CURRICULUM VITAE

Mark Barry Moss

7 Camden Place
Cambridge, MA 02138
Birthdate: April 10, 1948
New York, NY

Education

University of Massachusetts, Amherst, MA, 1969, B.S., Psychology
Northeastern University, Boston, MA, 1973, M.A., Psychology
Northeastern University, Boston, MA, 1979, Ph.D., Psychology
(Experimental with Specialization in Neuropsychology)

Postdoctoral Training

1979-1982 Neuroanatomy, Harvard Medical School, Neurology Unit, Beth Israel Hospital, Boston, MA

1982-1983 Neuropsychology, Boston University School of Medicine, Department of Neurology, University Hospital, Boston, MA

Academic and Hospital Appointments

1979-1982 Research Fellow in Neurology, Harvard Medical School and Beth Israel Hospital, Boston, MA

1982-1983 Research Associate in Anatomy, Boston University School of Medicine, Boston, MA

1983-1985 Assistant Research Professor in Anatomy, Boston University School of Medicine, Boston, MA

1983-present Clinical and Research Fellow in Psychiatry, (Psychology) Harvard Medical School and Massachusetts General Hospital, Boston, MA

1985-1988 Assistant Professor in Anatomy and in Neurology (Neuropsychology) Boston University School of Medicine, Boston, MA

1986-present Collaborative Scientist, Division of Neurobiology, Yerkes National Primate Research Center, Emory University, Atlanta, GA

1989-1998 Associate Professor in Anatomy and Neurobiology and in Neurology (Neuropsychology) Boston University School of Medicine, Boston, MA

1998-2001 Interim Chair and Professor, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA

2001-present Professor in Anatomy and Neurobiology, and in Neurology (Neuropsychology), Boston University School of Medicine, Boston, MA

2001-present Chairman, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA

Training Awards

National Science Foundation Predoctoral Training Award, Northeastern University, Department of Psychology, Boston, MA, 1971-1974 (Sponsor: Dr. Helen Mahut)

National Research Service Award, NIH-NINCDS, Harvard Medical School, Neurology Unit, Beth Israel Hospital, Boston, MA, 1979-1982 (Neuronal Plasticity in the Central Nervous System; Sponsor: Dr. Norman Geschwind)

Research and Training Awards

NIH Merit Award - R-37, National Institutes of Health, National Institute on Aging 2000-2010

Carnegie Foundation Partner Department for the Initiative for the Doctorate in Neuroscience 2003-2008

Teaching Awards

2003 Stanley L. Robbins Award for Excellence in Teaching
2004 Thomas Robitscher Faculty Award for Excellence in Pre-Clinical Teaching

Professional Activities

Society Memberships

1980 - Society for Neuroscience

1980 - American Association for the Advancement of Science

1983 - American Psychological Association (Divisions on Aging (20), Neuropsychology (40), and Physiological Psychology (6).

1983 - International Neuropsychological Society

1986 - Massachusetts Neuropsychological Society

1988 - American Aging Association

1989 - American Association of Anatomists

1991 - Memory Disorders Society

1994 - American Heart Association (Divisions on Stroke, Hypertension and Cerebrovascular Disease)

Committee and Board Memberships: Boston University Medical Center (past 3 years)

Institutional Animal Care and Use Committee, Boston University School of Medicine, 1986-2002

Graduate Student Committee, Department of Anatomy and Neurobiology, 1992- present

Deans Committee, Edith Nourse Rogers Memorial Veterans Hospital, Bedford, MA 1998-present.

Executive Committee, Boston University School of Medicine, 1998-present

Founder and Faculty Advisor, Clinical Neuroscience Society, 2000 - present

Advisory Committee to Evaluate the Effects of Educational Pathways on Preclinical Education, 2002.

Interdepartmental Biomedical Program in Neuroscience Steering Committee, 2002 - present

Self-Study Subcommittee on Basic Science Departments for LCME, 2002

Academy of Advisors, Boston University School of Medicine, 2003-present

Co-Director, Program in Neuroscience, Boston University, 2003-present.

