February 2006

CURRICULUM VITAE

PERSONAL DATA

Name: Sid Gilman, M.D., F.R.C.P.

CURRENT POSITION

William J. Herdman Distinguished University Professor of Neurology, Department of Neurology, University of Michigan, and Director, Michigan Alzheimer's Disease Research Center

EDUCATION

High School:	09/1947-06/1950	Huntington Park High School Huntington Park, CA
Undergraduate:	09/1950-06/1953	College of Letters and Science University of California at Los Angeles
	06/1954	Bachelor of Arts
Graduate:	09/1953-06/1957	School of Medicine University of California at Los Angeles
	06/1957	Doctor of Medicine

CLINICAL TRAINING

07/1957-06/1958	Intern in Medicine, University of California Hospital, Los Angeles
07/1960-06/1963	Resident in Neurology, Neurological Unit, Boston City Hospital and Teaching Fellow in Neurology, Harvard Medical School

RESEARCH TRAINING

07/1958-06/1960	Research Associate in Neurophysiology, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda, Maryland
07/1962-06/1965	Research Fellow in Neurology, Harvard Medical School, Neurological Unit, Boston City Hospital

ACADEMIC APPOINTMENTS

07/1965-06/1966	Instructor in Neurology, Harvard Medical School
07/1966-06/1968	Associate in Neurology, Harvard Medical School
04/1968-06/1970	Assistant Professor of Neurology, Columbia University
07/1970-06/1972	Associate Professor of Neurology, Columbia University
07/1972-06/1976	Professor of Neurology, Columbia University
07/1976-06/1977	H. Houston Merritt Professor in Neurology, Columbia University
07/1977-08/1977	H. Houston Merritt Professor in Neurology and Professor of Anatomy, Columbia University
09/1977-03/2004	Professor and Chair, Department of Neurology, University of Michigan

07/1991- Director, Michigan Alzheimer's Disease Research Center

ACADEMIC APPOINTMENTS (continued)

07/1997- William J. Herdman Professor, Department of Neurology, University of Michigan

09/2005- William J. Herdman Distinguished University Professor of Neurology, University of Michigan

HOSPITAL APPOINTMENTS

04/1968-06/1970 Assistant Attending Neurologist, Presbyterian Hospital
07/1970-06/1972 Associate Attending Neurologist, Presbyterian Hospital
07/1972-08/1977 Attending Neurologist, Presbyterian Hospital
09/1977-03/2004 Chief, Neurology Service, University of Michigan Hospitals
04/2004- Attending Neurologist, University of Michigan Hospitals

HOSPITAL CONSULTING APPOINTMENTS

07/1970-06/1974 Attending Neurologist, St. Barnabas Hospital, New York
09/1977- Physician (Consultant), Veterans Administration Hospital Ann Arbor, Michigan
07/1980-06/1984 Adjunct Attending Neurologist, Henry Ford Hospital, Detroit, Michigan

SCIENTIFIC ACTIVITIES

Previous Editorial Board Positions

1972-1976 Editorial Board, *Neurology*
1973-1981 Advisory Board, *Journal of Neuropathology and Experimental Neurology*
1974-1982 Editorial Board, *Applied Neurophysiology*
1980-1997 Editorial Board, *Experimental Neurology*
1981-1987 Editorial Board, *Annals of Neurology*
1982-1994 Editorial Board, *Contemporary Neurology Series* F.A. Davis Company, Publishers
1992-1999 Editorial Board, *Neurobase,* Arbor Publishing Corporation
1994-1998 Editor-in-Chief, *Contemporary Neurology Series* F.A. Davis Company, Publishers
1995-2000 Editor-in-Chief, *Neurology Network Commentary* Churchill Livingstone
1997-2003 Section Editor, Neurology and Psychiatry, *Experimental Neurology* Academic Press
2000-2002 Editor-in-Chief, *Lancet Neurology Network,* The Lancet Publications
1993-2005 Editorial Board, *Neurobiology of Disease*, Elsevier

Current Editorial Board Positions

1990- Editorial Board, *Current Opinion in Neurology*, Lippincott Williams & Wilkins
1992- Editorial Board, *Advances in Neurology*, Lippincott Williams & Wilkins

