

Curriculum Vitae

BARRY GORDON, M.D., Ph.D.

OFFICE

Cognitive Neurology/Neuropsychology
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EDUCATION

B.A., 1971 Pennsylvania State University, 1968-1969,
Five-Year Cooperative Program in Medicine
M.D., 1973 Thomas Jefferson University School of Medicine, 1969-1973 (*Amplissimis
Honoribus*)
M.A., 1980 Johns Hopkins University (Psychology)
Ph.D., 1981 Johns Hopkins University (Psychology)

POSTGRADUATE TRAINING

1973-1974 Medical Internship, New York Hospital/Cornell Medical Center
1974-1977 Neurology Residency, Johns Hopkins Hospital
1976-1977 Administrative Chief Resident in Neurology, Johns Hopkins Hospital
1978-1981 Doctoral Study, Department of Psychology, Johns Hopkins University

FACULTY POSITIONS

Current

2000- Therapeutic Cognitive Neuroscience Chair (Inaugural Holder)
Professor of Neurology with Joint Appointment in Cognitive Science
Cognitive Neurology/Neuropsychology, Department of Neurology
Johns Hopkins University School of Medicine
1996- Professor, Department of Neurology
1992- Joint Appointment, Department of Cognitive Science
Johns Hopkins University
1988- Founding Member, Zanvyl Krieger Mind/Brain Institute
Johns Hopkins University

Prior

1983-1988 Joint Appointment, Department of Psychology
Johns Hopkins University
1978-1990 Assistant Professor, Department of Neurology
Johns Hopkins University School of Medicine
1977-1978 Instructor, Department of Neurology
Johns Hopkins University School of Medicine

STAFF POSITIONS

Current

2006- Courtesy Staff, Johns Hopkins Bayview Medical Center
1977- Neurology Staff, Johns Hopkins Hospital

Prior

1980-1987 Deputy Chairman, Department of Neurology, Baltimore City Hospitals
(presently Johns Hopkins Bayview Medical Center)
1980-1986 Courtesy Staff, Good Samaritan Hospital (Baltimore, MD)
1982 Founder, The Memory Clinic,
Johns Hopkins University School of Medicine
1982- Founder, Cognitive Neurology/Neuropsychology, Department of Neurology
Johns Hopkins University School of Medicine
1979-1980 Acting Chairman, Department of Neurology, Baltimore City Hospitals
1979 Assistant Chairman, Department of Neurology, Baltimore City Hospitals
1978 Consulting Neurologist, VA Hospital (Perryville, MD)
1977-1980 Active Staff, Good Samaritan Hospital (Baltimore, MD)
1977-1979 Neurology Staff, Baltimore City Hospitals

MEDICAL LICENSURE & CERTIFICATION

Maryland License #D0020423 (exp. 9/30/2014)
New York License #120341-1 (exp. 12/31/2014)

SPECIALTY BOARDS

1979 Diplomate, American Board of Psychiatry & Neurology

PROFESSIONAL SOCIETY MEMBERSHIPS (alphabetically)

1981- Academy of Aphasia (Chair: 1993-1997)
1972- Alpha Omega Alpha
1975- American Academy of Neurology (elected Fellow - 1996)
1970- American Association for the Advancement of Science
1991- American Epilepsy Society
1995 American Heart Association (Stroke Council, Fellow)
1991- American Neurological Association (Fellow – 2013)
1996- American Neuropsychiatric Association
1978-1989, 1995- American Psychological Association
Member, Neuropsychology Section, Division 40, 1978-1989, 1995-;

Member, Experimental Psychology Section, Division 6, 1999-
Fellow, 2001-
Fellow, Division 3, 2002-
1991- American Speech-Language-Hearing Association
1992- American Statistical Association
1990- Association for Psychological Science
(formerly, The American Psychological Society)
1999- Cognitive Neuroscience Society
1985- Cognitive Science Society
1988- International Neural Network Society
1980- International Neuropsychological Society
1996- Memory Disorders Research Society
1982- New York Academy of Sciences
1984- Psychonomic Society
1982- Society for Behavioral and Cognitive Neurology (President 1997-1999);
(formerly the Behavioral Neurology Society)
2011- Society for Neurobiology of Language
1978- Society for Neuroscience
2000- Society for Research in Child Development
1990- World Federation of Neurology (Research Group on Aphasia)

OTHER MEMBERSHIPS (alphabetically)

1992- Alzheimer's Disease Association (Baltimore/Central Maryland Chapter)
1998- Brain Injury Association (National)
1990- Brain Injury Association of Maryland
1991- National Aphasia Association
1990- National Head Injury Association

HONORS

1967 National Merit Finalist
1970-1973 Lange Award (twice), Roche Award, Phillips Prize, Hare Honor Society
1972 Alpha Omega Alpha (Junior year)
1982-1987 NINCDS Teacher-Investigator Award
1993- Elected to Dana Alliance for Brain Initiatives

TEACHING ACTIVITIES (courses)

2012 (January) Neurologic Diagnosis and Decision-Making, Parts I & II
Johns Hopkins Bayview Neurology Teaching Rounds
2011 (January) Evaluation and Interpretation of Mental Status
Human Memory and Memory Disorder
Johns Hopkins Bayview Neurology Teaching Rounds
2010 (January) Neurologic Diagnosis and Decision Making: Lessons from Cognitive
Neuroscience
How to Understand Higher Cortical Functions (Including Hemiparesis)
Johns Hopkins Bayview Neurology Teaching Rounds

2009 (January)	"Why be Conscious?" Johns Hopkins Bayview Neurology Teaching Rounds
2008 (January)	Memory, Language, Concussion, and The Logic of Medicine Johns Hopkins Bayview Neurology Teaching Rounds
2007 (January)	Memory and Language Johns Hopkins Bayview Neurology Teaching Rounds
2005	Lecture in "Nature, Nurture, and Cognition," Johns Hopkins University Freshman Seminar in Cognitive Science
2001-2004	Course Co-Director, "The Economic Impact of Alzheimer's Disease," Office of Continuing Medical Education, Johns Hopkins Medical Institutions, Johns Hopkins University
2000-2002	Topics in Language and Memory/Library Research and Clinical Exposure on Topics in Language and Memory
1993-	Research Seminar in Cognitive Neuroscience, Johns Hopkins University (050.803, Graduate level)
1993	Bases of Cognitive Neuroscience (Department of Cognitive Science)
1988-1995	Lectures in "Introduction to the Human Brain," Johns Hopkins University
1988-	Cognitive Neurology Research Tutorial, Johns Hopkins School of Medicine
1988-	Neuropsychology Research Tutorials, Johns Hopkins University
1988-	Elective in Behavioral Neurology (Neurology Residents)
1977-1981	"Neuropsychologic Basis of Language and Thought" (Co-instructor), Johns Hopkins University
1977, 1978	Seminars in Neuropsychology, University of Pennsylvania

TEACHING ACTIVITIES (individual trainees)

Doctoral Dissertations

1996-1998	"Supervised Word-Level Representations: A Functional, Anatomical And Time- Course Study Of Single-Word Reading," A. Margrethe Lindemann, Department of Cognitive Science, Johns Hopkins University
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Doctoral Committees

1995	"Diagnostics for Dependent Data Regression Models," Charles B. Hall, Ph.D., Department of Biostatistics, Johns Hopkins University
1996	"Neuropsychologic Sequelae of Temporal Lobe Epilepsy and Anterior Temporal Lobectomy" Sarah Reusing, Department of Psychology, University of Maryland Baltimore County (UMBC)

Undergraduate Degree Students Supervised

(Neuroscience Research, Johns Hopkins University, except as noted)

1999	Laura Babkes (Harvard University)
1997	Rachel Shapiro
1996	Lauren Roginski
1996	Michael Terry Wilson
1996	Peter Steinmetz, M.S. (School of Medicine)
1995-1996	Rebecca Allison Sophir
1995	Joseph Snow (UMBC)

1995	Christine Lovly
1995	John Carton
1994	Ed D'Aquino
1993	William Yoon
1991	Annie Bereson (Goucher College)
1988	Larry Szarka
1987-1988	George Hart

EDITORIAL ACTIVITIES

current/ongoing

2010-	Editor-in-Chief, <i>Cognitive and Behavioral Neurology</i> (formerly <i>Neuropsychiatry, Neuropsychology, and Behavioral Neurology</i>)
2009-	Member, Editorial Board, <i>Autism Research and Treatment</i>

prior

2006-2010	Associate Editor, <i>Cognitive and Behavioral Neurology</i> (formerly <i>Neuropsychiatry, Neuropsychology, and Behavioral Neurology</i> , Editorial Board member since 1993)
2006-2007	Editorial Board, IAN (Interactive Autism Network), Autism Speaks
1999-2006	Editorial Board, <i>Brain & Language</i>
1992-2006	Editorial Board, <i>Journal of Neurolinguistics</i>
1996-1998	Associate Editor, <i>Brain & Language</i>
1984-1995	Editorial Board, <i>Brain & Cognition</i>

MAJOR PROFESSIONAL ACTIVITIES

2013	Review Panel, 2013 International Joint Conference on Neural Networks (IJCNN)
2011 -	Steering Committee Member, Science of Learning Initiative
2011	Review Panel, Autism Supplements, NIH
2010-	Editor-in-Chief, <i>Cognitive and Behavioral Neurology</i>
2010-	Member, International Advisory Board, Saudi Alzheimer Disease Association
2006-	Consultant, Prince Salman Center for Disability Research, Riyadh, Saudi Arabia
2006-2007	Member, Scientific Advisory Council of "Autism Speaks"
2006	Review Panel Chair, NIH Director's Pioneer Awards
2006	Member, Special Emphasis Panel, "Aphasia and Related Disorders," NIH
2005	Review Panel Member, NIH Director's Pioneer Awards
2004	<i>Ad Hoc</i> Member, "Function, Integration, and Rehabilitation Sciences Subcommittee," NIH
2003-2004	<i>Ad Hoc</i> Member, Advisory Panel for Cognitive Neuroscience, National Science Foundation
2002	<i>Ad Hoc</i> Member, NIH Study Section ZRG1 BBBF/6 (12/02)
2002	Member, Committee on "Augmentative and Alternative Communication Strategies for Treatment of Acquired Cognitive Linguistic Disorders," Rockville, Maryland (11/02)
2001-2007	Public member, Interagency Autism Coordinating Committee, National Institute of Mental Health