Committee and Board Memberships: External

Scientific and Medical Advisory Boards

Medical and Scientific Advisory Committee of the Alzheimer's Disease Association of Eastern Massachusetts, 1984-1992

Scientific and Professional Affairs Committee of the International Neuropsychological Society, 1985-1986.

Advisory Board - Program Project "Fetal Protein Malnutrition and Mental Retardation: Janina R. Galler, Principal Investigator - June 1990 - 1994

President, Massachusetts Neuropsychological Society, 1994-1995

Advisory Board - NIH-NIA, REACH-TLC Program Grant, Diane Mahoney, P.I., Boston University Medical Center, 1996- 1999

President, Pine Hill Cemetery Association (Collaborative of Boston Univ, Sch. Medicine, Harvard Univ. School of Medicine, Tufts Medical School and Univ. of Massachusetts Medical Center), 1999-Present.

External Advisory Committee: NIA-NIH Intramural Program on Caloric Restriction in the Aged Monkey, Poolesville, MD, 1996-1998

Education Committee, Alzheimer's Disease Association of Eastern Massachusetts, 1997-present.

NIH-NIA Steering Committee on Use of Primates in Research, 2001-present

Chairman, NIH-NIA Conference on Executive Function, Bethesda, MD, November , 2002

Boston Society for Neurology and Psychiatry, Executive Board, 2003 – present.

Chairman, Trans-NIH Workshop on Executive Function, New York City, January , 2003

NIH-NIA Working Group on Executive Function, 2004

Scientific Review Committees

Special Review committee, NIH-NIA, Biomarkers of Aging, NIA, 1984

Program Committee - Division 40 (Clinical Neuropsychology), American Psychological Association, 1989

Special Review Committee, NIH-NIMH, Scripps AIDS Center, July 22-25, 1990

Ad-Hoc Reviewer - V.A. Merit Review, Section on Neurobiology, 1990-present

Special Review Committee, NIH-NHLBI, University of Texas, February 24, 1992

Special Review Committee, NIH-NICHD, Center on Retardation, Staten Island, NY, March 4, 1992

Grant Review Panel Member, Alzheimer’s Association, Chicago, IL, 1993-present

Program Committee - International Neuropsychological Association, 1994

Grant Review Committee: University of California Primate Research Center, Davis, CA, 1995

Program Committee - Division 40 (Clinical Neuropsychology), American Psychological Association, 1995

Special Review Committee, NIH -National Center for Research Resources, University of California-Davis, Regional Primate Research Center 1995

National Scientific Advisory Council, American Federation of Aging Research, New York, 1995-present

NIH-NIA ZAGI CCVS, SEP Study Section, 1998

NIH-NIA ZAG1-ZIJ-5 SRC, R03 Study Section, 1999-2002

Reviewer for American Federation on Aging Research, 1999 - present

NIH-NIA ZAG1-SRC T-32, Study Section, 2002-present

NIH-NIA Special Emphasis Panel, Studies in Caloric Restriction, 2002

NIH-NIA ZAG1-ZIJ-6, Clinical Research Loan Repayment Review Committee, 2002-present

Editorial Boards

Associate Editor - Newsletter for Division 40 of the American Psychological Association, 1984-1995

The American Journal of Alzheimer's Disease, 1985-present

InterdisciplinaryTopics in Gerontology, 1996-present

Reviewer for:

American Journal of Alzheimer Research
Amyloid
Behavioral Neuroscience
Cerebral Cortex
Elsevier Press
Experimental Neurology
Guilford Press
Harvard University Press
Journal of Clinical and Experimental Neuropsychology
Journal of Comparative Neurology
Journal of Gerontology
Journal of Neuroscience
Neurobiology of Aging
Psychobiology

Licensure

Licensure- Psychologist-#3324, Health Provider, State of Massachusetts, 1984-present

Clinical Experience

Clinical Neuropsychologist, Boston University Medical Center, 1983-present

Neuropsychologist, Huntington's Disease Center Without Walls, 1985-1986

Member, Geriatric Neurobehavioral Evaluation Unit, Massachusetts General Hospital, 1982-present

Clinical Neuropsychologist, Memory Disorders Clinic, Boston University Medical Center, 1983-present.

