

## CURRICULUM VITAE

### **PART I: General Information**

**DATE PREPARED:** 4/1/2010  
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**Place of Birth:** New York, New York

### **Education:**

1974 B.A. State University of New York at Stony Brook  
1977 M.A. Wayne State University  
1978 Ph.D. Wayne State University

### **Postdoctoral Training:**

1979-1980 Postdoctoral Fellow, Department of Psychology and Social Relations, Harvard University, Cambridge, MA, Brendan Maher, Ph.D., Supervisor  
1983 Research Fellow in Psychology in the Department of Psychiatry, Harvard Medical School, Boston, MA

### **Licensure and Certification:**

1980- Massachusetts Board of Registration of Psychologists (Lic#2599)  
1994- Diplomate, American Board of Clinical Neuropsychology, American Board of Examiners in Professional Psychology

### **Academic Appointments:**

1983-1995 Assistant Professor of Psychology in the Department of Psychiatry, Harvard Medical School, Boston, MA  
1995- Associate Professor of Psychology in the Department of Psychiatry, Harvard Medical School, Boston MA  
2010- Professor of Psychology in the Department of Psychiatry, Harvard Medical School, Boston MA  
2006-2010 Honorary Professor of Psychology, University of Kent, Sussex

### **Hospital or Affiliated Institution Appointments:**

1979-1980 Clinical Neuropsychologist, VA Outpatient Clinic, Psychology Service, Boston MA  
1980-1984 Clinical Psychologist, Geriatric Research, Education and Clinical Center, VA Outpatient Clinic, Boston, MA  
1981-1984 Research Fellow in Psychology, Department of Psychiatry, Massachusetts General Hospital  
1984-2004 Clinical Associate in Psychology in the Psychiatric Service, Massachusetts General Hospital  
1984-present Clinical/Research Neuropsychologist, Geriatric Research, Education and Clinical

**Major Administrative Responsibilities:**

1. Associate Director for Research, Geriatric Research, Education and Clinical Center, VA Boston Healthcare System
2. Director, Geriatric Neuropsychological Laboratory, VA Boston Healthcare System

**Major Committee Assignments:**

1980-1983	Chairman, Research and Development Committee, VA Outpatient Clinic
1994-1997	Member, Merit Review Board on Mental Health and Behavioral Sciences Department of Veterans Affairs, Washington, D.C.
2000- 2002-2004	Executive Board, Division on Aging, Harvard Medical School, Boston MA Review Committee, Farnsworth Foundation, Boston MA
2002-2004	Review Committee, Harvard Division on Aging Fellowships
2000- 2000- 2004	Ad Hoc Reviewer NIA Special Study Section Member and Ad Hoc Reviewer NINDS (NIH) Member, Merit Review Board on Mental Health and Behavioral Sciences Department of Veterans Affairs, Washington, D.C.
2004- 2005-	NINDS Cognitive Rehabilitation Initiative Working Group (NIH) External Scientific Review Committee for the Heart and Stroke Foundation Centre for Stroke Recovery in Ottawa, Canada
2006-	Ad Hoc Member, Merit Review Board on Mental Health and Behavioral Sciences Department of Veterans Affairs, Washington, D.C.
2006-	Member, Career Development Mental Health and Behavioral Sciences Department of Veterans Affairs, Washington, D.C.

**Professional Societies:**

**Editorial Boards:**

1992-1996	Neuropsychology
2008-	Journal of the International Neuropsychological Society
1982-	Ad Hoc Reviewer for: Brain and Language Brain and Cognition Brain Research Psychology and Aging Psychological Bulletin Speech and Language Aphasiology Neuropsychologia Alzheimer's Disease Society of Canada Journal of International Neuropsychological Society Journal of the American Geriatric Society The Clinical Neuropsychologist Psychological Science Neuropsychology Memory and Language Psychologia Belgica International Journal of Psychopharmacology Frontiers in Neuroscience (On-Line Journal) Journal of Clinical and Experimental Neuropsychology

**Awards and Honors:**

1970-1974	New York State Regents Scholarship
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1974-1975	Wayne State University NIMH-PMS Traineeship
1975-1977	Wayne State University Graduate-Professional Scholarship
1977-1978	Wayne State University Fellowship Award (declined)
1978	Steve Lewis Memorial Research Award, Wayne State University
1978-1979	Teaching Fellow, Boston University School of Medicine, Boston
2006-2010	Honorary Professor, University of Kent, England
2006-	Nominated, Fellow Division 40 (Neuropsychology) APA
2007-	Elected, Fellow Division 40 (Neuropsychology) American Psychological Association
2008-	Edith Kaplan Award, Massachusetts Neuropsychological Society

## **PART II: Research, Teaching and Clinical Contributions**

### **A. Narrative report of Research, Teaching and Clinical**

Beginning in 1979, my research program has focused on the basic problem of the manner in which stroke and dementia impact patients' access to both perceptual and stored representations of information. This work has focused on patients with aphasia, dementia and hemispatial neglect, examining basic cognitive processes involved in the integration of phonological and syntactic linguistic relationships and attention. This work led to a major theoretical paper published in the Journal of the International Neuropsychological Society discussing an important model of semantic memory called the Gain/Decay Hypothesis that has prompted much work in laboratories around the world. The Gain/Decay Hypothesis proposes that simple alterations in the time constant of neural network activation can have significant consequences for cognition. It proposes that an increase in the time constant of activation can be used to account for a wide variety of semantic memory phenomena in patients with Alzheimer's Disease. This model has implications for a number of other disorders. See for example a study in the Journal of Clinical and Experimental Neuropsychology by Arnott, Chenery, Murdoch and Silburn who applied the model to a study of Parkinson's Disease. In the last five years these interests have evolved to focus on the risk factors that contribute to the development of late life cognitive disorders, and studies of methods to treat the attentional disorders of hemispatial neglect. Reflecting this new direction of translational research, my funding includes a five year NIA grant (Claude Pepper Older American Independence Center (OAIC) at Harvard) to study the relationship between cerebrovascular risk and cognitive function in black elders, and a VA Merit Review to study the relationship of cerebrovascular risk on cognition in adults who are at risk for developing Alzheimer's Disease.

I have also continued to build a laboratory of funded doctoral level investigators through my direct support and mentorship which now includes six Ph.D. and M.D. level investigators, two of whom are now completely established as independent investigators (Drs. Kit Brady and Regina McGlinchey); a junior investigator who works as a physician/scientist (Dr. James Rudolph) in the GRECC; another who took a position as faculty of the psychology department University of Kent, England (Dr. David Wilkinson), with whom we continue collaborating closely; another working in the lab on a new NRSA (Dr. Elizabeth Leritz); and another who is working in the lab as a collaborator on two projects (Dr. Laura Grande). Two of our funded VA Merit Reviews were critical components of a Research Enhancement Award Program awarded to my department head, Dr. Robert McCarley, two years ago. I believe that next year our laboratory will be funded by approximately \$1,000,000 in direct costs by all sources. This year I led the effort of my lab to acquire a new center of excellence funded by VA Rehabilitation Research and Development called: Translational Research Center for Traumatic Brain Injury and Stress Disorders of which I am co-principal investigator. The newly awarded center has an annual budget of \$1,000,000 and will be funded through 2014. As well as serving as co-director of the center, I am also the principal investigator of its largest component, Core B: Participant Characterization, with a budget of approximately \$400,000 annually. This project seeks to devise novel treatments for the thousands of veterans of the recent Iraq and Afghanistan conflicts. This initiative was driven by an extreme need for research to deal with what has become a major focus of the Department of Veterans affairs. I was recruited for this effort by the Associate Chief of Staff for Research within my host medical center, VA Boston.