2001-2007 Co-Chair, ADvantage Program (JHMI CME)

2001 Member, NIH NICHD Special Emphasis Panel (4/01)

2000 Member, NIH NINDS Special Emphasis Panel (8/00)

2000 Consultant, Autism Regression/Vaccination Collaborative Project

2000 Member, Autism Regression/Vaccination Study Protocol Working Meeting

2000-2006 Member, Neurobehavioral Sequelae Following Traumatic Brain Injury: Development of Evidence-Based Guidelines Project, IBIA/Centers for Disease Control & Prevention (Chair, Cognitive Subcommittee)

1995 Advisor, Parke-Davis Phase IV Tacrine Studies

1996 Scientific & Medical Board, Alzheimer's Association (Baltimore/Central Maryland Chapter)

1997 Adult Herpesviruses Subcommittee for the Collaborative Antiviral Study Group, Department of Pediatrics, University of Alabama School of Medicine, Birmingham, Alabama

1997-1999 President, Behavioral Neurology Section of the American Academy of Neurology

1997- 1999 President, Behavioral Neurology Society

1998 *Ad hoc* reviewer, National Alliance for Autism Research (3/98)

1993-1997 Chairperson, Board of Governors, Academy of Aphasia

1997 *Ad hoc* reviewer, NIH Biological and Physiological Sciences Special Emphasis Panel (8/7/97)

1997 *Ad hoc* reviewer, Informed Consent Study Section

1997 *Ad hoc* reviewer, NIH Sensory Disorders & Language Study Section

1996 NIH Special Review Committee(s); Sensory Disorders & Language Study Section

1995 NIH Special Review Committee(s)

1994 NIH Special Review Committee(s)

1993 NIH Special Review Committee(s)

1993-1995 Counselor, Behavioral Neurology Society

1993 Chairperson, NIH Special Review Committee, NIDCD

Chairperson, NIH Program Project Site Visit Committee, NINDS

Consultant, DuPont Merck Professional Advisory Board

1992 Consultant, ReLife, Inc. (Rehabilitation)

1991-1993 Advisor, State of California Athletic Commission Re: Evaluation of Boxing

1991-1992 President, Baltimore-Washington Area Neuropsychology Group

1991 NIH Special Review Committee(s)

1990 Professional Advisory Committee, Boston University Aphasia Research Center

1991 External Review Board, Maryland Psychiatric Research Center

1990 NIH Special Review Committee(s)

1990 NIH Sensory Disorders & Language Study Section, Special Reviewer

1989 NIH Sensory Disorders & Language Study Section, Special Reviewer

1989 NIH Special Review Committee(s)

1987 NIH Special Study Sections (2)

1983-1984 Program Committee Chairperson, Academy of Aphasia

1982 Program Committee, Academy of Aphasia

1982 NIH Sensory Disorders & Language Study Section, Special Reviewer

Ad hoc Reviewer

Programs/Agencies

American Academy of Neurology, Alzheimer's Disease Association, Human Frontiers Science Program, Medical Research Council of Canada, Medical Research Council of the United Kingdom, National Institute on Deafness Communication Disorders (NIDCD, NIH), National Institute of Neurological Disorders and Stroke (NINDS, NIH), VA Medical System Symposium IEEE - Series on Computational Intelligence.

Journals

Annals of Internal Medicine; Annals of Neurology; Archives of Neurology; Brain; Brain & Cognition; Brain & Language; Brain Research Bulletin; Cognition; Cognitive Neuropsychology; Cognitive Science; Cortex; Journal of Abnormal Psychology; Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of the International Neuropsychological Society; Journal of Memory & Language (Journal of Verbal Learning & Verbal Behavior); Journal of Neural Engineering; Journal of Neuroscience; Journal of Occupational & Environmental Medicine; Neural Computation; Neurology (Minn.); Neuropsychologia; New England Journal of Medicine; Psychological Bulletin; Science; Trends in Cognitive Neuroscience

Publishers

Academic Press; Kluwer; MIT Press; W.W. Norton; Raven Press

UNIVERSITY/MEDICAL SCHOOL/DEPARTMENTAL COMMITTEE ACTIVITIES

2009-2010 Chair, Special Promotion Committee, Department of Cognitive Science
2008-2009 Annual Report Committee, Neuro Now committee, Neuro Logic committee, Department of Neurology
1996-2006 Scientific Advisory Board, Johns Hopkins University Press
1993-1995 Hopkins Hospital Staff Conference Committee
1989-1992 Johns Hopkins Medical School Council

COMMUNITY ACTIVITIES

2012- Member, Advisory Board, The Temple Grandin and Eustacia Cutler Autism Fund
2010- Member, Advisory Board, Snyder Center for Aphasia Life Enhancement
2009-2011 Member, Board of Directors, Chimes, Inc., Baltimore, Maryland
1996-1998 Member, Board of Directors, LINC (*Learning Independence through Computers, Inc.*) (Maryland Member of the Alliance for Technology Access)

GRANT SUPPORT**current**

6/01/2010 – 06/30/2013 PI, *Receptive Vocabulary Knowledge in Low-Functioning Autism as Assessed by Eye Movements, Pupillary Dilation, and Event-Related Potentials*, Department of Defense grant AR093137

prior (in reverse chronological order)

11/01/2007-10/31/2010 Investigator, *A Multi-Center Randomized Clinical Trial Correlating the Effects of 24 Months of Exemestane or Letrozole on Surrogate Markers of Response with Armatase Polymorphism*, (Vered Stearns, PI), Novartis Pharmaceuticals Corporation

01/02/2008-12/31/2008 PI, *Subclinical Communications and Vocalizations in Autism: Investigation by Video/Audio Surveillance*, Nancy Lurie Marks Foundation

05/15/1997-04/30/2007 Senior Mentor, Research Training in Gerontology & Geriatrics, (Neal Fedarko, PI), NIA 5 T32 AG000120

10/01/2001-09/30/2006 Investigator, *MDMA Neurotoxicity in Humans: Occurrence & Consequences* (George A. Ricaurte, PI), NIDA R01 DA005938

09/15/2003-01/31/2006 PI, *Generalization of Semantic Learning in Amnesia*, NIMH R21 MH068522

05/01/2003-03/31/2005 PI, *A 12-Week, Prospective, Double-blind, Placebo-controlled, Multi-center Study Evaluating the Efficacy and Safety of Exelon[®] 3 to 6 mg/day in Patients with Traumatic Brain Injury (TBI) with Persistent Cognitive Deficits*, Novartis Pharmaceuticals Corporation

04/15/2001-03/31/2005 Investigator, *Electrocorticographic Studies of Human Cortical Function*, (Nathan Crone, PI) NINDS R01 NS40596

04/05/2002-01/31/2005 PI, *A Randomized, Double-Blind, Placebo-Controlled Study of C105 (levo-amphetamine sulfate) to Improve Memory in Patients Suffering from Anterior Communicating Artery Syndrome*, Sention, Inc.

09/01/2000-09/30/2003 PI, *A Nontherapeutic Study of the Efficacy of Neurocognitive Tests to Assess the Effects of Adjuvant Chemotherapy on Cognition and Emotional Functioning and Quality of Life in Breast Cancer Patients: A Pilot for the Eventual Study of ProCrit (Erythropoietin) Treatment*, Ortho Biotech

09/01/1998-08/31/2003 Investigator, *Age, Lead Exposure & Neurobehavioral Decline* (Walter Stewart, PI), NIA R01 AG01785

07/01/2001-06/30/2003 Co-PI, *Evaluation of Auditory Processing in Low-Functioning Children with Autism*
National Alliance for Autism Research

07/01/2000-06/30/2003 Investigator, *Functional MRI Correlates of Early Language Recovery After Hemispherectomy*. (Dana Boatman, PI) Charles A. Dana Foundation, Clinical Hypotheses in Neuroscience Award

02/01/2002-01/31/2003 PI, *Assessment of Attention and Learning in Individuals with Autism*, Cure Autism Now

12/01/2001-12/31/2002 PI, *A Randomized, Double-Blind, Placebo-Controlled Evaluation of the Safety and Efficacy of Memantine in Patients with Mild to Moderate Dementia of the Alzheimer's Type*, Forest Laboratories