Current Editorial Board Positions (continued)

1994-	Editorial Board, *Alzheimer Disease & Associated Disorders: An International Journal*, Lippincott Williams & Wilkins
1998-	Editor-in-Chief, *Contemporary Neurology Series,* Oxford University Press
1999-	Editor-in-Chief, *MedLink Neurology*, MedLink Corporation
2000-	Editorial Board, *Clinical Neuroscience Research*, Elsevier Publications
2001-	Editorial Board, *Cerebellum*, Cambridge University Press
2003-	Editor-in-Chief, *Experimental Neurology*, Elsevier
2005-	Editor-in-Chief, *Neurobiology of Disease*, Elsevier

Previous Advisory Committees

1971-1973	Neurological Sciences Research and Training Committee, National Institute of Neurological Diseases and Stroke
1973-1996	Research Advisory Council, United Cerebral Palsy Research and Educational Foundation, Inc.
1976-1984	Professional Advisory Board, Epilepsy Foundation of America
1976-1980	Neurological Disorders Program Project Review B Committee, National Institutes of Health
1978-1982	Professional Advisory Council, United Cerebral Palsy Association of Michigan
1978-1984	Scientific Advisory Council, National ALS Foundation, Inc.
1982-1984	Scientific Programs Advisory Committee, National Institute of Neurological, Communicative Disorders and Stroke, National Institutes of Health
1985-1986	Scientific Advisory Council, Amyotrophic Lateral Sclerosis Association
1986-1987	Michigan Task Force on Alzheimer's Disease and Related Conditions; Chairman, Committee on Epidemiology, Research and Training; Member, Task Force Steering Committee
1986-1989	Research Advisory Committee, National Multiple Sclerosis Society
1986-1992	Appeals Panel, Accreditation Council for Graduate Medical Education
1988-1990	Neurology Intersociety Liaison Committee, Member; Chairman 1989-90
1988-1994	The Michigan Department of Public Health, Chronic Disease Advisory Committee; Chairman, Subcommittee on Dementias
1989-1994	National Coalition for Research and National Foundation for Brain Research, Executive Board Member
1989-1993	Regeneron Pharmaceuticals, Consultant
1990-1994	Decade of the Brain Committee, American Academy of Neurology, Chair
1992-1993	Agency for Health Care Policy and Research; Member, Panel to Develop Guidelines for Screening for Alzheimer’s Disease
1992-1992	National Task Force to Develop a Strategic Plan for the National Institutes of Health; Co-Chair, Cost Management Panel
1994-2000	Michigan Dementia Program, Michigan Department of Community Health, Chair
1994-1997	National Advisory Neurological Disorders and Stroke Council, National Institutes of Health, Member

Previous Advisory Committees (continued)

1995-1997	Council/Board Representatives to Director, National Institutes of Health, Chair
1995-1997	Scientific Advisory Committee, Parkinson Study Group, Member and Chair
1995-1997	Public Policy Committee, American Neurological Association, Member
1998-1999	Institute of Medicine, National Academy of Sciences Committee on the NIH Research Priority-Setting Process, Member
1999-2000	Institute of Medicine, National Academy of Sciences Committee on Building Bridges in the Brain, Behavioral and Clinical Sciences, Member
2000-2004	Merck & Co, Inc. External Scientific Advisory Board, Member
2001-2003	National Institutes of Health Search Committee to select a Director, National Institute of Neurological Disorders and Stroke, Member
2001-2003	Elan/Wyeth Pharmaceuticals, Safety Monitoring Committee, Phase II trials of vaccination for Alzheimer's disease, Chair
2002-2004	American Neurological Association Program Advisory Committee, Member
2001-2005	Institute of Medicine, National Academy of Sciences Board on Neuroscience and Behavioral Health, Vice-Chair
2001-2004	National Institute of Neurological Disorders and Stroke Council Clinical Trials Subcommittee, Member
2002-2005-	National Alzheimer's Disease Coordinating Committee, Steering Committee, Member

