.), p. 192-218. New York: Academic Press.

1974

15. Finch CE, Girgis FG (1974) Enlarged seminal vesicles of senescent C57BL/6J mice. J Gerontol 29:134-138.
16. Gordon SM, Finch CE (1974) An electrophoretic study of protein synthesis in brain regions of senescent male mice. Exp Gerontol 9:269-273.

17. Rizer RL, Orentreich N, Finch CE (1974) Testosterone metabolism in human scalp and beard hair follicles. In: The First Human Hair Symposium (Brown AC, ed.), p. 346-362. Atlanta: Medcom Press.

1975

18. Jonec V, Finch CE (1975) Ageing and dopamine uptake by subcellular fractions of the C57BL/6J male mouse brain. Brain Res 91:197-215.
19. Finch CE, Jonec V, Hody G, Walker JP, Morton-Smith W, Alper A, Dougher GJ (1975) Aging and the passage of L-tyrosine, L-DOPA and insulin into mouse brain slices in vitro. J Gerontol 30:33-40.
20. Hody G, Jonec V, Morton-Smith W, Finch CE (1975) Norepinephrine uptake by the myocardium of the senescent mouse in vitro. J Gerontol 30:275-278.
21. Osterburg HH, Allen JK, Finch CE (1975) The use of ammonium acetate in the precipitation of ribonucleic acid. Biochem J 147:367-368.
22. Nelson FJ, Latham KR, Finch CE (1975) Plasma testosterone levels in C57BL/6J male mice: Effects of age and disease. Acta Endocrinol 80:744-752.
23. Finch CE (1975) Aging and the regulation of hormones: A view in October 1974. In: Explorations on Aging (Adelman RC, et al., eds.), p. 229-238. New York: Plenum Press.
24. Finch CE (1975) Neuroendocrinology of aging: A view of an emerging area. Bioscience 25:645-650.
25. Finch CE (1975) Aging research B some personal thoughts (guest editorial). Human Path 6:1.

1976

26. Latham KR, Finch CE (1976) Hepatic glucocorticoid binders in mature and senescent C57BL/6J male mice. Endocrinology 98:1480-1489.
27. Nelson JF, Holinka CF, Latham KR, Allen JK, Finch CE (1976) Corticosterone binding in cytosols from brain regions of mature and senescent male C57BL/6J mice. Brain Res 115:345-351.
28. Finch CE (1976) The regulation of physiological changes during mammalian aging. Q Rev Biol 51:49-83.
29. Finch CE (1976) Cell differentiation, extrinsic factors and aging. Interdiscipl Topics Gerontol 9:8-15.
30. Finch CE (1976) Endocrine and neural factors of reproductive aging B a speculation. In: Neurobiology of Aging (Terry RD, Gershon S, eds.), p. 335-338. New York: Raven Press.
31. Finch CE (1976) Biological theories of aging. In: Nursing and the Aged (Burnside IM, ed.), p. 92-98. New York: McGraw-Hill.
32. Finch CE (1976) Supracentenarians (book review of The Centenarians of the Andes, by Davies D). BioScience 27:54.

1977

33. Finch CE, Jonec V, Wisner JR Jr, Sinha YN, de Vellis JS, Swerdloff RS (1977) Hormone production by the pituitary and testes of male C57BL/6J mice during aging. Endocrinology 101:1310-1317.
34. Holinka CF, Finch CE (1977) Age-related changes in the decidual response of the C57BL/6J mouse uterus. Biol Repro 16:385-393.
35. Holinka CF, Hetland MD, Finch CE (1977) The response to a single dose of estradiol in the uterus of ovariectomized C57BL/6J mice during aging. Biol Repro 17:262-264.
36. Holinka CF, Hetland MD, Finch CE (1977) The response to a single dose of estradiol in the uterus of ovariectomized C57BL/6J mice during aging. Biol Repro 17:262-264.