- 06/01/2001-12/31/2002 PI, *A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study of Three Fixed Doses of Aripiprazole in the Treatment of Institutionalized Patients with Psychosis Associated with Dementia of the Alzheimer's Type*, Bristol Myers-Squibb
- 01/01/2001-11/30/2002 PI, *Placebo Controlled Evaluation of Galantamine in the Treatment of Alzheimer's Disease: Safety and Efficacy of a Controlled Release Formulation*, Janssen Research Foundation
- 08/15/1997-07/31/2002 Investigator, *Cognitive Mechanisms of Writing: Lexicon to Letter-Shape* (Benda Rapp, PI) NIMH R29 MH055758
- 07/01/1997-06/30/2002 Investigator, *Human Speech Perception: Functional and Neural Bases* (Dana Boatman, PI) NIDCD R29 DC003081
- 06/01/2001/-12/31/2001 PI, *A Retrospective Study of outcome in Adult Individuals with Autism and Related Disorders (Record Review and Analysis)*
- 07/01/1999-09/30/2001 PI, *A 24 Week, Multicenter, Randomized, Double-Blind, Placebo-Controlled Evaluation of the Efficacy and Safety of Donepezil Hydrochloride (E2020-402) in Subjects With Early Alzheimer's Disease*, Eisai and Pfizer
- 07/01/1995-06/31/2001 Sponsor/Advisor, *Direct Electrocortical Recording Studies of Human Language Processes (CIDA)*, (Nathan Crone, PI), NIH
- 07/01/1999-12/31/2000 PI, *Improving Abilities in Stroke and Alzheimer's Disease*. Pfizer
- 01/01/1999-12/31/2000 PI, *A 24 Week, Multicenter, Randomized, Double-Blind, Placebo-Controlled Evaluation of the Efficacy and Safety of Donepezil Hydrochloride (E2020-401) in Subjects With Mild Cognitive Impairment*, Eisai and Pfizer
- 01/01/1999-12/31/2000 Co-PI, *Pilot Study of the Efficacy of Donepezil Hydrochloride in the Treatment of Autism*. (Andrew Zimmerman, Co-PI), Pfizer, New York Community Trust
- 01/01/1996-07/31/2000 PI, *An Open Label, Six Month Extension of SDZ EN A 713 Studies B351 and B352 to Prospectively Evaluate the Long-Term Safety, Tolerability, and Efficacy of 1 through 6 mg b.i.d. (2-12 mg/day) SDZ ENA 7134 in Outpatients with Probable Alzheimer's Disease*. Novartis
- 01/01/2000-12/30/2000 Investigator, *Recovery of Speech Perception after Left Hemispherectomy*. (Dana Boatman, PI) Clinical Research Grant, American Hearing Research Organization
- 06/01/1997-06/30/2000 PI, *Training of Speech Perception and Speech Comprehension in Autistic Children: A Combined Behavioral-Neurophysiological Pilot Study*. National Alliance for Autism Research
- 03/01/1998-06/30/2000 PI, *A 30 Week, Open Label Evaluation of Donepezil Hydrochloride (E2020-309) in Patients with Dementia Associated with Cerebral Vascular Disease*. Eisai, Inc.
- 04/01/1994-03/31/2000 Investigator, *Alzheimer's Disease Research Center (Clinical Core)*, Donald Price, PI), NIH
- 06/15/1999-11/30/1999 PI, *Delay in Nursing Home Placement of Alzheimer's Disease Patients Treated in the Aricept Clinical Trial Program (E2020-A001-403, 5/5/97)* Eisai, Inc.
- 03/01/1998-12/31/1999 PI, *Long-term Efficacy, Safety, and Health Care Outcomes in Patients Receiving Open-Label Lazabemide Therapy*, Protodigm
- 09/1997-12/1999 PI, *A 24-Week, Multicenter, Randomized, Double-Blind Placebo-Controlled Evaluation of the Efficacy and Safety of Donepezil Hydrochloride (E2020)*

- in Patients With Dementia Associated With Cerebrovascular Disease (E2020-307, 5/5/97)* Eisai, Inc.
- 03/15/1998-10/31/1999 PI, *Long-term Efficacy, Safety, and Health Care Outcomes in Patients Receiving Open-Label Lazabemide Therapy (dated 12/18/97)*, Protodigm
- 06/01/1998-05/31/1999 PI, *Improving Language Abilities in Stroke and Alzheimer's Disease with Cholinergic Therapy*, Manor Care Foundation, Inc.
- 04/01/1994-03/31/1999 Sponsor/Advisor, *Verbal and Visual Semantic Object Processing Impairments (CIDA)*, (John Hart, Jr., PI), NIH
- 05/15/1997-12/15/1998 PI, *The Efficacy, Safety, and Tolerability of Lazabemide (Ro 19-6327) Versus Placebo, Administered For One Year In Patients With Probable Alzheimer's Disease (NINCDS/ADRDA Criteria)(PDL 1000P, dated 12/02/96)*, Protodigm
- 12/01/1992-11/30/1998 PI, *Cognitive and Neuroanatomic Studies of Acquired Dyslexias*, NIH R01 NS 29973
- 09/01/1996-08/31/1998 PI, *Training of Speech Perception in Children with Language Delay*. New York Community Trust
- 09/1996-07/1998 PI, *A 54-Week, Randomized, Double Blind, Placebo Controlled Evaluation of the Effects of Donepezil Hydrochloride (E2020) on Functional Outcome in Patients With Alzheimer's Disease With a Staged Crossover to Open Label Donepezil Hydrochloride (E2020) Treatment (Sponsor #E2020-A001-312)*, Eisai America.
- 07/01/1993-06/30/1998 Investigator, *Training Program in Pediatric Neurology*, (Harvey Singer, PI), NIH
- 11/15/1997-06/15/1998 PI, *Metrifonate Investigational Nationwide Trial (MINT)™*, Bayer Pharmaceutical Division
- 09/15/1993-02/28/1998 Investigator, *Age, Lead Exposure and Neurobehavioral Decline*, (Walter Stewart, PI,) NIH
- 01/1996-12/1997 PI, *Open Label Extension of Study #94-001FL-1005CR to Evaluate Long-Term Administration of AF102B in the Treatment of Patients with Dementia of the Alzheimer Type*, Forest Laboratories, Inc.
- 06/1996-12/1997 Co-PI, *A 52-Week, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multicenter Study of Milameline (CI979/RU 35926) in Patients With Probable Alzheimer's Disease With Long-Term Open-Label Extension*. Protocol 979-15-16. Warner-Lambert Company
- 07/1994 -06/1997 PI, *An Open-label, Multicenter, Extended Evaluation of the Safety and Efficacy of E2020 in Patients With Alzheimer's Disease*. Protocol E2020-A001-303, Eisai America, Inc.
- 01/01/1995-12/31/1996 Mentor, *Quantitative Studies of Electrocorticograms Accompanying Speech and Language*, (David Sherman, PI), McDonnell-Pew Program in Cognitive Neuroscience, JSMF Grant No. 95-2
- 01/01/1996-09/30/1996 PI, *Long-Term Administration of AF102B in the Treatment of Patients with Dementia of the Alzheimer Type*, Forest Laboratories
- 07/01/1992-06/30/1996 Joint PI, *Promoting Recovery After Damage to the Human Brain: What Triggers the Recovery Process?* (Guy McKhann and Ronald Lesser, Joint-PIs), Seaver Foundation

- 01/01/1995-06/30/1996 PI, *Clinical Evaluation of the Safety and Efficacy of AF102B vs. Placebo in the Treatment of Patients with Dementia of the Alzheimer's Type*, Protocol #94-001FL-105CR, Forest Laboratories
- 07/01/1988-06/30/1996 Co-PI, *A Prospective Study of Amateur Boxing* (Walter Stewart, PI), NINCDS 1 R01 NS26450
- 04/01/1995-05/15/1996 PI, *A Prospective, Double-Blind, Placebo-Controlled, Parallel Group Comparison of the Efficacy and Safety of Two Doses of SDZ 713, 1-4 mg per day and SDZ ENA 713 6-12 mg per day in Patients with Alzheimer's Disease*. Protocol B352, Sandoz Pharmaceuticals Corporation
- 04/01/1989-08/31/1995 PI, *Language Organization Studied by Cortical Stimulation*, NINDS 1R01 NS26553
- 09/01/1993-08/31/1995 Advisor, *Cortical Stimulation Studies of Speech Perception*, (Dana Boatman, PI), NIH
- 07/01/1992-07/31/1995 Co-PI, *Charles A. Dana Center for Study of Memory and Aging*. (Guy McKhann, PI)
- 07/01/1993-06/30/1995 Co-PI, *Cortical Electrical Correlates of Cognitive Processing*, (Nathan Crone, PI), McDonnell-Pew Program in Cognitive Neuroscience
- 02/01/1994-06/30/1995 PI, *A Trial of E2020 in Patients with Dementia of the Alzheimer's Type (Protocol E2020-001-302)*. Eisai Pharmaceuticals,
Co-Mentor, *Quantitative studies of electrocortigrams accompanying speech and language*. (David L. Sherman, PI), McDonnell-Pew Individual Training Grant
- 02/1993-06/1994 PI, *A trial of Neurolite/Aviva in Patients With Mild to Moderate Dementia of the Alzheimer Type*, DuPont Merck Pharmaceutical Company
- 09/09/1985-06/30/1994 Co-PI, *Cognitive Processes in Dyscalculia*. (Michael McCloskey, PI), NINCDS, 1 R01 NS21047
- 07/1990-06/1994 Investigator, *Training Program in Cognitive Science*, (Stewart Hulse, PI)
- 10/01/1991-12/31/1993 PI, *A Long Term Randomized Placebo Controlled Study of DuP 996 90 and 120 Mg Daily in Patients With Mild to Moderate Dementia of the Alzheimer Type*, (Long-term study) (U.S.A. Study); Protocol 996-025, DuPont Merck Pharmaceutical Company
- 01/01/1993-09/31/1993 Joint PI, *The Neurobiology of Language (extension grant)*. McDonnell Foundation-Pew Charitable Trusts
- 04/1985-08/31/1993 Co-PI, *Cognitive-Linguistic Mechanisms in Writing Disorders*. (Alfonso Caramazza PI), NINCDS 2 R01 NS22201
- 04/01/1990-08/31/1993 Co-PI, *Morphological Processing Deficits in Aphasia*. (Alfonso Caramazza PI), NINDS 2 R01 DC00366
- 01/01/1990-12/31/1992 Joint PI, *The Neurobiology of Language*. McDonnell Foundation-Pew Charitable Trusts Program in Cognitive Neuroscience
- 10/1991-12/1992 PI, *A Randomized Placebo Controlled Study of DuP 996 90 and 120 Mg Daily in Patients With Mild to Moderate Dementia of the Alzheimer Type* (U.S.A. Study); Protocol 996-019, DuPont Merck Pharmaceutical Company
- 04/1991-09/1992 Co-PI, *Plasticity and Recovery of the Human Brain*. Educational Foundation of America
- 07/01/1989-12/31/1991 Joint PI, *Dyslexia Studied by Direct Electrical Cortical Interference in Humans*. Seaver Foundation