## Teaching and Clinical:

For nearly twenty-five years I have taught a graduate level course in Neuroanatomy/Neuropsychology in the Department of Psychology at Harvard University. About fifteen years ago, I added a second course on Neuropsychological Assessment, and this year have added a third graduate level course entitled "Practicum in Neuropsychology." For the last ten years I have also taught a course entitled "The Brain in Psychology" at the Harvard Extension School. In addition to teaching formal courses I have served as a member of several undergraduate thesis committees for Harvard students, as well as five dissertation committees in the last three years. These include the dissertation committees for two graduate students from the University of Queensland, Australia, whose theses were based on work in my laboratory. I recently mentored Hsuko Kuo, M.D., who very productively worked with me on problems related to cerebrovascular risk and cognition. Dr. Kuo is currently on staff at the National Taiwan University Hospital, Taipei, Taiwan.

I also am responsible for a clinical training program in Geriatric Neuropsychology for pre-doctoral interns in our APA approved clinical internship, and post-doctoral fellows in Geropsychology. I have trained two pre-doctoral and two post-doctoral trainees each year for over fifteen years. Last year the Psychology Service added an additional pre-doctoral trainee in general neuropsychology to my program so we now train three pre-doctoral interns a year. This year the VA awarded us a new two year post-doctoral position in Neuropsychology, making our program one of the largest in the VA system. My trainees have had an excellent track record of post-doctoral training and careers in clinical practice and academics. Past trainees have included Brian Levine, Ph.D., who is now a senior scientist at the Rotman Research Center for Geriatrics in Toronto, and William Stone, Ph.D., who is a Harvard Psychiatry faculty member and Director of Clinical Neuropsychology at the Massachusetts Mental Health Center. My mentorship of promising clinical and research trainees continues. This year each of my post-doctoral fellows, David Zade, Ph.D and Joseph DeGutis, Ph.D, received five year career development awards from the VA merit review system under my mentorship. Also under my mentorship Dr. DeGutis was a recipient of a Harvard Catalyst Award for work on the application of Galvanic Vestibular Stimulation to treatment hemispatial neglect.

This June I was awarded a new center of excellence to study the cognitive neuropsychology and treatment of veterans with TBI and PTSD. I am co-principal investigator of this project (and director of its largest Core) which receives direct costs of \$1,000,000 a year for the next five years (not including investigator salaries which are separately funded). This is a major initiative representing a large scale collaboration among VA Boston and Harvard Medical School affiliates with collaborators at Boston University.

In April of 2003 I received the honor of delivering the "Sheldon Lachman" endowed lecture at Wayne State University in Detroit, MI. For the last three years I have also delivered lectures for the Harvard Medical School review course on Geriatric Medicine, and in 2002 I published a textbook co-authored with Nancy Hebben, Ph.D., entitled "Essentials of Neuropsychological Assessment," which has been adopted by a number of graduate courses in neuropsychology around the United States, and has received positive reviews in an international journal (*Neuropsychological Rehabilitation* (2003) 13,4: 489-494). This year I was appointed Honorary Professor of Psychology at the University of Kent, Sussex, England and was elected a Fellow of Division 40 of the American Psychological Association. This year I also received the Edith Kaplan Award from the Massachusetts Neuropsychological Society for my contributions to clinical neuropsychological test development inspired by the Boston Process Approach. Finally, this spring I was the invited keynote speaker for the annual meeting of the Center for Stroke Recovery held in Toronto, Canada.

## **B. Funding Information**

As Principal Investigator:

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|-----------|--|
| 1988-1996 | NINDS, Principal Investigator of Section, Perceptual Memory in Program Project, Memory Disorders Research Center   |
| 1992-1996 | NINDS, Principal Investigator, Cognitive Processing in Hemispatial Neglect   |
| 1996-2001 | NINDS, Co-principal Investigator of Section, Psycholinguistics, Harold Goodglass Aphasia Research Center, Boston University  |
| 1981-2002 | VA Merit Review Board, Principal Investigator, Cognitive Deficit Identification in Dementia  |
| 1998-2003 | NINDS, Principal Investigator, Cognitive Processing in Hemispatial Neglect   |
| 1999-2004 | VA Merit Review Board, Principal Investigator, Analysis of Semantic Memory Deficits in Alzheimer's Disease   |
| 2001-2007 | NIA, Component Principal Investigator, Cardiovascular Risk and Frontal Systems Impairments in African-Americans (Component), Harvard Older Americans Independence Center (Project) |
| 2003-2008 | VA Merit Review Board, Principal Investigator, Relating Cortical Function to Cerebrovascular and Dementia Risk (renewal under review)  |
| 2005-2008 | VA Merit Review Board, Principal Investigator Noise-Enhanced Galvanic Vestibular Stimulation in Hemispatial Neglect  |
| 2009-2014 | VA Rehabilitation R & D Center of Excellence: Translational Research Center for Traumatic Brain Injury and Stress". Co-PI, and Director of Core B: Participant Characterization    |

As Co-Investigator:

- |           |   |
|-----------|---|
| 2001-2006 | NIH/NIDCD, Mentor to Research Associate, Speech and Language Processing in Aphasia                            |
| 2004-2009 | NIAAA, Co-Investigator, Cognitive Deficits Related to Chronic Alcoholism                                      |
| 2005-2010 | VA Merit Review Board, Co-Investigator, Classical Associative Learning in Male and Female Detoxified Veterans |

## **C. Report of Current Research Activities**

"Translational Research Center for Traumatic Brain Injury and Stress". Co-PI  
Director of Participant Characterization Core"

"Relating Cortical Function to Cerebrovascular and Dementia Risk," Principal Investigator

"Cognitive Processing in Hemispatial Neglect," Principal Investigator

"Cardiovascular Risk Frontal Systems Impairments in African-Americans,"  
Principal Investigator, Project: Harvard Older Americans Independence Center

## **D. Report of Teaching**

### **1. Local Contributions**

a. Hospital/University Courses

- 1979-1980    Personality  
Adjunct Assistant Professor  
Wellesley College, MA  
20 Undergraduates (approximate)  
4 Hours/Week Preparation/Student Contact
- 1984-        Neuroanatomy/Neuropsychology, Neuropsychological Assessment (taught  
alternating years), Psychology Department, Harvard University  
Adjunct Associate Professor  
6-12 Graduate Students/year (range)  
4-8 Hours/Week Preparation/Student Contact
- 1996-        The Brain in Psychology  
Psychology Department  
Harvard University Extension School  
12-15 Graduate Students/year (range)  
4-8 Hours/Week Preparation/Student Contact

b. Local invited teaching presentations

- 1991        Neuropsychological Assessment of Geriatric  
Inpatients, Brockton VA Medical Center  
Invited Lecturer  
10 Inpatient Nurses  
1 Hour/Preparation/Contact Time
- 1991        The Neuropsychology of Neglect, Northeastern University  
Invited Colloquium Lecturer  
10 Graduate/Undergraduates  
1 Hour/Preparation/Contact Time
- 1991        Neuropsychological Assessment, Cambridge Hospital  
Invited Lecturer  
Grand Rounds Geriatric Medicine  
20-30 Attendees  
1 Hour/Preparation/Contact Time
- 1991        Neuropsychological Assessment  
Invited Lecturer  
Geriatric Grand Rounds  
Beth Israel Hospital  
15 Fellows, House Staff  
1 Hour/Preparation/Contact Time
- 1991        Case Presentation  
Lecturer/Attending  
Gerontology Grand Rounds  
Hebrew Rehabilitation Center for the Aged  
10-12 Fellows  
1 Hour/Preparation/Contact Time
- 1991        Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time

- 1991      Lecturer/ Attending Case Presentation  
Gerontology Grand Rounds  
Hebrew Rehabilitation Center for the Aged  
12 Geriatric Fellows  
1 Hour/Preparation/Contact Time
- 1992      Neuropsychology of Aphasia  
Boston University Department of Psychology  
Invited Colloquium Lecturer  
20 Students/ Faculty  
1 Hour/Preparation/Contact Time
- 1992      Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1992      Clinical Diagnosis of Aphasia  
Lecturer  
Massachusetts General Hospital  
6-8 Psychiatry Residents  
1 Hour/Preparation/Contact Time
- 1992      Lecturer/ Attending Case Presentation  
Gerontology Grand Rounds  
Hebrew Rehabilitation Center for the Aged  
12 Geriatric Fellows  
1 Hour/Preparation/Contact Time
- 1992      Normal and Abnormal Cognition in Aging  
West Roxbury VA Inservice Lecture  
Invited Lecturer  
10 Nurse/Nurse Practitioners  
1 Hour/Preparation/Contact Time
- 1992      The Representation of Cortical Functions  
Memory Disorders Research Center Rounds  
Invited Lecturer  
15 Faculty/ Staff  
1 Hour/Preparation/Contact Time
- 1993      Introduction to Mental Status Testing  
Medical Student Lecture, VAMC West Roxbury  
Invited Lecturer  
6 Medical Students  
1 Hour/Preparation/Contact Time
- 1993      Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1993      Neuropsychology of Neglect  
Massachusetts Neuropsychological Society  
Invited Lecturer  
50 Attendees  
1 Hour/Preparation/Contact Time
- 1993      Clinical Diagnosis of Aphasia