Clinical Neuropsychologist, Alzheimer's Disease Center, Boston University School of Medicine, 2000-present

Teaching Experience

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Courses in Introductory, Physiological and Developmental (Aging) Psychology, Department of Psychology, Northeastern University, Boston, MA, 1979-1981

Neurology of Behavior (Section on Memory), Harvard Medical School, Boston, MA, 1981

Human Neuropsychology, Graduate Division, Northeastern University, Boston, MA, 1982-1985

Medical Gross Anatomy, (GMS AN 701) Boston University School of Medicine, Boston, MA, 1983-present

Medical Gross Anatomy, (GMS - AN 701) Section Director, Head and Neck, Boston University School of Medicine, 1992-present

Neuroscience (GMS - MS 703), Lectures on Neuropsychology and Neuronal Plasticity, Boston University School of Medicine, Boston, MA, 1984-present

Neurobiology of Learning and Memory (GMS -AN 702) Boston University School of Medicine, Boston, MA, 1990-present

Neurobiology of Aging (AN 707) Boston University School of Medicine, Boston, MA, 1990-present

Courses Presently Taught

Medical Gross Anatomy (Section Director, Head and Neck)

Medical Neuroscience

Dental Gross Anatomy and Neuroscience

Neurobiology of Aging (Course Co-Manager)

Neurobiology of Learning and Memory (Course Co-Manager)

Student Advisees and Theses Committees:

Graduate Student Advisor - Department of Anatomy and Neurobiology 1992-1996\

Doctoral Students

Kinan Hreib (Co-advisor) 1986-1991
Kenneth Rhodes (Co-advisor) 1988-1991
Lori Beason (Co-advisor) 1989-1994
Greg Cavanagh (Co-advisor) - 1995
Tara Moore (Advisor) - 1996-2000
Anthony Swagerl (Co-advisor) - 1998
Laura Welke (Advisor) - 1999
Elizabeth Jonak (Advisor) - 2001
Jennifer Tobin (Co-Advisor) 2002
Steve Schettler (Advisor) 2004

Masters Students

Matt Weber (Co-advisor) - 1992
Patricia Ronald (Co-advisor) - 1992
Nicholas Lambrou (Co-advisor) - 1992
David Pugliese - (Co-advisor) - 1995
David Lambert - (Co-advisor) - 1995
Scott Albright - (Co-advisor) - 1996
Kristin Kleber - (Co-advisor) – 1999
Amy Hurwitz (Advisor) - 2000
Tanya Greenberg (Co-Advisor) - 2002

MD-PhD Students

Brad Fenton (Co-advisor) 1990-1993
Tim Nicholson (Co-Advisor) - 1993-1996
John Pugh (Co-Advisor) - 1999-present

Postdoctoral Fellows

Richard Saunders (Co-advisor) - 1984-1985
Gene Blatt (Co-advisor) - 1988-1990
Ronald Killiany - (Co-advisor) - 1992-1995
Elizabeth Suki (Co-advisor) - 1997-1999
Patricia Boyle (Co-Advisor) - 2002-2003

Dawn Cisewski (Advisor) - 2003-present
Daniel Roe (Co-Advisor - 2003-present

Medical Students

Medical Student Group Advisor (with Dr. E. Fischer) 1990-1996
Academy of Advisors 2003-present

Research Interests

Neurobiological bases of memory and learning in non-human primate models of aging and age-related disease studied from a multidisciplinary approach. Techniques include cognitive assessment with variety of learning and memory paradigms, neuroimaging (fMRI, DTI, MRS, spectroscopy), assessment of the Blood-Brain Barrier, and markers of neuronal inflammation, injury and degeneration.