- 07/01/1990-04/30/1991 PI, *Safety and Efficacy of Long-Term Use of Oxiracetam in the Treatment of patients with cognitive impairment associated with Dementia of the Alzheimer's Type*, SmithKline Beecham
- 11/15/1989-01/30/1991 PI, *Oxiracetam in the Treatment of Patients with Cognitive Impairment Associated with Dementia of the Alzheimer's Type*. SmithKline Beecham
- 07/1988-06/1990 Co-PI, *Tacrine in Alzheimer's Disease*, (Claudia Kawas, P.I.)
- 09/1986-08/1989 Joint-PI, *The Computational Neuropsychology of Reading*. (Alfonso Caramazza & Terrence J. Sejnowski, Joint PIs), Seaver Foundation
- 07/1986-06/1989 Co-PI, *Morphological Processing Deficits in Aphasia*. (Alfonso Caramazza PI), NINCDS 1 R01 NS23836
- 09/1984-06/1989 Section Principal Investigator, *Alzheimer's Disease Research Center*, NIA
- 07/1986-06/1988 PI, *Effects of Nicotine in Early Alzheimer's and Amnesia*. Merrell Dow Research Institute
- 02/1986-06/1988 Co-PI, *Amateur Boxing: A Prospective Study*. (Walter Stewart, PI), United States Olympic Committee
- 04/1987-10/1987 PI, *New Learning and Language Processing: Disordered and Normal Patterns of Cerebral Glucose Utilization through Positron Emission Tomography (PET)*. Institutional Research Grant
- 07/1982-06/1987 PI, *Study of Human Memory Disorders and Drug Effects*. (Teacher Investigator Development Award), NIH K07 NS00721
- 05/1986-04/1987 Investigator, *The Natural History of Acquired Immunodeficiency Syndrome (AIDS) in Homosexual Men: Neurologic and Neuropsychiatric Aspects*, (Richard Johnson, PI), NIAID
- 09/1994-08/1985 Co-PI, *Study of Procedural and Declarative Memory Systems in AD and Normal Aging*, NIA (component of ADRC, above)
- 04/01/1980-03/03/1984 Investigator, *Syntactic Deficits in Aphasia* (Alfonso Caramazza PI) NIH
- 02/01/1983-01/31/1984 PI, *Investigation of Human Memory Disorders and Drug Effects*, Johns Hopkins Fund
- 12/1980-11/1983 Co-PI, *Lexical-Semantic Deficits in Aphasia*, (with Alfonso Caramazza PI, and R. Berndt, Co-PI), NIH NS 14099
- 01/1980-03/1980 PI, *Sleep Laboratory Evaluation of Miles Laboratories' Doxylamine Succinate 25 mg Tablet as a Nighttime Sleep-Aid*, Miles Laboratories

BIBLIOGRAPHY

BOOKS

1. **Gordon B**: *Memory: Remembering and Forgetting in Everyday Life*. New York: Mastermedia Ltd/Dana Alliance for Brain Initiatives, 1995.
2. **Gordon B** and Berger L: *Intelligent Memory*. New York: Viking Press, 2003.

ORIGINAL ARTICLES

1. **Gordon B**, Marin OSM: Transient global amnesia: an extensive case report. *J Neurol Neurosurg Psychiatry* 1979; 42(6): 572-5.
2. DePaulo JR, Folstein MF, **Gordon B**: Psychiatric screening on a neurological ward. *Psychol Med* 1980; 10(1): 125-32.
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BOOK CHAPTERS, REVIEWS, POLICY STATEMENTS, and BRIEF PUBLICATIONS

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87. Lesser RP, Hart J, **Gordon B**: Evidence for orientation-specific channels in human visual information processing. American Academy of Neurology, New York, NY, April 27-29, 1993 [Neurology 43(S2): A353, 1993].
88. **Gordon B**, Lesser RP, Hart J: Etiology of anomia from a temporal lobe lesion. American Academy of Neurology, New York, NY, April 27-29, 1993 [Neurology 43(S2): A403, 1993].
89. Hart J, Lesser RP, **Gordon B**: Studies of knowledge representation and neuroanatomic associations. American Academy of Neurology, New York, NY, April 27-29, 1993 [Neurology 43(S2): A405, 1993].
90. Small SL, Hart J, **Gordon B**, Holland AL: Performance variability in a diffusely lesioned model of semantic representation for object naming. American Academy of Neurology, New York, NY, April 27-29, 1993 [Neurology 43(S2): A405, 1993].
91. Small SL, Holland AL, Hart J, Forbes MM, **Gordon B**: Response variability in naming: a computational study. Clinical Aphasiology Conference, Sedona, AR, June 6, 1993.
92. Crone NE, Lesser RP, Nathan SS, Sieracki JM, **Gordon B**: Patterns of change in electrocortical spectra during human language processing. American Electroencephalographic Society, New Orleans, LA, October 11, 1993.
93. Boatman D, Lesser RP, Schwerdt P, Hopp J, Uematsu S, **Gordon B**: The cortical representation of syllable timing as revealed by direct cortical electrical stimulation. Academy of Aphasia, Tucson, AR, October 26, 1993.
94. Gastineau EA, Tamminga CA, Holcomb HH, Loats HL, **Gordon B**: A cortical volume pattern analysis of "on-off" haloperidol FDG PET data. Society for Neuroscience, Washington, DC, November 7-12, 1993 [Soc Neurosci Abstr 19(2): 1993].
95. Crone NE, Lesser RP, Krauss GL, Nathan SS, Sieracki JM, **Gordon B**: Topographic mapping of human sensorimotor cortex with electrocortical spectra. American Epilepsy Society, Miami, FL, December 8, 1993 [Epilepsia 34(S6): 122, 1993].
96. Uematsu S, Lesser RP, **Gordon B**, Krauss G, Vining EPG: Total resection of perioccipital epileptogenic area with preservation of visual function: the advantage of preoperative subdural grid mapping. American Epilepsy Society, Miami, FL, December 8, 1993 [Epilepsia 34(S6): 33, 1993].
97. Arroyo S, Krauss GL, Poon W-T, Uematsu S, **Gordon B**, Lesser RP: Visual processing in the human cortex: results from direct cortical recording of visual evoked potentials. American Academy of Neurology, Washington, DC, May 3, 1994 [Neurology 44(S2): A232, 1994].
98. Whalen J, McCloskey M, Lesser RP, **Gordon B**: Transient arithmetic fact retrieval deficits during cortical stimulation. Theoretical and Experimental Neuropsychology (TENNET) conference, Montreal, QB, May 29-31, 1994.

99. Sherman DS, Nathan SS, Crone NE, Lesser RP, **Gordon B**, Thakor NV: Electrocorticographic coherence mapping reveals tongue activation areas of the human sensorimotor cortex. American Electroencephalographic Society, Chicago, IL, September 16-22, 1994 [EEG Clin Neurophysiol 95(2): 21P-22P, 1995].
100. Hart J, Pettis M., Lesser RP, Holcomb H, **Gordon B**: Selective preservation of color processing in severe visual object agnosia. American Neurological Association, San Francisco, CA, October 10, 1994 [Ann Neurol 36(2): 262, 1994].
101. **Gordon B**, Krauss GL, Poon W-T, Uematsu S, Lesser RP: Extent of removal of epileptogenic foci predicts success of surgical treatment of temporal lobe epilepsy. American Neurological Association, San Francisco, CA, October 10, 1994 [Ann Neurol 36(2): 277, 1994].
102. Crone NE, Hart J, Boatman D, Lesser RP, **Gordon B**: Regional cortical activation during language and related tasks identified by direct cortical electrical recording. Academy of Aphasia, Boston, MA, October 18-20, 1994 [Brain Lang 47: 466-468, 1994].
103. **Gordon B**, Hart J, Lesser RP, Selnes OA: Recovery and its implications for cognitive neuroscience. Academy of Aphasia, Boston, MA, October 18-20, 1994 [Brain Lang 47: 521-524, 1994].
104. Boatman D, **Gordon B**, Stone M, Anderson, S: Studies of articulatory timing in normal and foreign accent syndrome speech. Academy of Aphasia, Boston, MA, October 18-20, 1994 [Brain Lang 47: 549, 1994].
105. Hart J, **Gordon B**: Category-specific anomia: Implications for the neural bases of object knowledge. Society for Neuroscience, Miami, FL, November 13-18, 1994 [Soc Neurosci Abstr 20: 1664, 1994].
106. Crone NE, Hart J, Lesser RP, **Gordon B**: The time course of regional cerebral activation during cognitive tasks: Results of direct cortical electrical recording in humans. Society for Neuroscience, Miami, FL, November 13-18, 1994 [Soc Neurosci Abstr 20: 1001, 1994].
107. Krauss GL, Plate C, Lesser RP, Hart J, Uematsu S, **Gordon B**: Effects of resecting basal temporal language areas identified by cortical stimulation. American Epilepsy Society, New Orleans, LA, December 2-8, 1994 [Epilepsia 35(S8): 30, 1994].
108. Boatman D, Freeman J, Vining E, **Gordon B**: Recovery of speech functions following hemispherectomy: prospective, longitudinal studies. American Epilepsy Society, New Orleans, LA, December 2-8, 1994 [Epilepsia 35(S8): 35, 1994].
109. Crone NE, Hart J, Lesser RP, Boatman D, **Gordon B**: Spectral changes associated with regional cerebral processing: results of direct cortical recording in humans. American Epilepsy Society, New Orleans, LA, December 2-6, 1994 [Epilepsia 35(S8): 103, 1994].

110. **Gordon B:** Cortical stimulation, recording, and functional activation. American Academy of Neurology, Seattle, WA, May 6-13, 1995 [Neurology 45(S4): A120, 1995].
111. Boatman D, Crone N, Hart J Jr, Lesser RP, **Gordon B:** Interrelatedness of syllable perception and production: evidence from direct cortical electrical interference and recording. Academy of Aphasia, San Diego, CA, November, 1995 [Brain Lang 4: 466-468, 1995]
112. Tesoro MA, Hart J, Schwerdt P, Lesser RP, Carson K, Krauss G, Vining EPG, Monsein L, Boatman DF, **Gordon B:** Language laterality as determined by a standardized intracarotid amobarbital procedure. American Epilepsy Society, Baltimore, MD, December 1-6, 1995 [Epilepsia 36(S4), 145, 1995].
113. Rossell LA, Reusing S, Goodhart E, Miglioretti D, **Gordon B:** The memory monitor: objective behavioral monitoring for measuring everyday memory performance. Second International Conference on Memory, Abano-Terme, University of Padova, Italy, July 15-19, 1996.
114. Boatman D, Miglioretti D, Hart J, Lamberti N, Rothlisberger B, **Gordon B:** Localization and variability in the cortical representation of auditory speech syllable discrimination and comprehension. Academy of Aphasia, London, UK, November 2-5, 1996.
115. **Gordon B:** Reevaluating theories of semantic organization and category-specific impairments (discussant). Academy of Aphasia, London, UK, November 2-5, 1996.
116. Kraut M, Kremen S, Soher B, Bryan RN, **Gordon B,** Hart J: Neural correlates of lexical access as shown by MRI. Society for Neuroscience, Washington, DC, November 16-21, 1996 [Soc Neurosci Abstr 22: 1996].
117. Rios M, Hart J, Lesser R, **Gordon B:** Right hemisphere language mapping in patients with bilateral speech: a comparison of cortical stimulation and intracarotid amobarbital procedure. American Epilepsy Society, San Francisco, CA, December 7-10, 1996 [Epilepsia 37(S5): 132, 1996].
118. **Gordon B,** Gambale S: Improving auditory comprehension in autistic children through Auditory Attention Training. Autism Society of America, Orlando, FL, July 8, 1997.
119. Crone NE, Hart J, Hao L, Miglioretti DL, Lesser RP, **Gordon B:** Functional mapping of word production in human sign language using electrocorticographic spectral analysis. American Academy of Neurology, Toronto, April 17-24, 1999.
120. Boser K, Fetherston A, Higgins S, **Gordon B:** Semantic fields in low-functioning autism. Cognitive Neuroscience Society, New York, March, 2001.
121. Hillis A, Kane A, **Gordon B,** Wityk R: Neural substrates of lexical processes. Cognitive Neuroscience Society, New York, NY, March, 2001.