- Lecturer  
Massachusetts General Hospital  
6-8 Psychiatry Residents  
1 Hour/Preparation/Contact Time
- 1994 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1994 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact Time
- 1994 Lecturer/ Attending Case Presentation  
Gerontology Grand Rounds  
Hebrew Rehabilitation Center for the Aged  
12 Geriatric Fellows  
1 Hour/Preparation/Contact Time
- 1994 The Assessment of Executive Functions  
Memory Disorders Conference  
Lecturer  
20 Faculty/Staff  
1 Hour/Preparation/Contact Time
- 1994 What is known about normal mental functions in aging?  
HRCA Family Talk/Panel Discussant  
50 Family Members of HRCA Patients  
1 Hour/Preparation/Contact Time
- 1995 Toward the Development of a Theory of Semantic Memory  
Invited Lecturer  
Memory Disorders Research Center Colloquium  
20 Attendees  
1 Hour/Preparation/Contact Time
- 1995 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1995 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact Time
- 1995 Neuropsychology of Hemispatial Neglect  
Invited Colloquium Speaker  
Department of Psychology  
Brandeis University  
50 Attendees  
1 Hour/Preparation/Contact Time
- 1995 Geriatric Neuropsychological Assessment



- Lecturer  
Psychology Service  
VA Medical Center, Brockton  
8 Psychology Interns  
1 Hour/Preparation/Contact Time
- 1996 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1996 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact Time
- 1996 Geriatric Neuropsychology Rounds  
Cambridge Hospital  
2 Attendees  
6 Hours Bimonthly/Preparation/Contact Time
- 1996 Semantic Memory in Alzheimer's Disease  
Invited Lecturer  
Department of Psychology  
Boston University  
30 Attendees  
1 Hour/Preparation/Contact Time
- 1997 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1997 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact
- 1997 Geriatric Neuropsychology Rounds  
Cambridge Hospital  
2 Attendees  
6 Hours Bimonthly/Preparation/Contact Time
- 1998 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time
- 1998 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact Time
- 1998 Geriatric Neuropsychology Rounds  
Cambridge Hospital  
2 Attendees

6 Hours Bimonthly /Preparation/Contact Time

1998 Geriatric Case Conference  
Hebrew Rehabilitation Center for Aged  
10 Geriatric Fellows  
1 Hour/Preparation/Contact Time

1998 Neuropsychological Hemispatial Neglect  
Invited Colloquium Speaker  
Vision Sciences Laboratory, Harvard University  
20 Attendees  
1 Hour/Preparation/Contact Time

1999 Psychologist Attending  
Weekly Neuropsychology Rounds  
6-8 Hospital Staff  
50 Hours/Preparation/Contact Time

1999 Neuropsychological Assessment of Elderly  
Lecturer  
Massachusetts Mental Health Center  
10 Psychology Trainees/Faculty in Psychology  
1 Hour/Preparation/Contact Time

1999 Geriatric Neuropsychology Rounds  
Cambridge Hospital  
2 Attendees  
6 Hours Bimonthly /Preparation/Contact Time

2002 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2002 Dysexecutive versus Amnestic Dementia  
Memory Disorders Research Center  
15 Psychologists  
1 Hour/Preparation/Contact Time

2002 Geriatrics Case Conference  
Hebrew Rehab Home for Aged  
10 Geriatric Fellows and Geriatricians  
1 Hour/Preparation/Contact Time

2002 Is it Time to Revise the Clinical Criteria for Dementia?  
Mass Mental Health Center  
6 Psychology Fellows  
1 Hour/Preparation/Contact Time

2002 Is it Time to Revise the Clinical Criteria for Dementia?  
HRCA  
20 Geriatric Fellows/Physicians  
1 Hour/Preparation/Contact Time

2003 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists

1 Hour/Preparation/Contact Time

2003 Geriatric Neuropsychology  
McLean Hospital  
10 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2003 Geriatric Neuropsychology  
Mass Mental Health Center  
30 Ophthalmologists  
1 Hour/Preparation/Contact Time

2003 Cognitive Psychology of Hemispatial Neglect  
Mass Eye and Ear  
30 Ophthalmologists and Researchers  
1 Hour/Preparation/Contact Time

2004 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2004 Cardiovascular Risk and Cognition  
Beth Israel  
20 Geriatricians/Geriatrics Fellows  
1 Hour/Preparation/Contact Time

2004 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2005 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2005 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2006 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2006 Aphasia Rounds  
Discussant (6-8 Times a Year)  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2007 Aphasia Rounds  
Discussant (6-8 Times a Year)  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists

1 Hour/Preparation/Contact Time

2007 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2007 Neurology Rounds  
MGH  
5 Neurology Fellows  
1 Hour/Preparation/Contact Time

2007 Cardiovascular Risk and Cognition  
Beth Israel  
20 Geriatricians/Geriatrics Fellows  
1 Hour/Preparation/Contact Time

2008 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2008 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2008 Cardiovascular Risk and Cognition  
Beth Israel  
20 Geriatricians/Geriatrics Fellows  
1 Hour/Preparation/Contact Time

2008 Cognitive Assessment Strategies of Geriatricians  
Hebrew Senior Life  
10 Geriatrics Fellows  
1 Hour/Preparation/Contact Time

2009 Geriatric Neuropsychology  
MGH  
15 Psychiatry Fellows  
1 Hour/Preparation/Contact Time

2009 Aphasia Rounds  
Discussant  
Harold Goodglass Aphasia Research Center  
40 Psychologist/Neurologist/Speech Pathologists  
1 Hour/Preparation/Contact Time

2009 Cardiovascular Risk and Cognition  
Beth Israel  
20 Geriatricians/Geriatrics Fellows  
1 Hour/Preparation/Contact Time

2009 Cognitive Assessment Strategies of Geriatricians  
Hebrew Senior Life  
10 Geriatrics Fellows  
1 Hour/Preparation/Contact Time

c. Continuing medical education course

- 1994 Strategies of Cognitive Assessment  
Braintree Hospital Conference, Stroke Survivors: Recovery and Rehabilitation  
Royal Sonesta Hotel, Cambridge, MA  
Invited Lecturer  
30 Attendees  
1 Hour/Preparation/Contact Time
- 1995 Neuropsychological Assessment of Geriatric Patients  
Braintree Conference on Stroke  
Invited Lecturer  
200 Attendees  
1 Hour/Preparation/Contact Time
- 1997 Assessment of the Geriatric Patient  
Invited Lecturer  
Continuing Education Conference  
Royal Sonesta Hotel, Cambridge, MA  
250 Attendees  
1 Hour/Preparation/Contact Time
- 2003 Geriatric Medicine 2003  
Dementia: Treatment  
Physicians & Allied Professionals  
178 Attendees  
1 Hour/Preparation/Contact Time
- 2004 20<sup>th</sup> Annual Review of Geriatric Medicine 2004  
Neuropsychology of Aging  
190 participants  
1 Hour/Preparation/Contact Time
- 2005 21<sup>st</sup> Annual Review of Geriatric Medicine 2005  
Neuropsychology of Aging  
184 participants  
1 Hour/Preparation/Contact Time
- 2006 Speaking Out: National Aphasia Association Conference  
Invited Lecturer  
200 Attendees  
1 Hour/Preparation/Contact Time
- 2006 Treatment of Hemispatial Neglect  
Braintree Conference on Stroke  
Invited Lecturer  
200 Attendees  
1 Hour/Preparation/Contact Time
- 2006 Assessment of Hemispatial Neglect  
ACRM-ASNR Review Course, Chicago, IL  
Invited Lecturer  
50 Attendees  
1 Hour/Preparation/Contact Time