Current Advisory Committees

1983-	Peripheral and Central Nervous System Drugs Advisory Committee, Food and Drug Administration (Member, 1983-1985, 1986-1987, and 1990-1993) (Consultant, 1985-1986, 1987-1990, 1993-1995, 1995-1996); (Chair, 1996-2000) Consultant 2000-2010
1986-	Medical and Research Advisory Board, National Ataxia Foundation
1999	PPD Development, Scientific Advisory Board, Member
2000-	INC Research, Scientific Advisory Board, Member
2002-	Gerson Lehrman Group Scientific Advisory Board, Member
2003-	NeuroMolecular Scientific Advisory Board, Member
2003-	Wyeth/Elan, Safety Monitoring Committee, Phase I and II trials of passive immunization for Alzheimer's disease, Chair
2004-	ReNeuron, Scientific Advisory Board, Member
2004-	Science Partners, Member
2005-	Johnson & Johnson, Chair, Independent Data Monitoring Committee for clinical trials, Topiramate Pediatric Epilepsy Program
2005-	Pequot Capital, Scientific Advisory Board, Member
2005-	Wyeth Neuroscience Global Steering Committee, Member

Previous Grant Support

NIH-NINDB F11 NB1002 Special Fellowship, Sid Gilman, 1962-1966
NIH-NINDB K3 NB31105 Research Career Development Award, Sid Gilman, 1966-1968
NIH-NINDB RO1 NB04610 D. Denny-Brown, Principal Investigator 1964-1966; Sid Gilman, Principal Investigator 1966-1968
NIH-NINCDS P50 NS05184 M.D. Yahr, Program Director, Sid Gilman, Principal Investigator, Project 4, 1968-1972
NIH-NINCDS RO1 NS10612 Sid Gilman, Principal Investigator, 1974-1977
NIH-NINCDS RO1 NS11981 Sid Gilman, Principal Investigator, 1974-1977
NIH-NINCDS RO1 NS11307 Sid Gilman, Principal Investigator, 1974-1977
NIH-NINDS PO1 NS19613 Sid Gilman, Program Director and Principal Investigator, Project 1 and Core A, 1984-1994
NIH-NINDS PO1 NS15655 David E. Kuhl, Program Director; Sid Gilman, Principal Investigator, Project 4, 1979-1994
NLM RO1 LM05466 Joel Vilensky, Principal Investigator, Sid Gilman, Co-Principal Investigator, 1993-1995
Lucille P. Markey Charitable Trust, Molecular Biology and Regulation, 1988 to 1997, Sid Gilman and Bernard W. Agranoff, Co-Directors, Sid Gilman, PI, Project 4.
NIH-NIAAA, PO1 AA07378, Robert Zucker, Program Director, Sid Gilman, Principal Investigator, Project 1, 1988-1998.
NIH-NIA, R25 AG11219, Cathleen M Connell, Program Director, Sid Gilman, Co-Director, 1992-1998.
US HHS-PHS HRSA Contract #981846, Dementia Assessment Education Program, Michigan Department of Community Health 10/01/00 to 9/30/01, Sid Gilman, Principal Investigator.
NIH-NINDS, 5 T32 NS07222, Training in Basic and Clinical Neuroscience, 7-1-82 to 6-30-02, Sid Gilman, Program Director.
Michigan Department of Community Health #N002987, Long Term Care Innovations, 10/01/01 to 9/30/04, Sid Gilman, Principal Investigator.
NINDS, 1 RO1 NS33782, Evaluation of the Denny-Brown Research Collection, 01-01-95 to 12-31-04, Joel Vilensky, Principal Investigator, Sid Gilman, Co-Principal Investigator.
NIH-NIA P50 AG08671 Michigan Alzheimer Disease Research Center, 9-29-89 to 5-31-05, Sid Gilman, Program Director, Project 1, Motor Correlates of Dementia, Sid Gilman, Principal Investigator, Core A, Administrative Core, Sid Gilman, Principal Investigator.