Current Research Support

Neural Substrates of Cognitive Decline in Aging
NIH-NIA- Program Project AG00001
Douglas L. Rosene, P.I.
Mark B. Moss, Core B and Project 1 Leader
2/1/-01-1/31/06
Initial funding year (Core B and Project 1): Direct Cost. $310,000

Memory/Executive Systems in Prefrontal and Temporal Cortex
NIH-NIMH – RO1 MH06986
Mark B. Moss, P.I.
03/01/04- 2/28/09
Initial Funding year (Direct Cost): $314,709

Neurobiological Consequences of Hypertension and Age
NIH-NIA/NIHBL MERIT AWARD RO1 AG17609
Mark B. Moss, P.I.
12/1/99 - 11/30/09
Initial funding year (Direct Cost): $236,946

Age-Related Changes of Cognition in Health and Disease
NIH-NIA - Program Project AG04953
Marilyn Albert, P.I.
August 1, 1997 - July 31, 2002
Initial funding year (Direct Cost) $1,181,460

Neuropsychology and Neurobiology of Aging
NIH-NIA – T32 Training Grant
Mark B. Moss, P.I.
7/1/01-6/30/06
Initial funding year (Direct Costs): $245,000

BIBLIOGRAPHY
Mark Barry Moss

Books:

1. Albert, M.S. and Moss, M.B. (Eds.). Geriatric Neuropsychology, Guilford Press, New York, 1988.

Articles and Chapters:

2. Mesulam, M-M., Hegarty, E., Barbas, H., Carson, K.A., Gower, E.C., Knapp, A.G., Moss, M.B. and Mufson, E.J. Additional factors influencing sensitivity in the tetramethyl benzidine method for HRP histochemistry. J. Histochem. Cytochem., 28:1255-1259, 1980.

3. Mahut, H., Moss, M.B. and Zola-Morgan, S. Retention deficits after combined amygdalo-hippocampal, entorhinal or fornix lesions. Neuropsychologia, 19:202-225, 1981.

4. Moss, M.B., Mahut, H. and Zola-Morgan, S. Concurrent discrimination learning of monkeys after hippocampal, entorhinal or fornix lesions. J. Neurosci., 1:227-240, 1981.

5. Mahut, H., Zola-Morgan, S. and Moss, M.B. Recognition memory impairments after selective hippocampal resections in the monkey. J. Neurosci., 2:1214-1229, 1982.

6. Weintraub, S., Mesulam, M-M., Albert, M., Auty, R., Baratz, R., Lo Castro, S., Kapust, L., Moss, M.B., Ransil, B. and Tellers, J. Lecithin in the treatment of Alzheimer's Disease: Report of a dose-ranging study in mildly impaired patients. Archs Neurol., 40:527-528, 1983.

7. Zola-Morgan, S., Dabrowska, J., Moss, M.B. and Mahut, H. Enhanced preference for perceptual change in the monkey after section of the fornix, but not after ablations of the hippocampus. Neuropsychologia, 21:433-454, 1983.

8. Albert, M. and Moss, M.B. The assessment of memory disorders in patients with Alzheimer's disease. In: Neuropsychology of Memory. L. Squire and N. Butters (Eds.), Guilford Press, New York, 1984.

9. Mahut, H. and Moss, M.B. Consolidation of memory: The hippocampus revisited. In: Neuropsychology of Memory. L. Squire and N. Butters (Eds.), Guilford Press, New York, 1984.

10. Moss, M.B. and Rosene, D.L. A fixation-perfusion procedure for the concurrent demonstration of Timm's, HRP and AChE histochemistry. J. Histochem. Cytochem., 32:1113-1116, 1984.

11. Mahut, H. and Moss, M.B. Dissociation of two behavioral functions in the monkey after early hippocampal ablations. In: Brain Plasticity, Learning and Memory. B. Will, P. Schmitt and J. Dalrymple-Alford (Eds.), Plenum Press, New York, 1985.