37. Finch CE, Flurkey K (1977) The molecular biology of estrogen replacement. Contemp Ob Gyn 9:97-107.
38. Finch CE (1977) Guest editorial (on health status of subjects used in aging research). J Gerontol 32:257.
39. Finch CE (1977) Endocrine and neural factors of reproductive senescence in rodents. In: The Molecular Biology of the Mammalian Genetic Apparatus (Ts'o P, ed.), p. 304-312. New York: Elsevier/N-Holland Biomed Press.
40. Finch CE (1977) Response to comments by HT Blumenthal (editorial response). J Gerontol 32:642.

1978

41. Holinka CF, Finch CE (1978) Dextral bias in the induced decidual response after ovariectomy and in implantation sites in the C57BL/6J mouse uterus. Biol Repro 18:418-420.
42. Holinka CF, Tseng Y-C, Finch CE (1978) Prolonged gestation, elevated preparturitional plasma progesterone and reproductive aging in C57BL/6J mice. Biol Repro 19:807-816.
43. Kaplan BB, Schachter BS, Osterburg HH, deVellis JS, Finch CE (1978) Sequence complexity of polyadenylated RNA obtained from rat brain regions and cultured rat cells of neural origin. Biochemistry 17:5516-5524.
44. Finch CE (1978) Reproductive senescence in rodents: Factors in the decline of fertility and loss of regular estrous cycles. In: The Aging Reproductive System, (Aging, Vol. 4), (Schneider EL, ed.), p. 193-212. New York: Raven Press.
45. Finch CE (1978) Neurochemical and neuroendocrine changes during aging in rodent models. In: Alzheimer's Disease: Senile Dementia and Related Disorders, (Aging, Vol. 7), (Katzman R, et al., eds.), p. 461-468. New York: Raven Press.
46. Finch CE (1978) Endocrine, reproductive, neural functions and drug responses in aging mice. In: Development of the Rodent as a Model System in Aging II (Adelman RC, et al., eds.), p. 45-55. New York: Raven Press.
47. Finch CE (1978) Genotypic influences on female reproductive senescence in rodents. In: Genetics and Aging, (Birth Defects: Original Article Series, Vol. XIV), (Bergsma S, Harrison DE, eds.), 1:335-354. New York: The National Foundation.
48. Finch CE (1978) The brain and aging. In: A New Look at the Biology of Aging (Behnke JA, et al., eds.), p. 301-309. New York: Plenum Press.
49. Finch CE (1978) Age-related changes in brain catecholamines: A synopsis of findings in C57BL/6J mice and other rodent models. In: Parkinson's Disease II: Aging and Neuroendocrine Relationships, (Adv. Exp. Bio. Med., Vol. 113), (Finch CE, et al., eds.), p. 15-39. New York: Plenum Press.

1979

50. Holinka CF, Tseng Y, Finch CE (1979) Reproductive aging in C57BL/6J mice: Plasma progesterone, viable embryos and resorption frequency throughout pregnancy. Biol Repro 20:1201-1211.
51. Holinka CF, Tseng Y-C, Finch CE (1979) Impaired preparturitional rise of plasma estradiol in aging C57BL/6J mice. Biol Repro 21:1009-1013.
52. Masuoka DT, Jonsson G, Finch CE (1979) Aging and unusual catecholamine-containing structures in the mouse brain. Brain Res 169:335-341.
53. Finch CE (1979) Susceptibility of mouse liver DNA to digestion by S1 nuclease: Absence of age-related change. Age 2:45-46.
54. Weber G, Margetan J, Finch CE, Mays LL (1979) Brain transfer ribonucleic acid methyltransferases in young adult and old mice. Exp Gerontol 14:157-160.