Current Grant Support

NIH-NIA P50 AG08671 Michigan Alzheimer's Disease Research Center, 7-1-06 to 6-30-10, Sid Gilman, Program Director, current year $ 1,863,048 (direct costs); Core A, Administrative Core, Sid Gilman, Principal Investigator, current year $98,621 (10% effort); Project 2, Co-Investigator, current year $125,000 (10% effort).
NIH-NINDS, P01 NS15655 PET Study of Biochemistry and Metabolism of the CNS, 7-1-01 to 6-30-06, Kirk A. Frey, Program Director, current year $971,276 (direct costs); Project 3, Neurochemical and Sleep Disorders in Multiple System Atrophy, Sid Gilman, Principal Investigator, current year $76,222 (20% effort).
NIH-U01-AG16976 Alzheimer's Disease Coordinating Center, 7-01-05 to 6-30-10, Sid Gilman, Principal Investigator, current year $18,889 (direct costs) (0% effort).

Current Grant Support (Continued)

NIH-NINDS P01 NS044233 Pathogenesis and Diagnosis of Multiple System Atrophy, 9/30/03 to 6/30/08, Clifford Shults, Program Director, current year $1,798,890 (direct costs); Sid Gilman, Enrolling Site Investigator, Consultant to Core A $28,000 (3% effort).

Cortex Pharmaceuticals, Inc. A Pilot, Randomized, Double-Blind, Three-Way Crossover Study To Assess The Efficacy And Safety Of Single Administrations Of Different Dosage Strengths Of The Ampakine® Compound, Cx717, Versus Placebo On Measures Of Regional Cerebral Blood Flow And Cognitive Function In A Population Of Patients With Alzheimer's Disease And Matched Normal Volunteers, 7/01/05 to 7/01/06, Sid Gilman, Principal Investigator, current year $790,011 (direct costs) (10% effort)

CERTIFICATION AND LICENSURE

1966 American Board of Psychiatry and Neurology
State of Michigan License # 4301038961
State of Maryland License # D02891
State of California License #A018175
State of Massachusetts License #26642
State of New York License #100595

HONORS AND AWARDS

1953	First Place, State of California Gymnastics Tournament, Free Exercise
1954	Tenth Place, NCAA Gymnastics Tournament, Free Exercise
1954	Highest Honors at Graduation, UCLA, Phi Beta Kappa
1957	Highest Honors at Graduation, UCLA School of Medicine, Alpha Omega Alpha
1957-1958	Ambrose and Gladys Bowyer Foundation Fellow in Medicine
1962-1966	Special Fellow, National Institutes of Health
1966-1968	Research Career Development Award, National Institutes of Health
1973	Lucy G. Moses Prize in Basic Neurology
1981	United Cerebral Palsy Weinstein-Goldenson Award for Medical Research for Cerebral Palsy and the Physically Handicapped
1986-1988	President, Michigan Neurological Association
1988-1989	President, American Neurological Association
1992	UCLA Alumni Professional Achievement Award
1992	UCLA Medical Alumni Professional Achievement Award
1995	Member, Institute of Medicine, National Academy of Sciences
1997	Honorary Member, American Neurological Association
1999	Fellow, American Association for the Advancement of Science
2000	Fellow, Royal Society of Medicine
2001	Fellow, Royal College of Physicians
2001	Fellow, American Academy of Arts and Sciences
2002	National Associate, The National Academies (National Academy of Sciences, National Academy of Engineering, Institute of Medicine, National Research Council)

HONORS AND AWARDS (Continued)

2003	Neurology Service, University of Michigan Hospitals, named the Sid Gilman Service
2004	Sid Gilman and Carol Barbour Annual Lecture in Fundamental Neurology established by the Department of Neurology
2004	AB Baker Award for Lifetime Achievement in Neurologic Education (American Academy of Neurology)
2004	Member, Association of American Physicians
2005	William J. Herdman Distinguished University Professor of Neurology, University of Michigan