12. Moss, M.B. and Rosene, D.L. Neural transplantation: A panacea? Neurobiol., Aging, 6:168-169, 1985.

13. Mahut, H. and Moss, M.B. The monkey and the seahorse. In: The Hippocampus. R. Isaacson and K. Pribram (Eds.), Plenum Press, New York, 1986.

14. Moss, M.B., Albert, M.S., Butters, N. and Payne, M. Differential patterns of memory loss among patients with Alzheimer's Disease, Huntington's Disease and Alcoholic Korsakoff's syndrome. Archs Neurol., 43:239-246, 1986.

15. Butters, N., Salmon, D.P., Cullum, C.M., Cairns, P., Troster, M.S., Jacobs, B.A., Moss, M.B. and Cermak, L.S. Differentiation of amnesic and demented patients with the Wechsler Memory Scale - Revised. Clin. Neuropsychol., 2:133-148, 1988.

16. Hreib, K.K., Rosene, D.L. and Moss, M.B. Basal forebrain efferents to the medial dorsal thalamic nucleus in the rhesus monkey. J. Comp. Neurol., 277:365-390, 1988.

17. Moss, M.B. Research in Alzheimer's Disease: A progress report. The American Journal of Alzheimer's Care and Related Disorders and Research, 3:10-16, 1988.

18. Moss, M.B. and Albert, M.S. Future directions in the study of aging. In: Geriatric Neuropsychology. M.S. Albert and M.B. Moss (Eds.), Guilford Press, New York, 293-302, 1988.

19. Moss, M.B. and Albert, M.S. Neuropsychology of Alzheimer's disease and related disorders. In: Geriatric Neuropsychology, M.S. Albert and M.B. Moss, (Eds.), Guilford Press, New York, 145-172, 1988.

20. Moss, M.B., Rosene, D.L. and Peters, A. Effects of aging on visual recognition memory in the rhesus monkey. Neurobiol., Aging, 9:495-502, 1988.

21. Prusty, S., Kemper, T., Moss, M.B. and Hollander, W. Occurrence of stroke in a primate model of cerebrovascular disease. Stroke, 19:84-90, 1988.

22. Albert, M.S., Moss, M.B. and Milberg, W. Memory testing to improve the differential diagnosis of Alzheimer's Disease. In: Alzheimer's Disease and Related Disorders. K. Iqbal, H.M. Wisniewski and B. Winblad (Eds.), Alan R. Liss, New York, 1989.

23. Moss, M.B., Saint-Hilaire, M., Feldman, R.G., Valeri, R.V. Major-Theran, C. and Durso, R. Spontaneously occurring Parkinson's Disease in a non-human primate. Neurology, 30:297, 1991.

24. Albert, M. and Moss, M.B. The assessment of memory disorders in patients with Alzheimer's Disease. In: Neuropsychology of Memory. L. Squire and N. Butters (Eds.), Guilford Press, New York, 1992.

25. Au, R, White, R.F., Durso, R. and Moss, M.B. Neuropsychological function in Parkinson's Disease. In: Clinical Syndromes in Neuropsychology: The Practitioner's Handbook. R.F. White (Ed.), Elsevier, Amsterdam, 1992.

26. Diamond, R., White, R.F., Myers, R.H., Mastromauro, C., Koroshetz, W.J., Butters, N., Rothstein, D.M., Moss, M.B. and Vasterling, J. Evidence of presymptomatic cognitive decline in Huntington's Disease. J. Clin. Exptl., Neuropsychol., 6:961-975, 1992.

27. Gendzier, R.D., White, R.F., Myers, R., Koroshetz, W., Butters, N., Vasterling, J., Rothstein, D., Moss, M.B. and Vasterling, J. Evidence of presymptomatic cognitive decline in Huntington's disease. J. Clin. Exptl. Neuropsychol., 14:961-975, 1992.