122. Boser KI, Higgins S, **Gordon B**: Discrimination shift learning and task complexity in low-functioning autism. International Meeting for Autism Research, San Diego, CA, November 9-10, 2001.
123. **Gordon B**, Boser K, Glatzer R: Integrated testing and training platform for low-functioning individuals with autism. International Meeting for Autism Research, San Diego, CA, November 9-10, 2001.
124. O'Grady J, Boser K, **Gordon B**: "Item mortality:" factors and possible explanations. International Meeting for Autism Research, San Diego, CA, November 9-10, 2001.
125. Boser K, Higgins S, Kiger R, O'Grady J, **Gordon B**: Prototypicality effects and color categories in non-verbal individuals with autism. Society for Neuroscience, San Diego, CA, November 13, 2001 [Soc Neurosci Abstr 27: 2001].
126. Ankrom M, Selnes O, **Gordon B**: The Folstein Mini-Mental State Exam: a sensitivity and specificity analysis. American Geriatrics Society, Washington, DC, May, 2002 [J Am Geriatr Soc 50(4): S131, 2002].
127. Boser K, Smrcka V, Stark S, Haarman H, **Gordon B**: Use of context in working memory in autism. International Meeting for Autism Research, Orlando, FL, November 1-2, 2002.
128. Moskowitz L, Juska J, O'Grady J, **Gordon B**: Effect of looming motion on learning in children with autism. International Meeting for Autism Research, Orlando, FL, November 1-2, 2002.
129. O'Grady J, Moskowitz L, Juska J, **Gordon B**: Familiarity-based responding in autism. International Meeting for Autism Research, Orlando, FL, November 1-2, 2002.
130. Boser KI, Boatman D, **Gordon B**: Hemispheric asymmetries in hierarchical visual processing in autism. Society for Neuroscience, New Orleans, LA, November 8, 2003 [Soc Neurosci Abstr 29: 2003].
131. Stark SM, Stark CEL, **Gordon B**: New semantic learning and generalization in severe amnesia. Society for Neuroscience, New Orleans, LA, November 12, 2003 [Soc Neurosci Abstr 29: 2003].
132. Boner M, **Gordon B**: Spontaneous vocalizations in two non-verbal children with autism. International Meeting for Autism Research, Sacramento, CA, May 7-8, 2004.
133. O'Grady J, Juska J, Pullara O, Bejoian L, **Gordon B**: Training oral speech in non-verbal autism: a case study. International Meeting for Autism Research, Sacramento, CA, May 7-8, 2004.
134. Stark SM, **Gordon B**: Intact implicit sequence learning in individuals with autism. Society for Neuroscience, San Diego, CA, October 25, 2004 [Soc Neurosci Abstr 29: 2003].
135. Sinai A, Bowers CW, **Gordon B**, Lesser RP, Lenz F, Ouyang W and Crone NE: Cortical mapping of language with subdural electrodes: a direct comparison of electrocorticographic

- gamma activity with electrical cortical stimulation mapping. American Epilepsy Society, New Orleans, LA, December 3-7, 2004 [Epilepsia 45(S7): 182, 2004].
136. O'Grady J, Thorne J, Juska J, Pullara O, Bejoian L, **Gordon B**: Achieving speech production in a nonverbal adolescent with autism. International Meeting for Autism Research, Boston, MA, May 5-7, 2005.
 137. Boner MM, Andersson E, **Gordon B**: Stability of vocal repertoire in two older non-verbal children with autism. International Meeting for Autism Research, Boston, MA, May 5-7, 2005.
 138. Ledoux K, **Gordon B**, Roll M and Swaab TY: An event-related potential study of implicit causality and the establishment of coreference. Brain Mechanisms and Cognitive Processes in the Comprehension of Discourse, Leiden, the Netherlands, March 12-16, 2007.
 139. Kirwan B, Stark S, Goodrich-Hunsaker N, **Gordon B**, Hopkins R and Stark C: Pattern separation processes in the human medial temporal lobe. Cognitive Neuroscience Society, New York, NY, May 7, 2007.
 140. Ledoux K, **Gordon B**, Roll M and Swaab TY: The influence of implicit causality on the establishment of coreference: an event-related potential study of reading. Cognitive Neuroscience Society, New York, NY, May 7, 2007.
 141. Ledoux K, **Gordon B**, Roll M and Swaab TY: The influence of implicit causality on the establishment of coreference: an event-related potential study of reading. Academy of Aphasia, Turku, Finland, October 19-21, 2008.
 142. Pickett E, O'Grady J, Boner MM, **Gordon B**: Speech development in a non-verbal adolescent with autism. Academy of Aphasia, Turku, Finland, October 21, 2008.
 143. Pickett E, Boner M, **Gordon B**: Communicative intent and vocalizations in older nonverbal children with autism. American Speech-Language-Hearing Association, Chicago, IL, November 21, 2008.
 144. Ledoux K, Vannorsdall TD, Pickett E, Fieldstone SC, Schretlen DJ, Gordon B: Development, reliability, and construct validity of a new approach to analyzing qualitative aspects of speeded lexical retrieval. International Neuropsychological Society, Atlanta, GA, February 12, 2009 [J Int Neuropsychol Soc 16(S1): 121, 2009].
 145. Ledoux K, Boatman D, **Gordon B**: Disruption of grapheme-to-phoneme correspondence mapping during single word reading in patients with epilepsy: implications for models of reading. American Academy of Neurology, Seattle, WA, April 30, 2009.
 146. Sadleir RJ, Vannorsdall TD, Schretlen DJ, **Gordon B**: Transcranial direct current stimulation (tDCS): predicted current densities in a realistic head model. American Neurological Association, Baltimore, MD, October 11-14, 2009 [Ann Neurol 66 (S1): 42, 2009].

147. Pickett EJ, Ledoux K, Vannorsdall TD, Sung K, Fieldstone SC, Schretlen DJ, **Gordon B**: Production time differences as evidence for automatic vs. controlled word selection processes. American Neurological Association, Baltimore, MD, October 11-14, 2009 [Ann Neurol 66 (S1): 42, 2009].
148. Vannorsdall TD, Ledoux K, Pickett EJ, Fieldstone SC, **Gordon B**, Schretlen DJ: Different neuroanatomic correlates of phonemic and semantic fluency in healthy adults. American Neurological Association, Baltimore, MD, October 11-14, 2009 [Ann Neurol 66 (S1): 44, 2009].
149. Sung K, Ledoux K, Pickett EJ, Vannorsdall TD, Fieldstone SC, Schretlen DJ, **Gordon B**: Verbal fluency and its semantic basis: a latent semantic analysis. American Neurological Association, Baltimore, MD, October 11-14, 2009 [Ann Neurol 66 (S1): 42, 2009].
150. Ledoux K, Pickett EJ, Van Droof LV, Buz E, Billings NM, **Gordon B**: Receptive vocabulary knowledge in individuals with autism as assessed by eye movements, pupillary dilation, and event-related potentials. Psychonomic Society, Boston, MA, November 21, 2009.
151. Sung K, Ledoux K, Pickett EJ, Fieldstone SC, Vannorsdall TD, Schretlen DJ, **Gordon B**: Semantic representations in healthy adults and persons with schizophrenia. Psychonomic Society, Boston, MA, November 21, 2009.
152. Weaver JR, Stark SM, Shahverdi KT, Jeter S, Zorzi J, Skolasky RL Jr, Andrejczuk MA, Stearns V, **Gordon B**: Study of neurobehavioral symptoms and impairments in breast cancer patients receiving adjuvant aromatase inhibitor therapy. CTSC-AACR San Antonio Breast Cancer Symposium, December 12, 2009.
153. Fieldstone SC, Vannorsdall TD, **Gordon B**, Schretlen DJ: Validation of the 15-item Geriatric Depression Scale for clinical use with young and middle-aged adults. International Neuropsychological Society, February 3-6, 2010, Acapulco, Mexico [J Int Neuropsychol Soc 16(S1): 41, 2010].
154. Vannorsdall TD, Fieldstone SC, Ledoux K, Pickett, E., **Gordon B**, Schretlen DJ: Neuroanatomic correlates of automatic and controlled processes in verbal fluency. International Neuropsychological Society, February 3-6, 2010, Acapulco, Mexico [J Int Neuropsychol Soc 16(S1): 84, 2010].
155. Vannorsdall TD, Rao V, Cascella NG, **Gordon B**, Schretlen DJ: A morphometric analysis of neuroanatomic correlates of cognitive dysfunction following traumatic brain injury. International Neuropsychological Society, February 3-6, 2010, Acapulco, Mexico [J Int Neuropsychol Soc 16(S1): 218, 2010].
156. Loughlin EP, Fisher Z, Thorne J, Pickett EJ, **Gordon B**: Spontaneous communication in an individual with autism. International Meeting for Autism Research, Philadelphia, PA, May 20-22, 2010.