55. Finch CE (1979) Neuroendocrine mechanisms and aging. *Fed Proc* 38:178-183.
56. Finch CE (1979) Studies on hormonal regulation of target cell response in the aging C57BL/6J mouse. In: *Physiology and Cell Biology of Aging*, (Aging, Vol. 8), (Cherkin A, et al., eds.), p. 71-86. New York: Raven Press.
57. Finch CE (1979) Perspectives in biomedical research on aging. In: *Aging: Research and Perspective; A Briefing for the Press* (Columbia Journalism Monograph No. 3, Graduate School of Journalism), (Goldstein KK, et al., eds.), p. 19-25. New York: Columbia University.

1980

58. Colman PD, Kaplan BB, Osterburg HH, Finch CE (1980) Brain poly(A) RNA during aging: Stability of yield and sequence complexity in two rat strains. *J Neurochem* 34:335-345.
59. Finch CE (1980) The relationships of aging changes in the basal ganglia to manifestations of Huntington's chorea. *Ann Neurol* 7:406-411.
60. Severson JA, Finch CE (1980) Reduced dopaminergic binding during aging in the rodent striatum. *Brain Res* 192:147-162.
61. Felicio LS, Nelson JF, Finch CE (1980) Spontaneous pituitary tumorigenesis and plasma oestradiol in ageing female C57BL/6J mice. *Exp Gerontol* 15:139-143.
62. Nelson JF, Felicio LS, Finch CE (1980) Ovarian hormones and the etiology of reproductive aging in mice. In: *Aging B Its Chemistry* (Deitz AA, ed.), p. 64-81. Washington, D.C.: The American Association for Clinical Chemistry.
63. Finch CE, Felicio LS, Flurkey K, Gee DM, Mobbs C, Nelson JF, Osterburg HH (1980) Studies on ovarian-hypothalamic-pituitary interactions during reproductive aging in C57BL/6J mice. In: *Brain-Endocrine Interaction, IV: Neuropeptides in Development & Aging*, (Peptides, Vol. 1, Suppl. 1), (Scott D, Sladek JL Jr., eds.), p. 163-175. Fayetteville, New York: ANKHO International Inc.
64. Finch CE (1980) Studies on the biochemistry of the brain during aging. In: *Aging, Cancer and Cell Membranes*, (Advances in Pathobiology, Vol. 7), (Borek C, et al., eds.), p. 210-217. New York: Theime-Stratton.
65. Finch CE (1980) Emergent issues in neurogerontology. In: *Roche Seminars on Aging No. 1, Section 1, The Scientific Aspects*. Nutley, New Jersey: Roche Pharmaceuticals.

1981

66. Severson JA, Randall PK, Finch CE (1981) Genotypic influences on striatal dopaminergic regulation in mice. *Brain Res* 210:201-215.
67. Osterburg HH, Donahue HG, Severson JA, Finch CE (1981) Catecholamine levels and turnover during aging in brain regions of male C57BL/6J mice. *Brain Res* 224:337-352.
68. Randall PK, Severson JA, Finch CE (1981) Aging and the regulation of striatal dopaminergic mechanisms in mice. *J Pharm ExpTherap* 219:695-700.
69. Severson JA, Osterburg HH, Finch CE (1981) Aging and haloperidol-induced dopamine turnover in the nigro-striatal pathway of C57BL/6J mice. *Neurobiol Aging* 2:193-197.
70. Schechter JE, Felicio LS, Nelson JF, Finch CE (1981) Pituitary tumorigenesis in aging female C57BL/6J mice: A light and electron microscopic study. *Anat Rec* 199:423-432.
71. Nelson JF, Felicio LS, Osterburg HH, Finch CE (1981) Altered profiles of estradiol and progesterone associated with prolonged estrous cycles and persistent vaginal cornification in aging C57BL/6J mice. *Biol Repro* 24:784-794.
72. Schipper H, Brawer JR, Nelson JF, Felicio LS, Finch CE (1981) Role of the gonads in the histologic aging of the hypothalamic arcuate nucleus. *Biol Repro* 25:413-419.