SPECIAL LECTURES AND VISITING PROFESSORSHIPS

1989	Harvard-Longwood-Brigham and Women's Hospital Visiting Professor, Boston, Massachusetts
1989	Merritt-Putnam Visiting Professor, University of Texas Southwestern Medical Center, Dallas, Texas
1991	G. Milton Shy Visiting Professor, Columbia University, University of Pennsylvania, National Institutes of Health, New York, Philadelphia, Bethesda
1992	Robert Aird Visiting Professor, University of California, San Francisco, California
1993	Vivian L. Smith Visiting Professor, Baylor College of Medicine, Houston, Texas
1994	Robert Wartenberg Lecturer, American Academy of Neurology
1994	Sigma Tau Foundation Lecturer on Aging, Rome, Italy
1996	Ellery Sedgwick, Jr. Visiting Professor, Case Western Reserve University, Cleveland, Ohio
1998	William S. Fields Lecture, University of Texas, Houston, Texas
1999	The Nineteenth T.S. Srinivasan Endowment Lecture, Madras, India
1999	Bernard Rogowsky Lecture, Yale University, New Haven, Connecticut
2001	Henry Russel Lecture, University of Michigan, Ann Arbor, Michigan
2004	John B. Penney Lecture, Massachusetts General Hospital and Harvard Medical School, Boston, Massachusetts

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

American Academy of Neurology (Chair, Decade of the Brain Committee, 1990-1995; Chair, Geriatric Neurology Section, 1994-1996)
American Academy of Arts and Sciences (Fellow 2001)
American Association for the Advancement of Science (Fellow 1998)
American Association of Neuropathologists
American Association of University Professors
American Epilepsy Society
American Neurological Association (Vice President 1981-82 and 1985-1986; President-elect 1987-1988; President 1988-89)
American Physiological Society

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES (Continued**)**

American Society for Clinical Investigation

Association for Research in Nervous and Mental Disease
Association of American Physicians
Fellow, Harvey Society
Institute of Medicine, National Academy of Sciences (Member 1995, National Associate 2002)
International Medical Society of Motor Disturbances (ISMD)
Massachusetts Medical Society
Medical Society of the County of New York
Michigan Neurological Association (President 1986-1988)
Movement Disorder Society
New York Academy of Sciences
Pan American Medical Association
Royal College of Physicians, Fellow
Royal Society of Medicine, Fellow
Sigma Xi (Kappa Chapter)
Society for Cerebral Blood Flow & Metabolism
Society for Neuroscience

TEACHING ACTIVITIES

Clinical Neurology, University of Michigan Medical School, 1977-
Neurology Attending, Department of Neurology, 1977-

LOCAL COMMITTEE AND ADMINISTRATIVE SERVICES

Appointments, Promotions, and Awards Committee, Department of Neurology
Bed and Clinic Utilization Committee, University of Michigan Hospitals
Clinical Chairs' Advisory Council, University of Michigan Medical School
Clinical Council, University of Michigan Hospitals
Clinical Services Committee, Department of Neurology
Dean's Advisory Council, University of Michigan Medical School
Faculty Recruitment Committee, Department of Neurology, University of Michigan
University of Michigan Geriatric Center Steering Committee
University of Michigan Cancer Center Steering Committee
Geriatric Research, Education and Clinical Center, External Review Committee and Advisory Committee
Institute of Gerontology, Executive Board Member
Michigan Alzheimer’s Disease Research Center Executive Committee
MSP Executive Committee, University of Michigan Medical School
Medical Scientist Training Program (MSTP) Policy Committee
Medical Science Research Building III Advisory Committee
Neuroscience Laboratory Building Operations Committee
Positron Emission Tomography/Cyclotron Center Executive Committee
Residency Recruitment Committee, Department of Neurology
Training Grant Executive Committee, Department of Neurology
Ann Arbor Veterans Affairs Medical Center Dean’s Committee