157. Pickett EJ, Billings NM, Van Droof LV, **Gordon B**: Response variability in a low-functioning individual with autism: practical and theoretical implications. International Meeting for Autism Research, Philadelphia, PA, May 20-22, 2010.
158. Van Droof LV, Ledoux K, Pickett EJ, Buz E, Billings N, **Gordon B**: Advancing the measurement of receptive language in nonverbal individuals with autism. International Meeting for Autism Research, Philadelphia, PA, May 20-22, 2010.
159. Schretlen DJ, Vannorsdall TD, Sung K, **Gordon B**: Using verbal fluency to explore semantic networks and the potential of transcranial direct current stimulation to enhance lexical retrieval. National Academy of Neuropsychology, Vancouver, BC, October 15, 2010.
160. **Gordon B**, Vannorsdall TD, Ledoux K, Pickett EJ, Andrejczuk M, Sung K, Schretlen DJ: Transcranial direct current stimulation modifies automatic and controlled verbal fluency. Neurobiology of Language conference, San Diego, CA, November 12, 2010.
161. Ledoux K, Pickett EJ, Van Droof LV, Buz E, Billings N, **Gordon B**: Receptive vocabulary knowledge in individuals with autism as assessed by eye movements, pupillary dilation, and event-related potentials. Neurobiology of Language conference, San Diego, CA, November 12, 2010.
162. Sung K, Ledoux K, Pickett EJ, Vannorsdall RD, Fieldstone SC, **Gordon B**, Schretlen DJ: Deficit in semantic clustering of category examples generated by people with bipolar disorder. Psychonomic Society, St. Louis, MO, November 20, 2010 [Abstr Psychonomic Soc 15: 104, 2010].
163. Sung K, Ledoux K, Pickett EJ, Vannorsdall RD, Fieldstone SC, **Gordon B**, Schretlen DJ: Semantic deficits in category fluency in schizophrenia and bipolar disorder. Accepted for presentation at the November, 2010, meeting of the Society for Neuroscience, San Diego, CA.
164. Vannorsdall TD, **Gordon B**, Ledoux K, Sung K, Pickett EJ, Andrejczuk M, Lassen-Greene C, Weaver JR, Van Droof L, Schretlen DJ: Altering automatic verbal processes with transcranial direct current stimulation. Accepted for presentation Int Neuropsychol Soc, Boston, MA. 2011.
165. Aretouli E, Vannorsdall TD, Ho T, Pearlson GD, **Gordon B**, Schretlen DJ: The neural substrates of personality: A voxel-based morphometry study of the big five personality traits. [J Int Neuropsychol Soc 2011; 17(S1): 56].
166. Vannorsdall TD, **Gordon B**: Sung K., Pickett E., Lassen-Greene C., Andrejczuk M, Weaver JR, VanDroof L & Schretlen DJ: Transcranial direct current stimulation modified processing speed in healthy adults.[J Int Neuropsychol Soc, 2011; 17(S1): 163].
167. Vannorsdall, TD, **Gordon B**: Ledoux, K, Sung, K, Pickett, EJ, Andrejczuk, M, Lassen-Greene, C, Weaver, JR, VanDroof, L, Schretlen, DJ: Altering automatic verbal processes with transcranial direct current stimulation. [J of the Int Neuropsychol Soc 2011; 17(S1): 163].

168. Sung K, Pickett EJ, Ledoux K, Vannorsdall TD, Elsayed M, Billings NM, Silva J, Schretlen D, **Gordon B**: Differences in time interval distributions reveal controlled and automatic contributions to cued word retrieval. American Neurological Association, San Diego, CA. September 2011.
169. Lacey E, **Gordon B**, Hillis A: Using brain stimulation to study noun and verb processing in primary progressive aphasia. European Society for Cognitive Psychology Meeting, San Sabastian, Spain. September-October, 2011.
170. Brothers T, Ledoux K, **Gordon B**: Explaining the verb-repetition “boost”: Interactions between verb subcategories and syntactic priming during reading. Psychonomic Society Annual Meeting, Seattle, WA. November 2011.
171. Brothers T, Ledoux K, **Gordon B**: Syntactic priming in natural language comprehension: Evidence from auditory event-related potentials. Psychonomic Society Annual Meeting, Seattle, WA. November 2011.
172. Brothers T, Ledoux K, **Gordon B**: Interactions between verb subcategorization and syntactic priming: Evidence from self-paced reading and event-related potentials. Neurobiology of Language Conference, Annapolis, MD. November 2011.
173. Loughlin E, Thorne J, O’Grady J, **Gordon B**: Untrained word combinations and grammatical forms in a newly verbal adult with autism. Neurobiology of Language Conference, Annapolis, MD. November 2011.
174. Bosley LV, Vannorsdall TD, Andrejczuk M, Reese K, Schretlen DJ, **Gordon B**: Transcranial direct current stimulation speeds up automatic word retrieval. Neurobiology of Language Conference, Annapolis, MD. November 2011.
175. Gangopadhyay, I, LeDoux K, Bosley, L, **Gordon B**: The use of implicit measures to assess receptive vocabulary knowledge in individuals with autism. Neurobiology of Language Conference, Annapolis, MD. November 2011.
176. Sung, K., McEntee M., **Gordon B**: Non-susceptibility to vertical-horizontal line illusion by a low-functioning individual with autism: An ERP study. Society for Neurosciences Conference, Washington, DC. November 2011.
177. Ewen, JB, Vining EP, Smith CA, Trescher, WH, Kossoff, EH, **Gordon B**, Boatman-Reich, D: Cognitive and EEG fluctuations in benign childhood epilepsy with central-temporal spikes: A case series. *Epilepsy Research*. 2011, 97 (1-2).
178. Bosley LV, Vannorsdall TD, Reese K, **Gordon B**, Schretlen DJ: Spectrographically aided measures of inter-word intervals provide support for an expanded assessment of clustering on verbal fluency tasks. Annual Meeting of the International Neuropsychological Society, Montreal, CA. February 2012

179. McEntee ML, Vannorsdall, TD, Schreteln CF, Smith KM, Forbes CR, **Gordon B**, Schretlen DJ: Cognitive correlates of qualitative aspects of verbal fluency performance. Annual Meeting of the International Neuropsychological Society, Montreal, CA. February 2012
180. Sung K, Vannorsdall TD, Ledoux K, Pickett EJ, **Gordon B**, Schretlen DJ: A clustering analysis of semantic associations among letter-cued word fluency productions by healthy adults. Annual Meeting of the International Neuropsychological Society, Montreal, CA. February 2012
181. Vannorsdall TD, Forbes, CR, Schretlen CF, Smith KM, Ho T, **Gordon B**, Schretlen DJ: Normative data for an expanded qualitative verbal fluency scoring system. Annual Meeting of the International Neuropsychological Society, Montreal, CA. February 2012
182. Weaver JR, Vannorsdall, TD, Smith KM, Schretlen CF, Forbes, CR, **Gordon B**, Schretlen DJ: Neuroanatomic correlates of clustering on verbal fluency tasks in healthy adults. Annual Meeting of the International Neuropsychological Society, Montreal, CA. February 2012
183. Brothers T, Ledoux K, **Gordon B**: Impaired selection of the context-appropriate meaning of ambiguous words in high-functioning individuals with autism: an ERP study. Annual Meeting of the Cognitive Neurosciences Society, Chicago, IL. April 2012
184. Gangopadhyay I, Ledoux K, Bosley L, **Gordon B**: The use of implicit measures to assess receptive vocabulary in normal adults and normally developing children. Annual Meeting of the Cognitive Neurosciences Society, Chicago, IL. April 2012
185. van Steenburgh JJ, Bosley LV, Vannorsdall TD, Reese K, Andrejczuk M, Schretlen, DJ, **Gordon B**: Transcranial direct current stimulation of left dorsolateral prefrontal cortex speeds controlled word retrieval during verbal fluency. Annual Meeting of the Cognitive Neurosciences Society, Chicago, IL. April 2012
186. Gangopadhyay I, Ledoux K, Bosley L, **Gordon B**: Accessing receptive vocabulary knowledge in individuals with autism using implicit measures. International Meeting for Autism Research, Toronto, CA. May 2012
187. Kuo S, McEntee M, Bosley L, Lacey E, Chambers P, Andrejczuk MA, Cooper A, **Gordon B**: Spoken language abilities in adults with high-functioning autism. International Meeting for Autism Research, Toronto, CA. May 2012
188. McEntee ML, Kuo S, Lacey E, Andrejczuk MA, Bosley L, Chambers P, Cooper A, **Gordon B**: Advanced theory of mind assessment in adults with high functioning autism. International Meeting for Autism Research, Toronto, CA. May 2012

INVITED PROFESSIONAL LECTURES AND PRESENTATIONS

1. "Diagnosis and management of senile dementia." Seventh Annual Symposium on Geriatric Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, December, 1979.
2. "Dementia: diagnosis and treatment." Medical Grand Rounds, Baltimore City Hospitals, Baltimore, MD, April 16, 1980.
3. "Aphasia." Neurology Grand Rounds, University of Miami Medical School, Miami, FL, November, 1980.
4. "Recent developments in aphasia." Neurology Department, Cornell University School of Medicine, New York, NY, November 11, 1980.
5. "Open- versus closed-class lexical access differences." Neuropsychology Division, NYU Medical Center, New York, NY, 1981.
6. "Pure word deafness." Medical Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, December 12, 1981.
7. Hereditary Disease Foundation Workshop, NIH, December 3, 1982.
8. "Word access in the brain." Sloan Computational Neuroscience Workshop, Johns Hopkins University, Baltimore, MD, February 23, 1983.
9. "Epilepsy and behavior" (with Jason Brandt). Second Annual Epilepsy Symposium (Epilepsy Association of Maryland and Johns Hopkins Hospital), Timonium, MD, November 18, 1983.
10. "Recent developments in aphasia diagnosis." Medical Grand Rounds, Greater Baltimore Medical Center, Baltimore, MD, December 1983.
11. Discussant, MIT Workshop on the Cognitive Neuropsychology of Memory, MIT, Boston, MA, March 9, 1984.
12. "The structure of the lexicon." Neurology Department, Albert Einstein Medical Center, New York, NY, July 1984.
13. "Aphasia." Department of Otolaryngology, Johns Hopkins Hospital, Baltimore, MD, February 21, 1985.
14. "Alzheimer's disease and dementia." Washington Adventist Hospital, Takoma Park, MD, May 10, 1985.
15. "Early diagnosis of dementia." Neurology Biennial Meeting, Johns Hopkins Hospital, Baltimore, MD, June 14, 1985.