28. Moss, M.B. and Albert, M.S. Neuropsychology of Alzheimer's disease. In: Clinical Syndromes in Neuropsychology: The Practitioner's Handbook. R.F White (Ed.), Elsevier, Amsterdam, 1992.

29. Moss, M.B., Albert, M.S. and Kemper, T.L. Neuropsychology of frontal lobe dementia. In: Clinical Syndromes in Neuropsychology: The Practitioner's Handbook. R.F. White (Ed.), Elsevier, Amsterdam, 1992.

30. Moss, M.B. and Saint-Hilaire, M. Spontaneously occurring Parkinson's Disease in a non-human primate. APDA Newsletter, 3:10, 1992.

31. Hollander, W., Prusty, S., Kemper, T., Rosene, D.L. and Moss, M.B. The effects of hypertension on cerebral atherosclerosis of the cynomolgous monkey. Stroke, 24:1218-1227, 1993.

32. Killiany, R. and Moss, M.B. Memory function and autism. In: Innovations in Autism. M. Bauman and T. Kemper (Eds.). Johns Hopkins Press, Baltimore, 1993.

33. Killiany, R, Moss, M.B., Albert, M. S. , Sandor, T., Tieman, J. and Jolesz, F. Temporal lobe regions on magnetic resonance imaging identify patients with early Alzheimer's disease. Archs Neurol., 50:949-954, 1993.

34. Moss, M.B. The longitudinal assessment of recognition memory in aged rhesus monkeys. Neurobiol., Aging, 14, 635-636, 1993.

35. Moss, M.B. Memory impairment and microinfarction in monkeys as a result of hypertension but not hypercholesterolemia. Neurosci., Facts, 8:12, 1993.

36. Moss, M.B. and Killiany, R. Neuroanatomical correlates of cognitive function. In: Psychotherapist's Guide to Neuropsychiatric Patients: Diagnostic and Treatment Issues. J. Ellison, C. Weinstein and T. Hodel-Malinofsky, (Eds.), American Psychiatric Press, NY, 1993.

37. Moss, M.B. and Rosene, D.L. Therapeutic effects of nimodipine on age-related memory dysfunction in the monkey. Drugs in Development, 2: 249-261, 1993.

38. White, R.F., Feldman, R.G., Moss, M.B. and Proctor, S.P. Magnetic resonance imaging (MRI), neurobehavioral testing and toxic encephalopathy: Two cases. Environ. Res., 61:117-123, 1993.

39. Sandor, T, Tieman, J, Ong, H.T., Moss, M.B., Jolesz, F. and Albert M. Comparison of the precision of two standardized coordinate systems for the quantification of brain anatomy. Neuroradiology, 7:499-503, 1994.

40. Hyman, B.T., Reiter, J., Moss, M.B., Rosene, D.L. and Pandya, D.N. Extracellular signal-regulated kinase (MAP kinase) immunoreactivity in the rhesus monkey brain. Neurosci. Lettrs., 166:113-116, 1994.

41. Peters, A., Gruia-Leahu, D., Moss, M.B. and McNally, K. The effects of aging on Area 46 of the frontal cortex of the rhesus monkey. Cerebral Cortex, 6:621-635, 1994.

42. Lai, Z, Moss, M.B., Rosene, D.L., Herndon, J. and Killiany, R. Executive system dysfunction in aged monkeys: Spatial and object reversal learning. Neurobiol. Aging, 16:947-954, 1995.

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44. Albert. M.S. and Moss, M.B. Neuropsychology of aging: Findings in humans and monkeys. In: Handbook of the Biology of Aging. E.L. Schneider and J.W. Rowe (Eds.), Academic Press, 217-233, 1996.

45. Peters, A., Rosene, D.L., Moss, M.B., Kemper, T.L., Abraham, C.R., Tigges, J. and Albert, M.S. Neurobiological bases of age-related cognitive decline in the rhesus monkey. J. Neuropath. Exptl. Neurol., 55:861-874, 1996.