d. Advisory and supervisory responsibilities in clinical or laboratory setting

- 1974-1975 Practicum in Adult Psychological Assessment, Psychology Clinic, Wayne State University, Detroit MI
- 1975-1976 Practicum in Clinical Neuropsychology, Department of Neurology, Harper Hospital, Detroit MI
- 1975-1976 Practicum in Child Psychological Assessment, Royal Oak School District, Royal Oak, MI
- 1975-1976 Traineeship in Clinical Psychology, Psychology Service, Veteran's Administration Medical Center, Allen Park, MI
- 1976-1977 Practicum in Adult Psychotherapy, Psychology Clinic, Wayne State University, Detroit, MI
- 1976-1977 Traineeship in Clinical Neuropsychology, Department of Neurology, Lafayette Clinic, Detroit, MI
- 1977-1978 Assistant Director, Pain Clinic, Department of Psychology, Wayne State University, Detroit, MI
- 1977-1978 Assistant Director, Psychology Clinic, Wayne State University, Detroit, MI
- 1980-1984 Clinical Psychologist, Geriatric Research, Education and Clinical Center, VA Outpatient Clinic, Boston, MA
- 1984- Clinical/Research Neuropsychologist, Geriatric Research, Education and Clinical Center, Brockton/West Roxbury VA Medical Center, West Roxbury, MA
- 1999- Director of Geriatric Neuropsychology Laboratory, Supervise four to five Ph. D. level fellows and investigators, three B.A. level RAs.

e. Teaching leadership role in department/affiliated Institution Medical School

- 1988- Geriatric Psychology Predoctoral Interns  
Director, Neuropsychology Training  
2/year  
2-4 Hours/Week Preparation/Student Contact
- 1991- Hartford/AFAR Geriatric Student Scholar Program (Summer)  
Major Supervisor/Preceptor  
1 Medical Student  
1-2 Hours/Week Preparation/Student Contact
- 1993- Post-Doctoral Fellows in Geropsychology  
Major Supervisor Preceptor  
1-2/year  
2-4 Hours/Week Preparation/Student Contact
- 1993-2003 Geriatric Residents  
Cambridge City Hospital  
Preceptor in the Assessment of Mental Status  
12/year  
1-2 hours/month
- 2005- Clinical Neuropsychology Fellowship  
Director, Neuropsychology Training  
1 biennially  
2-4 Hours/Week Preparation/Student Contact

f. Names of advisees or trainees

1988-1989 Marie Walbridge, Ph.D., Clinical Neuropsychologist, Private Practice  
1988-1989 Marta Berger, Ph.D., Clinical Neuropsychologist, Private Practice  
1989-1990 Brian Levine, Ph.D., Research Scientist, Rotman Institute, Toronto, Canada  
1989-1990 Barbara Corsen, Ph.D., Psychologist, Private Practice  
1990-1991 Carla Hedeem, Ph.D., Neuropsychologist, Private Practice, Atlanta, Georgia  
1990-1991 Scott Messner, Ph.D., (Retired)  
1991-1992 Kevin Carroll, Ph.D., Psychologist, Private Practice  
1992-1993 Mark Esposito, M.D., Professor of Psychology, UC Berkeley  
1992-1993 Jeffrey Kixmiller, Ph.D., Psychologist, Martinez VAMC  
1992-1993 Jeffrey Campodonico, Ph.D., Psychologist, Private Practice  
1992-1993 Susan McGlynn, Ph.D., Psychologist, Private Practice  
1993-1994 Donna Whipple, Ph.D., Psychologist, Private Practice  
1993-1994 David Bullis, Ph.D., Director of Psychology, Nursing Home  
1993-1994 Jenny Moye, Ph.D., Staff Psychologist, Brockton VAMC; Assist. Prof.,  
Harvard Medical School  
1993-1995 Eric Pliem, Ph.D., Psychologist, Private Practice  
1994-1995 Bill Stone, Ph.D., Research Psychologist, Mass Mental Health, Harvard  
Medical School  
1994-1995 Beth Slomine, Ph.D., Clinical Neuropsychologist, Kennedy-Kriser Institute,  
Baltimore, Maryland; Instructor, John Hopkins Medical School,  
Neurodivision  
1994-1996 Kevin Domingos, Ph.D., Staff Psychologist at Hebrew Rehab., Private  
Practice  
1995-1996 Ron Cobb, Ph.D., Post-doctoral, McLean Hospital  
1995-1996 Christine Hom, Ph.D., Staff Psychologist, Kaiser Permanente  
1995-1996 Patricia Weik, Ph.D., Management Consultant, Chicago  
1996-1997 Denise Evert, Ph.D., Assoc. Prof. of Psychology, Skidmore College, Saratoga  
Springs, NY  
1996-1997 Francisco Buchting, Ph.D., Private Practice  
1997-1998 Samantha Smith, Ph.D., Psychologist, NIH  
1997-1998 Christine Caulfield, Ph.D., Psychologist, Florida Nursing Home  
1998-1999 Maria Munoz-Cunio, Ph.D., Staff Psychologist, Beth Israel Hospital  
1998-present Christopher Brady, Ph.D., Clinical Fellow in Psychiatry, Harvard Medical  
School  
1999-2000 Amy Farabaugh, Ph.D., Psychologist, MGH  
1999-2000 Claire McGrath, Ph.D., Staff Psychologist, Hospital of UPENN  
2000-2001 Jeffrey Schnirman, Ph.D., Psychologist, Private Practice  
2000-2001 Raine Riggs, Ph.D., Psychologist, Dartmouth Medical School  
2000-2001 Carol Gallaher, Ph.D., Psychologist, Private Practice  
2001-2002 Mary Johnson, Ph.D., Psychologist, Private Practice  
2001-2002 Laura Grande, Ph.D., Research Fellow, Harvard Medical School  
2001-2002 Mathew Jerram, Ph.D., Fellow, Mass General Hospital  
2002-2003 Melissa Amick, Ph.D., Psychology Fellow, Brown Medical School  
2002-2003 Bonnie Wong, Ph.D., Psychology Fellow, Beth Israel Hospital  
2002-2003 Elizabeth Nasser, Ph.D., Psychologist, Private Practice  
2002-2004 David Wilkinson, Ph.D., Psychologist, Geriatric Neuropsychology  
Laboratory  
2003-2004 Marci Mrykalo, Ph.D., Psychologist, Private Practice  
2003-2004 Elizabeth Leritz, Ph.D., Psychology Fellow, Geriatric Neuropsychology  
Laboratory  
2003-2004 Brandon Ally, Ph.D., Psychology Fellow, Geriatric Neuropsychology  
Laboratory  
2004-2005 Saumya Sharma, Ph.D., Psychology Intern, Geriatric Neuropsychology  
Laboratory  
2004-2005 Margaret Murphy, Ph.D., Psychology Intern, Geriatric Neuropsychology  
Laboratory  
2005-2006 Scott Hayes, MA, Psychology Intern, Geriatric Neuropsychology  
Laboratory

2005-2006 Jasmeet Pannu, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2005-2006 Michael Fearing, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2005-2006 Kristi Zemanak, Ph.D, Psychology Fellow, Geriatric Neuropsychology Laboratory

2005-2006 Erin Winters, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2005-2006 Margaret Budd, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2005-2006 Erin Martin, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2006-2007 John DenBoer, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2006-2007 Fridda Polli, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2006-2007 Yelena Bogdadnova, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2006-2007 Malissa Kraft, Ph.D., Psychology Fellow, Geriatric Neuropsychology Laboratory

2006-2008 David Zade, Ph.D., Neuropsychology Fellow, Geriatric Neuropsychology Laboratory

2007-2008 Joseph DeGutis, Ph.D., Research Fellow, Geriatric Neuropsychology Laboratory