BIBLIOGRAPHY

<u>Completed Publications in Scientific Journals</u>

Peer Reviewed

1. Gernandt BE, Gilman S: Descending vestibular activity and its modulation by proprioceptive, cerebellar, and reticular influences. Exp Neurol 1959;1:274-304.
2. Gernandt BE, Gilman S: Vestibular and propriospinal interactions and protracted spinal inhibition by brain stem activation. J Neurophysiol 1960;23:269-287.
3. Gernandt BE, Gilman S: Interactions of vestibular, pyramidal, and cortically evoked extrapyramidal activities. J Neurophysiol 1960;23:516-533.
4. Gernandt BE, Gilman S: Differential supraspinal control of spinal centers. Exp Neurol 1961;3:307-324.
5. Gilman S, Braverman LE, Starr A, Horenstein S, Tilles JG: Intracranial aneurysm causing panhypopituitarism, blindness, seizures, and dementia. Ann Int Med 1962;57:639-646.
6. Gilman S, MacFadyen DJ, Denny-Brown D: Decerebrate phenomena after carotid amobarbital injection. Arch Neurol 1963;8:662-675.
7. Gilman S, Horenstein S: Familial amyotrophic dystonic paraplegia. Brain 1964;87:51-66.
8. Gilman S: Cerebral disorders after open heart operations. New Eng J Med 1965;272:489-498.
9. Van Der Meulen JP, Gilman S: Recovery of muscle spindle activity in cats after cerebellar ablation. J Neurophysiol 1965;28:943-957.
10. Gilman S, Van Der Meulen JP: Cryogenic decerebration. Arch Neurol 1965;13:297-306.
11. Gilman S, Van Der Meulen JP: Muscle spindle activity in dystonic and spastic monkeys. Arch Neurol 1966;14:553-563.
12. Gilman S, Denny-Brown D: Disorders of movement and behaviour following dorsal column lesions. Brain 1966;89:397-418.
13. Gilman S, McDonald WI: Cerebellar facilitation of muscle spindle activity. J Neurophysiol 1967;30:1494-1512.
14. Gilman S, McDonald WI: Relation of afferent fiber conduction velocity to reactivity of muscle spindle receptors after cerebellectomy. J Neurophysiol 1967;30:1513-1522.
15. McDonald WI, Gilman S: Demyelination and muscle spindle function. Effect of diphtheritic polyneuritis on nerve conduction and muscle spindle function in the cat. Arch Neurol 1968;18:508-519.
16. Gilman S: A crossed cerebellar influence on muscle spindle primaries. Brain Res 1968;8:216-219.
17. Gilman S: Fusimotor fiber responses in the decerebellate cat. Brain Res 1969;14:218-221.
18. Gilman S: The mechanism of cerebellar hypotonia: An experimental study in the monkey. Brain 1969;92:621-638.
19. Ebel HC, Gilman S: Estimation of errors in conduction velocity measurements due to branching of peripheral nerve fibers. Brain Res 1969;16:273-276.
20. Gilman S, Ebel HC: Fusimotor neuron responses to natural stimuli as a function of prestimulus fusimotor activity in decerebellate cats. Brain Res 1970;21:367-384.
21. Gilman S, Marco LA: Effects of medullary pyramidotomy in the monkey. I. Clinical and electromyographic abnormalities. Brain 1971;94:495-514.
22. Gilman S, Marco LA, Ebel HC: Effects of medullary pyramidotomy in the monkey. II. Abnormalities of muscle spindle afferent responses. Brain 1971;94:515-530.
23. Potegal M, Copack P, de Jong JMBV, Krauthamer G, Gilman S: Vestibular input to the caudate nucleus. Exp Neurol 1971;32:448-465.