46. Herndon, J.G., Moss, M.B., Rosene, D.L. and Killiany, R.J. Patterns of cognitive decline in aged rhesus monkeys. Behav. Brain Res., 87:25-34, 1997.

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49. Moss, M.B., Killiany, R.J., Lai, Z.C., Rosene, D.L. and Herndon, J. Recognition memory span in rhesus monkeys of advanced age. Neurobiol., Aging, 18:13-19, 1997.

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52. Herndon, J.G., Constantinidis, I. and Moss, M.B. Biochemical differences between young and old rhesus monkeys as detected by magnetic resonance spectroscopy. NeruoReport, 9:2127-2130, 1998.

53. Lacreuse, A., Herndon, J.G. and Moss, M.B. Vieillissement des fonctions cognitives chez l'homme et le macaque rhésus (Macaca mulatta). Primatologie, 1:333-377, 1998.

54. Peters, A. Sethares, C. and Moss, M.B. The effects of aging on Layer 1 in area 46 of prefrontal cortex in the rhesus monkey. Cerebral Cortex, 8:671-684, 1998.

55. Albert, M.S. and Moss, M.B. Early features of Alzheimer's disease. In: Cerebral Cortex, Volume 14. Neurodegenerative and Age-Related Changes in Structure and Function of Cerebral Cortex. A. Peters and J. Morrison (Eds.), Plenum Press, New York, 1999.

56. Albert, M.S. and Moss, M.B. Profiles of normal aging. In: Cerebral Cortex. Volume 14. Neurodegenerative and Age-Related Changes in Structure and Function of Cerebral Cortex. A. Peters and J. Morrison (Eds.), Plenum Press, New York, 1999

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58. Kemper, T.L., Moss, M.B., Hollander, W. and Prusty, S. Microinfarction as a result of hypertension in a primate model of cerebrovascular disease. Acta Neuropath, (Berl). 98:295-303, 1999.

59. Lacreuse, A., Herndon, J.G., Killiany, R.J., Rosene, D.L. and M.B. Moss. Spatial cognition in rhesus monkeys: male superiority declines with age. Hormones and Behavior, 36:70-6, 1999.

60 Moss, M.B. A primate model of hypertensive cerebrovascular disease. In: Innovative Animal Models of CNS Diseases: From Molecule to Therapy. D.F. Emerich and E.L. Dean (Eds.), Humana Press, Totowa, New Jersey, 1999.

61. Moss, M.B. Neurobiological basis of cognitive decline in the aged monkey. In: Innovative Animal Models of CNS Diseases: From Molecule to Therapy. D.F. Emerich and E.L. Dean (Eds.), Humana Press, Totowa, New Jersey, 1999.

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66. Killiany, R.J., Gomez-Isla, T., Hyman, B.T., Moss, M.B., Kikinis, R., Jolesz, F. Sandor, T. and Albert, M.S. Use of structural MRI to predict who will get Alzheimer's Disease. Ann. Neurol., 47: 430-439, 2000.

67. Killiany, R.J., Moss, M.B., Rosene, D.I. and Herndon, J. Recognition memory function in early senescent rhesus monkeys. Psychobiology, 28:45-56, 2000.

68. Lacreuse, A., Herndon, J.G. and Moss, M.B. Cognitive function in aged ovariectomized female rhesus monkeys. Behav. Neurosci, 114:506-13, 2000

69. Moss, M.B. Neurobiologic basis of cognitive decline in normal aging and hypertensive cerebrovascular disease. CNS Drug Reviews, 6:5-6, 2000.

70. Peters, A., Moss, M.B. and Sethares, C. The effects of aging on myelinated nerve fibers in monkey primary visual cortex. J Comp Neurol. 419:364-76, 2000.

71. Sloane, J.A., Kemper, T., Moss, M.B., Rosene, D.L. and Abraham, C.R. Astrocytic hypertrophy and altered GFAP degradation with age in subcortical white matter of the rhesus monkey. Brain Res., in press. Brain Res. 862:1-10, 2000.