16. "Issues in evaluating memory disorders with PET." Divisions of Nuclear Medicine and Radiation Health Science, Johns Hopkins Medical Institutions, September 16, 1986.
17. "PET scanning in progressive aphasia." Division of Nuclear Medicine, Johns Hopkins Hospital, Baltimore, MD, February 17, 1987.
18. "Brain architecture of cognition." Conference on Positron Emission Tomography and the Chemistry of Mental Illness, Johns Hopkins Hospital, Baltimore, MD, March 13, 1987.
19. "Recent developments in aphasia." University of Arkansas, VA Medical Center, Little Rock, AR, May 27, 1987.
20. "Alzheimer's disease: an update. Behavioral manifestations." Johns Hopkins Medical and Surgical Association Biennial Meeting, Baltimore, MD, June 12, 1987.
21. "Recent progress in reading disorders." Grand Rounds, Department of Neurology, University of Maryland, Baltimore, MD, June 19, 1987.
22. "Pharmaceutical possibilities for improving memory disorders, aphasia, and attention." PET Pharmaceutical Development Symposium, Johns Hopkins Hospital, Baltimore, MD, June 29, 1987.
23. "Origin of visual and semantic errors in reading." Baltimore-Washington Area Neuropsychology Group, NIH, October 1987.
24. "Empirical data and computational models of word naming." Baltimore-Washington Area Neuropsychology Group, NIH, January 6, 1988.
25. "Dementia." Good Samaritan Hospital, Baltimore, MD, March 7, 1988.
26. "Language disorders in dementia: an overview" (with Ola Selnes, PhD). Maryland Speech-Language-Hearing Association meeting, March, 1989.
27. "Slowly progressive aphasia: an update of the syndrome" (with Ola Selnes, PhD). Maryland Speech-Language-Hearing Association meeting, March, 1989.
28. "Brain-language organization revealed by direct cortical electrical stimulation." Department of Neurology, University of Southern California, June 21, 1989.
29. "Functional and neuroanatomic organization of language revealed by revealed by direct cortical electrical stimulation." Department of Neurology, UCSF, Fresno, CA, July 7, 1989.
30. "Language disorders in dementia." Speech and Hearing Association of Baltimore, Baltimore, MD, July 13, 1989.

31. "Studies with electrical brain stimulation: language." Groupe de Recherche en Neurosciences, Université du Québec à Montréal, Montreal, QB, October 12, 1989.
32. "Current understanding of the functions of the left temporal neocortex." Special Lecture, Japanese Society of Aphasiology, 13th Annual Meeting, Hamamatsu, Japan, November 16, 1989.
33. "Brain organization of language revealed by direct cortical electrical stimulation." Los Angeles Society for Neurology and Psychiatry, Los Angeles, CA, February 21, 1990.
34. "New perspectives on alexia." Department of Neurology, Emory University, Atlanta, GA, April 18, 1990 (Visiting Professor, April 17-20, 1990).
35. "Language and the brain: cortical stimulation studies." Department of Neurology, Emory University, Atlanta, GA, April 20, 1990.
36. Visiting Professor, Cognitive Neurosciences Laboratory, VA Medical Center, Fresno, CA (UCSF), June 11, 1990.
37. "Cortical representation of language", UCLA Department of Neurology (Neurophysiology Program), Los Angeles, CA, June 13, 1990.
38. "Cognitive assessments and cortical stimulation studies with seizure disorders" (with Ron Lesser), Baltimore-Washington area Neuropsychology Group, Baltimore, MD, June 7, 1990.
39. "Wada testing." Second International Cleveland Clinic Epilepsy Symposium, Cleveland, OH, June, 1990.
40. "Language organization studied by direct cortical electrical stimulation", Functional Mapping of the Human Brain Symposium, Johns Hopkins University, Baltimore, MD, June 29-30, 1990.
41. "New perspectives on language in the brain," Neurology Grand Rounds, University of Maryland School of Medicine, Baltimore, MD, October 10, 1990.
42. "Mapping cerebral functions by electrical stimulation," (with Dr. Ronald P. Lesser) Advanced Course in Electroencephalography, St. Vincent's Medical Center, New York, NY, November 28, 1990.
43. "Cerebral organization of language." Rutgers University, New Brunswick, NJ, April 8, 1991.
44. "Investigation of language with cortical stimulation." Hershey Medical Center, Hershey, PA, April 12, 1991.
45. "Prospective study of acquired reading deficits." Hershey Medical Center, Hershey, PA, April 12, 1991.

46. "Brain organization of language studied by cortical stimulation." Neurology Grand Rounds, Jefferson Medical College, Philadelphia, PA, May 10, 1991.
47. California State Athletic Commission, Neurological Validity Study, Los Angeles, CA, July 26-27, 1991.
48. "Electrical lesion studies of language organization and representation." Special lecture, Academy of Aphasia, Annual Meeting, Rome, Italy, October 13, 1991.
49. "New directions in the study of language organization in the brain." Boston VA Aphasia Research Center, Boston, MA, March 12, 1992.
50. "New directions for studying dementia and studying language organization in the brain." Loyola College, Baltimore, MD, March 28, 1992.
51. California State Athletic Commission, Neurological Validity Study, Los Angeles, CA, July 31-August 1, 1992.
52. "Individual differences in behavior and the brain." Special invited lecture: Academia Eurasiana Neurochirurgica, Seoul, Korea, September 16, 1992.
53. "The memory system and its disorders." Special invited lecture: Academia Eurasiana Neurochirurgica, Seoul, Korea, September 17, 1992.
54. "Electrical stimulation of the brain & language." (Organizer and Presenter) World Federation of Neurology Conference, Research Group on Aphasia & Cognitive Disorders, Ontario, Canada, October 24, 1992.
55. "Epilepsy surgery: the contribution of behavioral neurology." Neurology Grand Rounds, University of Miami School of Medicine, Miami, FL, November 6, 1992.
56. "Brain, behavior, and disease: what we know (and what we need to find out)." Neurology Grand Rounds, Ohio State University, Columbus, OH, November 12, 1992.
57. "Language/brain organization: electrical cortical stimulation and acute lesion studies." Grand Rounds, Department of Neurology, University of Pennsylvania, Philadelphia, PA, January 14, 1993.
58. "Language/brain organization: electrical cortical stimulation and acute lesion studies." Grand Rounds, Barrow Neurological Institute, Phoenix, AZ, January 29, 1993.
59. "Language and brain organization from the perspectives of direct cortical electrical interference, direct cortical recording, and acute lesion studies in humans" FESN Conference on the Evolution and Neurology of Language, Geneva, Switzerland, April 15-17, 1993.

60. "Does cortical stimulation give the same view of the brain as lesions do?" Theoretical and Experimental Neuropsychology (TENNET) conference, Montreal, QB, May 12, 1993.
61. "Cortical stimulation and language cognition." World Congress of Neurology, Plenary Session, Vancouver, BC, September 9, 1993.
62. "Medical management of Alzheimer's disease." Elkton Medical Society, Elkton, MD, July 13, 1993.
63. "Overview of dementia and Alzheimer's disease." St. Barnabas Medical Center, Livingston, NJ, July 28, 1993.
64. "New prospects for treatment of dementia." Philadelphia Geriatric Center, Philadelphia, PA, August 2, 1993.
65. "Current theories on the causes of Alzheimer's disease." Morristown Memorial Hospital, Morristown, NJ, August 4, 1993.
66. "Differential diagnosis of Alzheimer's disease." Frederick Memorial Hospital, Frederick, MD, August 15, 1993.
67. "Recovery of higher cognitive functions after focal lesions: Observations and Possible Mechanisms." Grand Rounds, Department of Neurology, Emory University, Atlanta, GA, October 1, 1993.
68. "Medical management of Alzheimer's disease." East Orange General Hospital, East Orange, NJ, October 4, 1993.
69. "Differential diagnosis and treatment of Alzheimer's disease." Neurology Grand Rounds, Veteran Affairs Medical Center, Washington, DC, October 5, 1993.
70. "Diagnosis and management of Alzheimer's disease." Central Pennsylvania Medical Society, Hershey, PA, October 6, 1993.
71. "Where does language go?" American EEG Society, Annual Meeting, New Orleans, LA, October 11, 1993.
72. "Medical management of Alzheimer's disease." Baltimore, MD, October 14, 1993.
73. "Current diagnosis and treatment of Alzheimer's." Cooper Hospital/University Medical Center, Camden, NJ, October 15, 1993.
74. "Medical management of Alzheimer's disease (Part 2)." Frederick Memorial Hospital, Frederick, MD, November 5, 1993.

75. "Differential diagnosis and treatment of Alzheimer's disease." Union Memorial General Hospital, Union, NJ, November 10, 1993.
76. "Organization of language and its cerebral associations." Cognitive Neuroscience Division, NIH, Washington, DC, November 14, 1993.
77. "Diagnosis and Treatment of Alzheimer's disease." JFK Medical Center, Edison, NJ, January 8, 1994.
78. "Medical Management of Alzheimer's disease." Providence Hospital, Washington, DC, January 20, 1994.
79. "General health maintenance of Alzheimer's disease patients." Baltimore, MD, February 3, 1994.
80. "Language processes revealed by direct cortical electrical interference and recording." AAAS Annual Meeting, Symposium on Brain, Mind, and Language, San Francisco, CA, February 23, 1994.
81. "Extraoperative cortical stimulation and pre- and post-operative deficit testing: New tools for probing speech perception/production and reading aloud." USC Hedco Research Center, Los Angeles, CA, February 24, 1994.
82. "Diagnosis and treatment of Alzheimer's disease." Princeton Medical Center, Princeton, NJ, March 1, 1994.
83. "Diagnosis and management of Alzheimer's disease." St Joseph Hospital, Towson, MD, March 23, 1994.
84. "Mapping language and the brain: cortical stimulation, cortical recording, and other methods." USC Neurology Department special lecture, Los Angeles, CA, February 24, 1994.
85. "Neuroanatomy of language and thought." 21st Annual Barrow Neurological Institute Symposium on "Recent Advances in Neurology and Neurosurgery" Phoenix, AZ, March 17-19, 1994.
86. "New developments in Alzheimer's disease." 21st Annual Barrow Neurological Institute Symposium on "Recent Advances in Neurology and Neurosurgery" Phoenix, Az, March 17-19, 1994.
87. "Differential diagnosis and treatment of Alzheimer's disease." Wilmington Neurological Society, Wilmington, DE, May 11, 1994.
88. "Current diagnosis of Alzheimer's disease." The Greater Laurel Beltsville Hospital, Beltsville, MD, May 19, 1994.