2007-2008 Armin R. Azar, Ph.D., Geriatric Neuropsychology Fellow, Geriatric Neuropsychology Laboratory

2007-2008 Brie Insalaco, Ph.D., Psychology Intern, Geriatric Neuropsychology Laboratory

2007-2008 Patricia Taylor-Cooke, Ph. D., Psychology Intern, Geriatric Neuropsychology Laboratory

2008-2009 Lisa Hankee, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2008-2009 Julie Horwitz, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2008-2009 Karen Sullivan, MA, Psychology Intern, Geriatric Neuropsychology Laboratory

2008-2009 Chris Contardo, Ph.D., Psychology Fellow, Geriatric Neuropsychology Laboratory

2008-2009 Brea Salib, Ph.D., Psychology Fellow, Geriatric Neuropsychology Laboratory

2008-2009 Brie Insalaco, Ph.D., Psychology Fellow, Geriatric Neuropsychology Laboratory

g. Theses

Doctoral Theses:

1999 Emma Bell (University of Queensland)

2001 Wendy Arnott (University of Queensland)

2003 Bernard Chang (Harvard University)

2003 Kelly Giovanello (Boston University)

2004 Eric Peterson (Harvard University)

2008 Laura Phillips (Harvard University)

2009 Kristen Woodberry (Harvard University)

Masters Thesis:

2007 Olga Zubko (Kent University,UK)

Anna Dee Holmes (University of Queensland)

Gary Crompton (Harvard Extension School)



2001 Undergraduate Honors Theses:  
Kwabena Blankson (Harvard University)  
2004 Devon Klatell (Harvard University)

## 2. Regional, national or international contributions

International Invited presentations:

1993 Cognitive Processes in Neglect  
Rotman Research Institute  
Baycrest Medical Center  
Toronto, Canada  
Invited Colloquium Lecturer  
60 Attendees  
1 Hour/Preparation/Contact Time

1994 Issues in the Assessment of Dementia  
The Dementias: Diagnosis and Implications for Management  
Toronto, Canada  
Invited Lecturer  
150 Attendees (Physicians and Psychologists)  
1 Hour/Preparation/Contact Time

2007 Risk and the Concept of Normal Aging  
Invited Honorary Professor Lecture  
University of Kent  
Canterbury, UK  
100 Attendees (Physicians and Psychologists)  
1 Hour/Preparation/Contact Time

2009 Physiological Risk and Cognitive Aging: Brain Organization as a Moving  
Target  
Invited Keynote Address  
Centre for Stroke Recovery  
Toronto, CA  
200 Attendees (Basic and Clinical Scientists)  
1 Hour

National Invited presentations:

1995 Neuropsychology of Neglect  
New York Academy of Sciences  
Invited Colloquium Speaker  
100 Attendees  
1 Hour/Preparation/Contact Time

1997 Assessment of the Geriatric Patient  
Invited Lecturer  
Continuing Education Conference  
Orlando, Florida  
250 Attendees  
1 Hour/Preparation/Contact Time

2003 Sheldon Lachman Lecture  
Cardiovascular Risk and Cognition  
Wayne State University, Detroit MI  
120 Psychologists  
1 Hour/Preparation/Contact Time

- 2007 Exploring Relationships Between Risk Factors, Cognitive and Structural Changes in the Brain  
Bedside to Bench Conference: Thinking, Moving, Feeling  
Sponsored by American Geriatrics Society and NIA  
Bethesda, Maryland  
100 Basic Scientists and Clinicians  
1 Hour/Preparation/Contact Time
- 2008 Risk and the Concept of Normal Aging  
Invited Division 40 Fellows Lecture  
American Psychological Association  
Boston MA  
50 Psychologists and Students  
1 Hour/Preparation/Contact Time

#### **E. Report of Clinical Activities**

1. Neuropsychological assessment of geriatric patients  
1/week
2. Diagnosis and treatment planning for geriatric outpatient and inpatient at VA Boston Healthcare System

#### **PART III: Bibliography**

##### **Original Articles (ALL IN REFEREED JOURNALS):**

1. Milberg WP, Goodglass H, Cummings J, Kaplan E. Case Report: A global sequential processing disorder following injury to the right cerebral hemisphere. *J Clin Neuropsychol.* 1979; 1(3): 213-225.
- 2.
3. Milberg WP, Hebben NA. Termination of self monitoring as a negative reinforcer to increase weight gain in a 77 year-old anorexic male. *Beh. Therapist.* 1979; 2(1): 21-22.
4. Milberg WP, Grieffenstein M, Lewis R, Rourke D. Differentiation of temporal lobe and generalized seizure patients with the WAIS. *J Consulting and Clin Psychol.* 1980; 1: 39-42.
5. Milberg WP, Whitman RD, Rourke D, Glaros A. The role of subvocal motor activity in lateral differences in auditory selective attention and phonetic processing. *J Exp Psychol: Perception and Performance.* 1981; 1: 231-239.
6. Grieffenstein M, Milberg WP, Lewis R. Temporal lobe epilepsy and schizophrenia: Comparison of reaction time deficits. *J Abnormal Psychol.* 1981; 49(2): 105-112.
7. Hebben NA, Benjamins D, Milberg WP. The relationship among handedness, sighting dominance, acuity dominance, and circle drawing in elementary school children. *Cortex.* 1981; 17: 441-446.
8. Milberg WP, Whitman RD. Selective attention and laterality in good and poor readers. *Cortex.* 1981; 17: 571-582.
9. Milberg WP, Blumstein S. Lexical decision and aphasia: Evidence for semantic processing. *Brain and Lang.* 1981; 14: 371-385.
10. Blumstein S, Milberg WP, Shrier R. Semantic processing in aphasia: Evidence from an auditory lexical decision task. *Brain and Lang.* 1982; 17: 301-305.
11. Plude DJ, Milberg WP, Cerella J. Age difference in depicting and perceiving tridimensionality in simple line drawings. *Exp Aging Res.* 1986; 4: 221-225.

12. Cerella J, Plude DJ, Milberg WP. Radial localization in the aged. *Psychol. and Aging*. 1987; 2(1): 52-55.
13. Milberg WP, Blumstein SE, Dworetzky B. Processing of lexical ambiguities in aphasia. *Brain and Lang* 1987; 31: 138-150.
14. Albert MS, Heller HS, Milberg WP. Changes in naming ability with age. *Psychol. and Aging*. 1988; 3: 173-178.
15. Charness N, Milberg WP, Alexander MP. Teaching an amnesic a complex cognitive skill. *Brain and Cog*. 1988; 8: 253-272.
16. Milberg W, Alexander MP, Charness N, McGlinchey-Berroth R, Barrett A. Learning of a complex arithmetic skill in amnesia: Evidence for a dissociation between compilation and production. *Brain and Cog*. 1988; 8: 91-104.
17. Milberg WP. Information processing deficits and aphasia. *Aphasiol*. 1988; 2: 359-362.
18. Milberg WP, Blumstein SE, Dworetzky B. Phonological factors in lexical access: Evidence from an auditory lexical decision task. *Bull of Psychonom Soc*. 1988; 26: 305-308.
19. Milberg WP, Blumstein SE, Dworetzky B. Phonological processing and lexical access in aphasia. *Brain and Lang*. 1988; 34: 279-293.
20. Albert M, Moss M, Milberg WP. Memory testing to improve the differential diagnosis of Alzheimer's disease. *Prog Clin Bio Res*. 1989; 317: 55-69.
21. Milberg WP, Blumstein S. Reaction time methodology and the aphasic patient: A reply to Hagoort (1988). *Brain and Lang*. 1989; 36: 349-353.
22. Milberg WP, Albert MS. Cognitive differences between patients with PSP and Alzheimer's disease. *J Clin and Exp Neuropsychol*. 1989; 11: 605-614.
23. Albert MS, Milberg WP. Semantic processing in patients with Alzheimer's disease. *Brain and Lang*. 1989; 37: 163-171.
24. McGlinchey-Berroth R, Milberg WP, Charness N. Learning of a complex arithmetic skill in dementia: Further evidence for a dissociation between compilation and production. *Cortex*. 1989; 25: 697-705.
25. Milberg WP. Biological constraints on the description of cognitive functions: A silver lining in the cloud? *Aphasiol*. 1989; 3: 741-744.
26. Gabrieli JDE, Milberg WP, Keane M, Corkin S. Intact priming of patterns despite impaired memory. *Neuropsychologia*. 1990; 28(5): 417-427.
27. McGlinchey-Berroth R, Milberg WP. Effects of semantic context and expectancy in a lexical decision and naming task. *Bull Psychonom Soc*. 1992; 30: 421-424.
28. Blumstein S, Milberg WP, Dworetzky B, Rosen A, Gershberg F. Syntactic priming effects in aphasia: An investigation of local syntactic dependencies. *Brain and Language*. 1991; 40: 393-421.
29. Cermak L, Verfaeille M, Milberg WP, Letourneau L, Blackford S. A further analysis of perceptual identification priming in alcoholic Korsakoff's patients. *Neuropsychology*. 1991; 29: 725-736.
30. Verfaeille M, Milberg WP, Cermak L, Letourneau L. Priming of spatial configurations in alcoholic Korsakoff's patients. *Brain and Cog*. 1992; 18: 34-45.
31. McGlinchey-Berroth R, Milberg WP, Verfaellie M, Alexander M, Kilduff PT. Semantic processing in