24. Gilman S, Lieberman JS, Copack P: A thalamic mechanism of postural control. Int J Neurol 1971;8:260-275.
25. Ebel HC, Gilman S, Marco LA: Analysis of neural unit-data: Effect of threshold upon average response frequency. Brain Res 1972;44:265-270.
26. Dafny N, Gilman S: L-DOPA and reserpine: Effects on evoked potentials in basal ganglia of freely moving rats. Brain Res 1973;50:187-191.
27. Marco LA, Copack P, Edelson AM, Gilman S: Intrinsic connections of caudate neurons. I. Locally evoked field potentials and extracellular unitary activity. Brain Res 1973;53:291-305.
28. Gilman S, Barrett RE: Hallervorden-Spatz disease and infantile neuroaxonal dystrophy: Clinical characteristics and nosological considerations. J Neurol Sci 1973;19:189-205.
29. Marco LA, Ebel HC, Sommers D, Gilman S: Abnormalities of muscle spindle afferent responses in congenital feline ataxia. Exp Brain Res 1973;17:111-123.
30. Dafny N, Gilman S: Characterization of single unit activity in hypothalamus and reticular formation recorded with semi- microelectrodes. Brain Res 1973;59:243-255.
31. Dafny N, Phillips MI, Taylor AN, Gilman S: Dose effects of cortisol on single unit activity in hypothalamus, reticular formation, and hippocampus of freely behaving rats correlated with plasma steroid levels. Brain Res 1973;59:257-272.
32. Lieberman JS, Copack PB, Gilman S: Fusimotor effects of cryogenic lesions in ventrolateral nucleus and pulvinar. Arch Neurol 1974;30:375-384.
33. Dafny N, Gilman S: Alteration of evoked potentials in caudate nucleus of freely moving rats by L-DOPA, reserpine, and pentobarbital. Exp Neurol 1974;42:51-64.
34. Gilman S, Lieberman JS, Marco LA: Spinal mechanisms underlying the effects of unilateral ablation of areas 4 and 6 in monkeys. Brain 1974;97:49-64.
35. Dafny N, Gilman S: Monoamine effects on neuronal recovery cycles in globus pallidus, caudate nucleus, and substantia nigra. J Neural Trans 1974;35:275-281.
36. Gilman S, Dauth GW, Tennyson VM, Kremzner LT: Chronic cerebellar stimulation in the monkey: Preliminary observations. Arch Neurol 1975;32:474-477.
37. Copack PB, Felman E, Lieberman JS, Gilman S: Differences in proximal and distal conduction velocities of efferent nerve fibers to the medial gastrocnemius muscle. Brain Res 1975;91:147-150.
38. Tennyson VM, Kremzner LT, Dauth GW, Gilman S: Chronic cerebellar stimulation in the monkey: Electron microscopic and biochemical observations. Neurology 1975;25:650-654.
39. Potegal M, Abraham L, Gilman S, Copack P: A technique for vestibular neurotomy in the rat. Physiol Behav 1975;14:217-221.
40. Dafny N, Dauth G, Gilman S: Differential effects of agents which alter CNS monoamine levels upon acoustic responses in the basal ganglia of freely moving rats. Int J Neurol 1975;10:53-67.
41. Copack PB, Lieberman JS, Gilman S: Alpha motoneuron responses to natural stimuli in decerebellate cats. Brain Res 1975;95:75-87.
42. Dafny N, Dauth G, Gilman S: A direct input from amygdaloid complex to caudate nucleus of the rat. Exp Brain Res 1975;23:203-210.
43. Gilman S, Carr D, Hollenberg J: Kinematic effects of deafferentation and cerebellar ablation. Brain 1976;99:311-330.
44. Dauth GW, Dafny N, Gilman S: Unit responses in hypothalamus and mesencephalic reticular formation to acoustic stimuli and electrical stimulation of ipsi-and contralateral amygdala. Physiol Behav 1976;17:621-629.