73. Gosden RG, Holinka CF, Finch CE (1981) The distribution of fetal mortality in ageing C57BL/6J mice: A statistical analysis. Exp Gerontol 16:172-130.
74. Flurkey K, Gee DM, Finch CE (1981) Age changes in progesterone and its relationship to LH during proestrus in C57BL/6J mice. In: Physiologic Cessation of Ovarian Function (Schwartz NB, Hunzicker-Dunn M, eds.), p. 297-301. New York: Raven Press.
75. Finch CE (1981) Neural and endocrine mechanisms in aging: A synopsis. In: Biological Mechanisms in Aging (Schimke RT, ed.), NIH Pub. No. 81-2194, p. 537-557. Washington, D.C.: USDHSS.
76. Finch CE (1981) Macromolecular biosynthesis in the brain during aging. In: Biological Mechanisms in Aging, (Schimke RT, ed.), NIH Pub. No. 81-2194, p. 604-611. Washington, D.C.: USDHSS.
77. Holinka CF, Finch CE (1981) Efficiency of mating in C57BL/6J female mice as a function of age and previous parity. Exp Gerontol 16:393-398.
78. Finch CE, Marshall FJ, Randall PK (1981) Aging and basal ganglia functions. Ann Rev Gerontol Geriat 2:49-87.
79. Finch CE (1981) Aging and transcription of the rat brain genome. In: Aging: A Challenge to Science and Society, (Biology, Vol. 1), (Danon D, et al., eds.), p. 242-249. Boston: Oxford University Press.

1982

80. Flurkey K, Gee DM, Sinha YN, Wisner JR Jr, Finch CE (1982) Age effects on luteinizing hormone, progesterone and prolactin in proestrous and acyclic C57BL/6J mice. Biol Repro 26:835-846.
81. Nelson JF, Felicio LS, Randall PK, Simms C, Finch CE (1982) A longitudinal study of estrous cyclicity in aging C57BL/6J mice: 1, cycle frequency, length and vaginal cytology. Biol Repro 27:327-339.
82. Severson JA, Marcusson J, Winbald B, Finch CE (1982) Age-correlated loss of dopaminergic binding sites in human basal ganglia. J Neurochem 39:1623-1631.
83. Finch CE, Holinka CF (1982) Aging and uterine growth during implantation in C57BL/6J mice. Exp Gerontol 17:235-241.
84. Finch CE (1982) Rodent models for aging processes in the human brain. In: Alzheimer's Disease: A Report of Progress, (Aging, Vol. 19), (Corkin S, et al., eds.), p. 249-257. New York: Raven Press.
85. Randall PK, Finch CE (1982) Neuroendocrine mechanisms in rodent reproductive aging. In: Behavioral Endocrinology (Nemeroff California, Dunn AJ, eds.), p. 865-892. New York: Academic Press.
86. Kaplan BB, Finch CE (1982) The sequence complexity of brain ribonucleic acids. In: Molecular Approaches to Neurobiology (Brown I, ed.), p. 71-98. New York: Academic Press.
87. Finch CE (1982) The neurobiology of aging (book review of Brain Neurotransmitters and Receptors in Aging and Age-Related Disorders, Papers from a symposium, Houston, Oct. 1980, Enna SJ, et al., eds.). Science 216:49-50.
88. Finch CE (1982) Book review of Neural Regulatory Mechanisms During Aging, Adelman RC, et al. (eds.). EEG 53:347-348.
89. Finch CE, Mobbs CV (1982) Non-lethal measurements involving steroids and neurotransmitters as reflections of physiological aging. In: Biological Markers of Aging (Reff ME, Schneider EL, eds.), p. 19-25. NIH publication. Washington, D.C.: USDHSS.

1983

90. Severson JA, de Vellis JS, Finch CE (1983) (3H)spiperone binding sites in rat primary glial cultures, C6 glioma and B104 neuroblastoma. J Neurosci Res 9:21-26.

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