- the neglected field: Evidence from a lexical decision task. *Cognitive Neuropsychology*. 1993; 10: 79-108.
32. Milberg WP, Blumstein SE, Katz D, Gershberg F. Semantic facilitation in aphasia: Effects of time and expectancy. *Cognitive Neuroscience*. 1995; 7(1): 33-50.
  33. Schacter DL, McGlynn S, Milberg WP. Spared priming despite impaired comprehension: Implicit memory in a case of word meaning deafness. *Neuropsychology*. 1993; 7: 107-118.
  34. D'Esposito M, McGlinchey R, Alexander M, Verfaellie M, Milberg WP. Dissociable cognitive and neural mechanisms of unilateral neglect. *Neurology*. 1993; 43: 2638-2644.
  35. Meneilly GS, Milberg WP, Tuokko, H. Differential effects of human and animal insulin responses to hypoglycemia in elderly patients with NIDDM. *Diabetes*. 1995; 44: 272-277.
  36. Verfaellie M, Milberg WP, McGlinchey-Berroth R, Grande L. Comparison of cross-field matching and forced-choice identification in hemispatial neglect. *Cognitive Neuropsychology*. 1995; 9: 427-434.
  37. Levine, B, Stuss D, Milberg W. Concept generation: Validation of a clinical test in a normal aging population. *Journal of Clinical and Experimental Neuropsychology*. 1995; 17: 740-758.
  38. Verfaellie M, Croce P, Milberg WP. The role of episodic memory in semantic learning: An examination of vocabulary acquisition in patient with amnesia due to encephalitis amnesic. *Neurocase*. 1995; 1: 291-304.
  39. Mimura M, Goodglass H, Milberg WP. Preserved semantic priming effects in alexia. *Brain and Language*. 1996; 54: 434-446.
  40. Schacter DL, Curran T, Galluccio L, Milberg WP, Bates F. False recognition and the right frontal lobe: A case study. *Neuropsychologia*. 1996; 34: 793-808.
  41. McGlinchey-Berroth R, Milberg WP, Verfaellie M, Grande L, D'Esposito M, Alexander M. Semantic processing and orthographic specificity in hemispatial neglect. *Journal of Cognitive Neuroscience*. 1996; 8: 291-304.
  42. Milberg WP. Issues in the assessment of cognitive function in dementia. *Brain and Cognition*. 1996; 31: 114-132.
  43. Reinitz M, Verfaellie M, Milberg WP. Memory conjunction errors in normal and amnesic subjects. *Journal of Memory and Language*. 1996; 35: 286-299.
  44. McGlinchey-Berroth R, Bullis DP, Milberg WP, Verfaellie M, Alexander M, D'Esposito, M. Assessment of neglect reveals dissociable behavioral but not neuroanatomical subtypes. *Journal of the International Neuropsychological Society*. 1996; 2: 441-451.
  45. Grande L, McGlinchey-Berroth R, Milberg WP, D'Esposito M. Facilitation of unattended semantic information in Alzheimer's disease: Evidence from a selective attention task. *Neuropsychology*. 1996; 10: 475-484.
  46. Mimura M, Verfaellie M, Milberg WP. Auditory repetition priming in a lexical decision task: The effect of lexical status. *Memory and Cognition*. 1997; 25: 819-825.
  47. Levine B, Stuss DT, Milberg WP. Effects of aging on conditional associative learning: Process analyses and comparison with focal frontal lesions. *Neuropsychology*. 1997; 11(3): 367-381.
  48. Levine B, Stuss DT, Milberg WP, Alexander MP, Schwartz M, MacDonald R. The effects of focal and diffuse brain damage on strategy application: Evidence from focal lesions, traumatic brain injury and normal aging. *Journal of the International Neuropsychological Society*. 1998, 4(3): 247-264.

49. Milberg WP, McGlinchey-Berroth R, Duncan KM, Higgins J. Alterations in the dynamics of semantic activation in Alzheimer's disease: Evidence for the gain/decay hypothesis of a disorder of semantic memory. *J. Inter. Neuropsych. Soc.* 1999; 5(7): 641-658.
50. Milberg WP and Blumstein SE. Back to the future: Reclaiming aphasia from cognitive neuroscience. *Brain and Language.* 2000; 71(11): 160-163.
51. Blumstein W and Milberg WP. Neural systems and language processing: Towards a synthetic approach. *Brain and Language.* 2000; 71(1): 26-29.
52. Blumstein W, Milberg WP, Brown T, Hutchinson A, Kurowski K, Burton M. The mapping from sound structure to the lexicon in aphasia: Evidence from rhyme and repetition priming. *Brain and Language.* 2000; 72(2): 75-99.
53. Esterman M, McGlinchey R, Milberg WP. Parallel and serial search in hemispatial neglect: Evidence for preserved preattentive but impaired attentive processing. *Neuropsychology.* 2000; 14: 599-611.
54. Brady CB, Spiro A 3rd, McGlinchey-Berroth R, Milberg W, Gaziano JM. Stroke risk predicts verbal fluency decline in healthy older men: Evidence from the normative aging study. *J Gerontol B Psychol Sci Soc Sci.* 2001; 56(6): 340-346.
55. Shulman M, Alexander MP, McGlinchey-Berroth R, Milberg W. Triangular backgrounds shift the bias of line bisection performance in hemispatial neglect. *Journal of Neurology, Neurosurgery, and Psychiatry.* 2002; 72(1): 68-72.
56. Esterman M, McGlinchey-Berroth R, Alexander MP, Milberg W. Triangular background shifts line bisection performance in hemispatial neglect: The critical point. *Journal of the International Neuropsychological Society.* 2002; 8(5): 721-726.
57. Milberg W, Blumstein S, Giovanello KS, Misiurski C. Summation priming in aphasia: Evidence for alterations in semantic integration and activation. *Brain and Cognition.* 2003; 51(1): 31-47.
58. Esterman M, McGlinchey-Berroth R, Verfaellie M, Grande L, Kilduff P, Milberg W. Aware and unaware perception in hemispatial neglect: Evidence from a stem completion priming task. *Cortex.* 2003; 38: 233-246.
59. Milberg W, McGlinchey R. Taking the thumbs off the multidimensional scales in the debate on semantic memory and Alzheimer's disease: A comment on Storms et al. (2003i) *Neuropsychology* 2003; 17(2): 312-314.
60. Pugh KG, Kiely DK, Milberg WP, Lipsitz LA. Selective impairment of frontal-executive cognitive function in African Americans with cardiovascular risk factors. *Journal of the American Geriatrics Society.* 2003; 51(10): 1439-1444.
61. Evert DL, McGlinchey-Berroth R, Verfaellie M, Milberg WP. Hemispheric asymmetries for selective attention apparent only with increased task demands in healthy participants. *Brain and Cognition.* 2003; 53: 34-41.
62. Kuo, H-K, Jones, RN, Milberg, WP, Tennstedt, S, Talbot, L, Morris, JN, Lipsitz LA. Effect of blood pressure and diabetes mellitus on cognitive and physical function in older adults: A longitudinal analysis of the advanced cognitive training for independent and vital elderly cohort. *J of Am Geriatr Soc.* 2005; 53(7): 1154-61.
63. Kuo H-K, Sorond F, Ilpputaife I, Gagnon M, Milberg W, Lipsitz LA. Effects of blood pressure on cognitive function in the elderly. *Journal of Gerontology Medicine.* 2004; 59A(11): 1191-1194.
64. Kuo HK, Sorond FA, Chen JH, Hashmi A, Milberg WP, Lipsitz LA. The role of homocysteine in multisystem age-related problems: a systematic review. *J Gerontol A Biol Sci Med Sci.* 2005; 60(9): 1190-201.