45. Hilal SK, Dauth GW, Burger LC, Gilman S: Effect of isotonic intrathecal water soluble contrast agents on electrically evoked cortico-spinal responses and segmental spinal reflexes in the cat. Radiology 1977;122:149-155.
46. Dauth GW, Defendini R, Gilman S, Tennyson VM, Kremzner LT: Long-term surface stimulation of the cerebellum in the monkey. I. Light microscopic, electrophysiologic, and clinical observations. Surg Neurol 1977;7:377-384.
47. Tennyson VM, Kremzner LT, Dauth GW, Defendini R, Gilman S: Long-term surface stimulation of the cerebellum in the monkey. II. Electron microscopic and biochemical observations. Surg Neurol 1977;8:17-29.
48. McKeough DM, Gilman S: Effects of basal ganglia lesions on muscle spindle activity. Int J Neurol 1977;12:73-85.
49. Abraham L, Copack PB, Gilman S: Brain stem pathways for vestibular projections to cerebral cortex in the cat. Exp Neurol 1977;55:436-448.
50. Dauth GW, Dell S, Gilman S: Alteration of Purkinje cell activity from transfolial stimulation of the cerebellum in the cat. Neurology 1978;28:654-660.
51. Hilal SK, Dauth GW, Hess KH, Gilman S: Development and evaluation of a new water soluble iodinated myelographic contrast medium with markedly reduced convulsive effects. Radiology 1978;126:417-422.
52. Salcman M, Defendini R, Correll J, Gilman S: Neuropathological changes in cerebellar biopsies of epileptic patients. Ann Neurol 1978;3:10-19.
53. Lechtenberg R, Gilman S: Speech disorders in cerebellar disease. Ann Neurol 1978;3:285-290.
54. Bromberg MB, Gilman S: Changes in rubral multiunit activity after lesions in the interpositus nucleus of the cat. Brain Res 1978;152:353-357.
55. Blum PS, Abraham LD, Gilman S: Vestibular, auditory, and somatic input to the posterior thalamus of the cat. Exp Brain Res 1979;34:1-9.
56. Blum PS, Gilman S: Vestibular, somatosensory, and auditory input to the thalamus of the cat. Exp Neurol 1979;65:343-354.
57. Blum PS, Day MJ, Carpenter MB, Gilman S: Thalamic components of the ascending vestibular system. Exp Neurol 1979;64:587-603.
58. Bryan RN, Dauth GW, Gilman S, Hilal SK: Effects of radiographic contrast agents on spinal cord physiology. Investigative Radiology 1981;16:234-239.
59. Kornhauser D, Bromberg MB, Gilman S: Effects of lesions of fastigial nucleus on static and dynamic responses of muscle spindle primary afferents in the cat. J Neurophysiol 1982;47:977-986.
60. Dauth GW, Yokoyama T, Gilman S: Responses of fastigial single neural units to transfolial electrical stimulation of the cerebellar cortex of the cat. J Neural Trans Suppl 1983;19:1-12.
61. Young AB, Penney JB, Dauth GW, Bromberg MB, Gilman S: Glutamate or aspartate as a possible neurotransmitter of cerebral corticofugal fibers in the monkey. Neurology 1983;33:1513-1516.
62. Dauth GW, Frey K, Gilman S: A densitometer for quantitative autoradiography. J Neurosci Methods 1983;9:243-251.
63. Gilman S, Dauth GW, Frey KA, Aldridge JW, Penney JB, Jr: Basal ganglia glucose metabolic and single neural unit activity in experimental hemiplegia. Int J Neurol 1984;18:79-93.
64. Dauth GW, Gilman S, Frey KA, Penney JB, Jr: Basal ganglia glucose utilization after recent precentral ablation in the monkey. Ann Neurol 1985;17:431-438.

65. Gebarski SS, Gabrielsen TO, Gilman S, Knake JE, Latack JT, Aisen AM: The initial diagnosis of multiple sclerosis: clinical impact of magnetic resonance scanning. Ann Neurol 1985;17:469-474.
66. Aldrich MS, Alessi AG, Beck RW, Gilman S: Cortical blindness: etiology, diagnosis, and prognosis. Ann Neurol 1987;21:149-158.
67. Foster NL, VanDerSpek AFL, Aldrich MS, Berent S, Hichwa RD, Sackellares JC, Gilman S, Agranoff BW: The effect of diazepam sedation on cerebral glucose metabolism in Alzheimer's disease as measured using positron emission tomography. J Cereb Blood Flow Metab 1987;7:415-420.
68. Gilman S, Dauth GW, Frey KA, Penney JB, Jr: Experimental hemiplegia in the monkey: Basal ganglia glucose metabolic activity during recovery. Ann Neurol 1987;22:370-376.
69. Abou-Khalil BW, Siegel GJ, Sackellares JC, Gilman S, Hichwa RD, Marshall R: Positron emission tomography studies of cerebral glucose metabolism in chronic partial epilepsy. Ann Neurol 1987;22:480-486.
70. Gilman S, Markel DS, Koeppe RA, Junck L, Kluin KJ, Gebarski SS, Hichwa RD: Cerebellar and brainstem hypometabolism in olivopontocerebellar atrophy detected with positron emission tomography. Ann Neurol 1988;23:223-230.
71. Levine SR, Twyman RE, Gilman S: The role of anticoagulation in cavernous sinus thrombosis. Neurology 1988;38:517-522.
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1. Gilman S. Time course and outcome of recovery from stroke: relevance to stem cell treatment. Exp Neurol (In Press) 2006.
2. Gilman S. Pharmacologic management of ischemic stroke: relevance to stem cell therapy. Exp Neurol (In Press) 2006.

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