72. Albert, M.S. and Moss, M.B. Neuropsychological approaches to preclinical identifications of Alzheimer's Disease. In: Neuropsychology of Memory, Third Edition. (L. Squire and D. Schacter, (Eds.), Guilford Press, New York, 2001.

73. Albert, M.S., Moss, M.B., Tanzi, R and Jones, K. Preclinical prediction of AD using neuropsychological tests. J. Int. Neuropsych. Soc., 7:631-639, 2001.

74. Kemper, T.L, Blatt, G.J., Killany, R.J. and Moss, M.B. Neuropathology of progressive cognitive decline in chronically hypertensive monkeys. Acta Neuropath., 101:145-153, 2001.

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Letters:

Killiany, R.J., Moss, M.B. and Albert, M.S. Discriminant analysis of Alzheimer's Disease: In reply. Arch. Neurol., 51:1088-1089, 1994.

Test Protocols:

Delayed Recognition Span Test: Moss, M.B., 1984: A short-term memory task designed to assess recognition span for four different classes of stimuli (verbal, spatial, facial and color) including a delayed recall condition to assess rate of forgetting. The test has been recommended by the HHS Task Force on Alzheimer's Disease (Joint Report of the NINCDS and ADRDA, July, 1984) as part of the neuropsychological test battery for the assessment of Alzheimer's Disease and related disorders and has been adapted for use by the Multicenter Parkinson's Study Group for the assessment of spatial memory in patients with Parkinson's Disease.

Conceptual Set-Shifting Task: Moore, Killiany, Rosene and Moss, 2002: An adaptation of the Wisconsin Card Sort Task to assess executive function in the rhesus monkey. The task uses the same stimuli as those for the WCST and can be administered using a computerized format.

Invited Talks, Symposia and Workshops (for past 3 years)

Alzheimer’s Disease and Related Dementias, The Falls at Cordingly Dam, Harbor Program, Newton, MA, February 25, 2002.

The Brain, Mini-Med School, Boston University School of Medicine, March 30, 2002.

Neuropsychology of Aging and Dementia: Harvard Medical School Division on Aging Geriatric Fellows Summer Seminar Series. Hebrew Rehabilitation Hospital, Boston, MA July 12, 2002.

Neurobiological aspects Alzheimer’s Disease: Clinical and Research Update, “Map Through the Maze”, Annual Workshop of the Alzheimer’s Association, Marlboro, MA, May 15, 2002.

The Aging Brain, Mini-Med School, Boston University School of Medicine, March 30, 2003.

Neuropsychology of Aging and Dementia: Harvard Medical School Division on Aging Geriatric Fellows Summer Seminar Series. Hebrew Rehabilitation Hospital, Boston, MA September 7, 2003.

Emerging Graduate Programs at BUSM, Board of Visitors Annual Meeting, May 2, 2003.

Cognitive Decline in Normal Aging, Annual Workshop of the Alzheimer’s Association, Marlboro, MA, May 12, 2003.

Patterns of Aging: Harvard Medical School Division on Aging Geriatric Fellows Summer Seminar Series. Hebrew Rehabilitation Hospital, Boston, MA, September 9, 2003.

The Aging Brain, Mini-Med School, Boston University School of Medicine, October 26, 2003.

A Primate Model of Aging and Hypertensive Cerebrovascular Disease, Neurology Grand Rounds, Boston University School of Medicine, November, 25, 2003.

Successful and Unsuccessful Aging, Mini-Med School, Boston University School of Medicine, March 30, 2004.

Neuropsychology of Aging and Dementia: Harvard Medical School Division on Aging Geriatric Fellows Summer Seminar Series. Hebrew Rehabilitation Hospital, Boston, MA July 8, 2004.

Aging Without Dementia in Animal Models. Assessing Cognition for Emerging Therapeutics in AD, Johns Hopkins School of Medicine. Baltimore, MD, September 14, 2004