65. Ko PC, Higgins JA, Kilduff PT, Milberg WP, McGlinchey R. Intact selective attention in Alzheimer's disease on a location priming task. *Neuropsychology*. 2005; 19: 381-389.
66. Wilkinson DT, Ko PC, Kilduff PT, McGlinchey R, Milberg WP. Improvement of a face perception deficit via sub-sensory galvanic vestibular stimulation. *Journal of the International Neuropsychological Society*. 2005; 11: 925-929.
67. Kuo HK, Jones RN, Milberg WP, Tennstedt S, Talbot L, Morris JN, Lipsitz LA. Cognitive function in normal-weight, overweight, and obese older adults: an analysis of the advanced cognitive training for independent and vital elderly cohort. *J Am Geriatr Soc*. 2006; 54(1): 97-103.
68. Rudolph, J, Jones, R, Grande, L, Milberg, W, Green, E, Lipsitz, L, Levkoff, S, Marcantonio, E. Impaired executive function is associated with delirium after CABG surgery. *J Am Geriatr Soc*. 2006; 54(6): 937-941.
69. Munshi M, Grande L, Hayes M, Ayres, D, Suhl, E, Capelson NP, Lin S, Milberg, W, Weinger K. Cognitive dysfunction is associated with poor diabetes control. *Diabetes Care*. 2006; 29(8): 1794-1799.
70. Barrett, A, Buxbaum, L, Coslett B, Heilman K, Hillis, A, Milberg, W, Robertson, I. Cognitive rehabilitation interventions for neglect and related disorders: Moving from bench to bedside in stroke patients. *J. Cognitive Neuroscience*. 2006; 18(7): 1223-1226.
71. Kuo HK, Leveille SG, Bean SF, Yen CJ, Chen JH, Yu YH, Milberg WP. Cognitive Performance, Habitual Gait Speed, and Late-Life Disability in the National Health and Nutrition Examination Survey (NHANES) 1999-2002. *Gerontology*. 2007; 53: 102-110.
72. Ally BA, Waring JD, Beth EH, McKeever JD, Milberg WP, and Budson AE. Aging memory for pictures: Using high-density event-related potentials to understand the effect of aging on the picture superiority effect. *Neuropsychologia*, 2008; 46, 287-297.
73. Wilkinson D, Ko P, McGlinchey G, Milberg W. Impaired search for orientation but not color in hemispatial neglect. *Cortex*, 44, 2008, 68-78.
74. Sorond FA, Serrador J, Schnyer D, Iloputaife L, Vyes M, Gagnon M, Milberg WP, Lipsitz LA. Age-related alterations in cerebrovascular hemodynamics during cognitive tasks. *Functional Transcranial Doppler Ultrasonography*. *Cortex*. 2008 44. 179-184.
75. Wilkinson D, Nicholls, S, Pattenden, C, Kilduff, P, Milberg, W. Galvanic Vestibular Stimulation Speeds Visual Memory Recall. *Experimental Brain Research* (In Press).
76. Leritz, E.C, McGlinchey, RE, Lundgren, K, Grande, LJ, Milberg, W. Using Lexical Familiarity Judgments to Assess Verbally-Mediated Intelligence in Aphasia. *Neuropsychology* 2008,22,6, 687-696
77. Hajar, I, Yang, F, Sorond, F, Jones, R.N, Milberg, W, Cupples, A, Lipsitz, L. A Novel Aging Phenotype Of Slow Gait, Impaired Executive Function And Depressive Symptoms: Relationship To Blood Pressure And Other Cardiovascular risk. *J. of Gerontology: Medical Science*, 2009 (on-line June 17)
78. Wilkinson, D., Wiriadjaja, A., Kilduff, P., McGlinchey, R., Milberg, W. Unilateral damage to the right cerebral hemisphere disrupts the apprehension of whole faces and their component parts. *Neuropsychologia* (In Press)
79. Zade, D.; Beiser, A., McGlinchey, R, Au, R, Seshadri, S., Palumbo, C., Wolf, P.A, DeCarli, C, Milberg, W. Interactive Effects of apoE4 Genotype and Cerebrovascular Risk on Neuropsychological Performance and Structural Brain Changes. *Journal of Stroke and Cerebrovascular Diseases*. *Journal of Stroke and Cerebrovascular Disease* (In Press)
80. Eggermont, L., Milberg, W, Lipsitz, LA, Scherder, EJA, Leveille, SG. The relationship between physical activity and executive function in aging: The MOBILIZE Boston Study. *Journal of the*

American Geriatric Society (In Press)

81. Wilkinson, D., Zubko., DeGutis, J., Milberg, W., Potter, J. Improvement of a Figure Copying Deficit during Sub-Sensory Galvanic Vestibular Stimulation. *Journal of Neuropsychology* (In Press)
82. Leritz, EC, Salat, DH, Milberg WP, Williams VJ, Chapman, CE, Grande LJ, Rudolph, JL, Schnyer, DM, Barber, CE, Lipstiz, L, Fischl, B, McGlinchey RE Variation in Blood Pressure is Associated with White Matter Microstructure but not Cognition in African Americans. *Neuropsychology* (In press)
83. Milberg, WP and McGlinchey, RE. Comment on: Shomstein, Kimchi, Hammer and Behrmann: A Case Study in Methodological Anosagnosia. *Perception and Psychophysics* (In Press).
84. Jones RN, Rudolph JL, Inouye SK, Yang FM, Fong TG, Milberg WP, Tommet D, Metzger ED, Cupples A, Marcantonio ER. Development of a Unidimensional Composite Measure of Neuropsychological Functioning in Older Cardiac Surgery Patients with Good Measurement Precision. *J Clin Exp Neuropsych.* (In Press).

#### **Reviews, Chapters and Editorials:**

1. Whitman RD, Milberg WP, Maher BA. Experimental psychology for clinical psychologists. In: E. Walker (Ed.), *Handbook of Clinical Psychology*. New York: Dow Jones Erwin, 1983.
2. Milberg WP, Whitman RD, Maher BA. Experimental psychopathology. In: E. Walker (Ed.), *Handbook of Clinical Psychology*. New York: Dow Jones Erwin, 1983.
3. Milberg WP, Hebben NA, Kaplan E. The Boston process approach to neuropsychological assessment. In: I. Grant (Ed.), *Neuropsychological Assessment of Neuropsychiatric Disorders*. New York: Oxford University Press, 1986.
4. Milberg WP. Representation, control and interaction: What would a theory of right hemisphere lexical semantics look like. In: C. Chiarello (Ed.) *Right Hemisphere Contributions to Lexical Semantics*. New York: Springer-Verlag, 1988.
5. Milberg WP. Review of Lynch G, McGough JL, and Weinberger NM. (Ed.) (1984) *Neurobiology of learning and memory*. New York: Guilford. *J of Geront.* 1985; 18: 221-223.
6. Milberg WP, Albert M. The speed of constituent mental operations and its relationship to neural representation. In: H. Winegartner, R. Lister (Eds.) *Perspectives in Cog Neuroscience*. New York: Oxford University Press, 1991.
7. McGlinchey-Berroth R, Milberg WP. Representation and processing in Alzheimer's Disease. In J. Cerrela, J. Rybash, W. Hoyer, M.L. Commons (Ed.) *Adult information processing: Limits on loss*. San Diego: Academic Press, 1993.
8. Milberg, WP. Review of: Smith DB, Treiman, DM, Trimble MR (Eds.) *Neurobehavioral Problems in Epilepsy*. New York: Raven Press *Contemporary Psychology*, 1993; 38: 357-358.
9. Milberg, WP. Head Trauma Basics. Review of: Charles J. Long and Leslie K. Ross. *Handbook of head trauma: Acute care to recovery*. New York: Plenum Press. *Contemporary Psychology*, 1993; 38: 1186-1187.
10. Milberg WP, Hebben NA, Kaplan E. The Boston process approach to neuropsychological assessment. In: I. Grant (Ed.), *Neuropsychological Assessment of Neuropsychiatric Disorders* (2nd Edition). New York: Oxford University Press, 1996.
11. Milberg, WP. Nervous Dispositions (Invited Review), *Nature*. 1996; 383(6595): 33.
12. Blumstein, S.E. Milberg W. Language Deficits in Broca's and Wernicke's Aphasics: A Singular Impairment?. In: Y. Grodzinsky, L. Shapiro, D. Swinney (Eds) *Language and the Brain*:

Representation and Processing San Diego: Academic Press, 2000.

13. Milberg, WP. Review of: Contemporary Approaches to Neuropsychological Assessment. *Journal of International Neuropsychological Society*. 1999; 5: 269-270.
14. Milberg W. Review of: Human Neuropsychology. *Biological Psychology*. 2002; 60(1): 75-77.
15. Milberg WP, McGlinchey-Berroth R. Alzheimer's Disease: Cognitive Neuropsychological Aspects In: TE Feinberg and MJ Farah Behavioral Neurology and Neuropsychology 2<sup>nd</sup> Edition New York: McGraw-Hill, 2003.
16. Serrador JM, Milberg WP, Lipsitz LA. Cerebral Hemodynamics in the Elderly. In: Paul RH, Cohen RA, Ott BR and Salloway S, editors. *Vascular Dementia: Cerebrovascular Mechanisms and Clinical Management*. Humana Press, 2004: 75-86.
17. Milberg WP, Hebben N. Historical Antecedents of the Boston Process Approach A. Poreh (Ed) *The Quantified Process Approach*. Swets & Zeitlinger, 2006.
18. Milberg WP, Hebben NA, Kaplan E. The Boston process approach to neuropsychological assessment. In: I. Grant (Ed.), *Neuropsychological Assessment of Neuropsychiatric Disorders (3rd Edition)*. New York: Oxford University Press (2009).
19. Serrador JM, Milberg WP, . Cerebral Hemodynamics in the Elderly. In: Paul RH, Cohen RA, Ott BR and Salloway S, editors. *Vascular Dementia: Cerebrovascular Mechanisms and Clinical Management*, 2nd Edition. In Press
20. Leritz, EC, McGlinchey, RE, Salat, DH, Milberg, WP, *The Aging Brain: An Alternate Perspective on* In: Levine B, (Ed): *Age-Related Changes A Festschrift for Donald Stuss*, New York: Oxford (In Press)
21. Amick, MM, Grande, LJ, Milberg, WP *The Process of Geriatric Neuropsychological Assessment In: Albert, M, Knoefel, J: The Clinical Neurology of Aging 3<sup>rd</sup> Edition*, New York: Oxford (In Press)

**Books:**

1. Hebben, N and Milberg W. *Essentials of Neuropsychological Assessment*, New York: Wiley, 2002.
2. Hebben, N and Milberg, W. *Essentials of Neuropsychological Assessment*, 2<sup>nd</sup> Edition, New York: Wiley, 2009

**Abstracts:**

(Unpublished Data out of a total of 70)

1. Kuo HK, Sorond F, Iloputaife I, Gagnon M, Milberg WP, Lipsitz LA. Effect of blood pressure on cognitive functions in the elderly. *American Geriatric Society Annual Meeting paper presentation and New Investigator Award*, 2004.
2. Grande, L, Milberg, W, Rudolph, J, Nelson, A, Gaziano, M, McGlinchey, R. Brief evaluation of executive function and memory. Poster presented at the Claude D. Pepper Older Americans Independence Centers, 2004 Annual Symposium, Boston, MA, April 2004.
3. Barber, C, Grande, L, Ahlquist, M, Rudolph, J, McGlinchey, R, Milberg, W. An investigation of CVLT clustering scores and executive functions in elderly African-Americans with cerebrovascular risk factors. Poster presented at the 14<sup>th</sup> Annual Scientific Symposium and Poster Session of the Massachusetts Neuropsychological Society, Boston, MA, June 2005.
4. Devine ER, Milberg WP, Serrador JM. Does gravity affect functional cerebral blood flow response? Abstract presented at the International Cerebral Blood Flow Meeting, Amsterdam, June 2005.
5. Munshi M, Grande L, Ayres D, Capelson R, Suhl E, Milberg W, Weinger K. Depression and undiagnosed executive dysfunction are important barriers to optimal diabetes care in older adults.



Abstract presented at the American Diabetes Association 65<sup>th</sup> Scientific Sessions, San Diego CA, June 2005.

6. Grande, L, Barber, C, Ahlquist, M, Rudolph, J, Schnyer, D, McGlinchey, R, Milberg, W, Lipsitz, L. Structural and functional changes in the frontal lobes of elderly African-Americans with cardiovascular disease. Poster presented at the Annual Meeting of the Society for Neuroscience, Washington, D.C., November 2005.
7. Barber, C, Grande, L, Ahlquist, M, Rudolph, J, McGlinchey, R, Milberg, W. The relationship of CVLT clustering scores to memory and executive functions in elderly African-Americans at cardiovascular risk. Poster presented at the 34<sup>th</sup> Annual International Neuropsychological Society Meeting, Boston, MA, February 2006.
8. Grande, L, Barber, C, Ahlquist, M, Rudolph, J, Schnyer, D, McGlinchey, R, Milberg, W, Lipsitz, L. Structural and functional changes in the frontal lobes of elderly African-Americans with cardiovascular disease. Poster session presented at the 34<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA, February 2006.
9. Leritz, E, McGlinchey, R, Grande, L, Lundgren, K, Albert, M, Milberg, W. Using preserved lexical access to estimate premorbid IQ in aphasia. Poster session presented at the 34<sup>th</sup> annual meeting of the International Neuropsychological Society, Boston, MA, February 2006.
10. Leritz, E., Barber, C., Milberg, W., & McGlinchey, R. Source memory and item memory in cerebrovascular and dementia risk. Poster presented at the 35th annual meeting of the International Neuropsychological Society, Portland, Oregon, February 2007.
11. Barber, C., Leritz, E., El-Messidi, L., Milberg, W., & McGlinchey, R. Clustering and switching as underlying components of verbal fluency. Poster presented at the 35th Annual International Neuropsychological Society Meeting, Portland, Oregon, February 2007.
12. El-Messidi, L., Grande, L., Barber, C., McGlinchey, R., & Milberg, W. The relationship between awareness and performance on memory and executive function measures in older individuals. Poster presented at the 35th Annual Scientific Symposium and Poster Session of the International Neuropsychological Society, Portland, Oregon, February 2007.
13. Leritz, E., Salat, D., Chapman, C., Milberg, W., Rudolph, J., Grande, L., Barber, C., Lipsitz, L., & McGlinchey, R. Subclinically elevated blood pressure is associated with greater basal ganglia volume and reduced performance on tests of executive function in African Americans. Poster session presented at the meeting of the Society for Neuroscience, San Diego, California, November 2007.
14. Salat, D. Leritz, E. McGlinchey, R, Chapman, C. Rudolph, J. Milberg, W., Effects of Blood Pressure, Cholesterol and Glucose Levels on White Matter Tissue Structure: Tensor Imaging Tract Based Spatial Statistics (TBSS). Poster presented at the 14<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Melbourne, Australia, June 2008.