89. "Differential diagnosis of Alzheimer's disease." Suburban Hospital, Bethesda, MD, May 25, 1994.
90. "Medical management of Alzheimer's disease." Havre de Grace, MD, May 25, 1994.
91. "Electrocortical stimulation: methodology, possibilities, limitations." 1994 European Summer Institute on Cognitive Neuroscience, Nijmegen, Netherlands, June 24-July 3, 1994.
92. "Current diagnosis and treatment of Alzheimer's disease." Neurology Center Fairfax, Fairfax, VA, June 7, 1994.
93. "Differential diagnosis and treatment of Alzheimer's disease." Northwest Hospital Center, Randallstown, MD, July 6, 1994.
94. "Differential diagnosis and treatment of Alzheimer's disease." The Korean Medical Society, Ocean City, MD, August 13, 1994.
95. "The cortical representation of speech perception and production examined using direct cortical electrical interference," (with Drs. Dana Boatman and Ronald P. Lesser) 1994 International Conference on Spoken Language Processing, Tokyo, Japan, September, 1994.
96. "Language processes: multiple perspectives," (with Dana Boatman) Department of Brain and Cognitive Sciences, MIT (McDonnell-Pew Cognitive Neurosciences Colloquium Series), Cambridge, MA, October 27, 1994.
97. "Plasticity and recovery of the nervous system." The Zanvyl Krieger Mind/Brain Institute with National Institutes of Health and the Office of Naval Research, Johns Hopkins University, Baltimore, MD, February 16-17, 1995.
98. (delivered by Nathan Crone) "Toward total understanding of the brain, by collaboration between Cognitive Science and Neuroscience," Japanese Association for the Advancement of Research Cooperation, March 2-5, 1995.
99. "Neuropsychology of brain dysfunction." The Spectrum of Developmental Disabilities XVII: Behavior Belongs in the Brain - Neurobehavioral Syndromes, Johns Hopkins Medical Institutions, Baltimore, MD, March 27, 1995.
100. "Characterizing the building blocks of cognition: stages and their processing characteristics." The David Bodian Seminars in Neuroscience, The Zanvyl Krieger Mind Brain Institute, Johns Hopkins University, Baltimore, MD, April 11, 1995.
101. "Aging, memory and Alzheimer's disease." Office of the Chaplain, Johns Hopkins Medical Institutions, Baltimore, MD, May 3, 1995.
102. "Cognitive testing." Institute Fellows' Seminar, Kennedy Krieger Learning Center, Baltimore, MD, May 22, 1995.

103. "Medical management of Alzheimer's disease." Medical Center of Delaware, Newark, DE, May 25, 1995.
104. "Current diagnosis and treatment of Alzheimer's disease." US Soldiers and Airmans Home, Washington, DC, May 31, 1995.
105. "Stroke and functional effects of focal lesions." Workshop on Neural Modeling of Cognitive and Brain Disorders, University of Maryland, College Park, MD, June 9, 1995.
106. "Beyond Geschwind: the dynamics of cognitive function." Neurology Grand Rounds, Emory University, Atlanta, GA, October 17, 1995.
107. "Approaches to dementia." Grand Rounds, Department of Medicine at Polyclinic Medical Center, Harrisburg, PA, December 19, 1995.
108. "Speech and language: cortical recording and cortical stimulation studies." Symposium on New Approaches to the Neurobiology of Language. AAAS 1996 Annual Meeting and Science Innovation Exposition, Baltimore, MD, February 10, 1996.
109. "Emotions elicited by electrical stimulation of the brain." Symposium on the Limbic System's Mammalian Heritage: Normal/Deviating Emotion, Memory, Homicidal Action. AAAS 1996 Annual Meeting and Science Innovation Exposition, Baltimore, MD, February 13, 1996.
110. "Medical management of Alzheimer's disease." Kimbrough Army Hospital, Fort Meade, MD, February 21, 1996.
111. "Exploring the stages and connections in cognition with new techniques." Center for Neural & Cognitive Sciences, University of Maryland, College Park, MD, April 12, 1996.
112. "New issues in diagnosis and treatment of Alzheimer's disease." Laurel Regional Hospital, Laurel, MD, April 18, 1996.
113. "Memory." Women's Hamilton Street Club, Baltimore, MD, May 21, 1996.
114. "Beyond Geschwind: new bases for cognitive neurology." Neurology Grand Rounds, Johns Hopkins Hospital, Baltimore, MD, May 9, 1996.
115. "Human memory." Cold Spring Harbor President's Council, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, May 17, 1996.
116. "Speech and language research from multiple perspectives: Electrical brain stimulation, electrical recording, and acute structural lesions." 1996 Nijmegen Conference on Speech Motor Behavior and Fluency Disorders, Nijmegen, Netherlands, June 7, 1996.

117. "Alzheimer's disease: new research, clinical, and social developments." Neurology Grand Rounds, Ohio State University, Columbus, OH, December 5, 1996.
118. "Organization and localization of language in the brain." American Epilepsy Society Annual Meeting, San Francisco, CA, December 8, 1996 [Epilepsia 37(S5) 53, 1996].
119. "Clinical management of Alzheimer's disease: present and future." American Society of Health System Pharmacy, New Orleans, LA, December 11, 1996.
120. "Recovery from acquired reading and naming impairments following focal cerebral resection" NINDS and NIH Office of Rare Diseases, Workshop on "The Role of Neuroplasticity in Rare Developmental Disorders." Bethesda, MD, February 11, 1997.
121. Alzheimer's disease: an update" Medical Grand Rounds, George Washington University Hospital, Washington, DC, February 6, 1997.
122. "Alzheimer's disease" Medical Grand Rounds, National Naval Medical Center, Bethesda, MD, March 6, 1997.
123. "Language localization." American Academy of Neurology (Cortical Localization course), Boston, MA, April 14, 1997.
124. "Memory and Alzheimer's disease." Medical Grand Rounds, Abington Memorial Hospital, Abington, PA, May 28, 1997.
125. "Language and brain organization." ONR Workshop on Cognitive Neuroscience, Woods Hole, MA, September 4-5, 1997.
126. "Cortical stimulation and functional neuroimaging: complementary or redundant information?" American Clinical Neurophysiology Society Annual Meeting, Los Angeles, CA, September 13-15, 1997.
127. "Treatment of Alzheimer's disease." The Neurological Association of New Jersey, New Brunswick, NJ, November 3, 1997.
128. "Alzheimer's disease: an update." Philadelphia Neurological Society, Philadelphia, PA, February 18, 1998.
129. "Behavioral neurology: new foundations and new findings." Neurology Grand Rounds, Beth Israel Deaconess Medical Center, Boston, MA, February 25, 1998.
130. Organizer and Chair, NAAR Workshop on Communication and Language in Low-Functioning Autistics, Washington, DC, April 2-3, 1998.
131. "Memory disorders." 18th Annual AMEDD Neurology Conference, Walter Reed Army Medical Center, Washington, DC, November 18, 1998

132. "The microstructure of language: organization, dynamics, and neuroanatomy." Rodin Symposium, Tokyo, Japan, April 6-8, 1999.
133. "Are there quanta of cognition?" Center for Molecular & Behavioral Neuroscience, Rutgers University, New Brunswick, NJ, April 27, 2000.
134. "Diagnosis and treatment of memory disorders and Alzheimer's disease." Medical Grand Rounds (Neurology Update), Sinai Hospital of Baltimore, Baltimore, MD, June 1, 2000.
135. "Language: recent developments in functional organization, neuroanatomy, and training (aphasia and autism)." Neurology Clinical Grand Rounds, Riyadh Military Hospital, Riyadh, Saudi Arabia, June 4, 2000.
136. "What neuroscience might teach about learning." Pediatrics Grand Rounds, Riyadh Military Hospital, Riyadh, Saudi Arabia, June 6, 2000.
137. "Diagnosis and treatment of memory loss and Alzheimer's disease." Medical Grand Rounds, St Joseph Medical Center, Baltimore, MD, June 21, 2000.
138. "Neuropsychiatry of thought and language (Parts I and II)" American Neuropsychiatric Association, Fort Myers, FL, February 26, 2001
139. "The neuroscientists and the elephant: language and brain organization from multiple perspectives" American Neuropsychiatric Association, Fort Myers, FL, February 26, 2001.
140. "Beyond experience in traumatic brain injury: the effectiveness of interventions for neurobehavioral disorders," Joint meeting of the American Congress of Rehabilitative Medicine and American Society of Neurorehabilitation, Philadelphia, PA, October 5, 2002.
141. "What's on the near horizon in AAC?" Augmentative and Alternative Communication in the New Millennium, second annual conference, American Speech-Language-Hearing Association, Philadelphia, PA, March 26, 2004.
142. "Errorless learning in amnesia: implications for errorless learning methods?" Queens College, Flushing, NY, April 14, 2004.
143. "Training speech in a nonverbal adolescent: implications for cognitive habilitation," Pediatric Neurology Grand Rounds, Johns Hopkins University School of Medicine, Baltimore, MD, September 8, 2004.
144. "Neural networks: implications for disease and for treatment. Speech in nonverbal autism," Grand Rounds, Department of Neurology, Johns Hopkins Medical Institutions, Baltimore, MD, September 30, 2004.

145. "Staying sharp panel: memory, stress and multitasking." At "Life@50+: A Celebration of You," American Association of Retired Persons, Las Vegas, NV, October 16, 2004.
146. "Intelligent memory in everyday life," Louisiana Retired Teachers Association meeting, Monroe, LA, October 26, 2004.
147. "Staying sharp: improving your memory with Dr. Barry Gordon," AARP/NTRA Ethel Percy Andrus Forum, Newport, RI, November 16, 2004.
148. "Improving your memory," "A Woman's Journey, A Johns Hopkins Premier Woman's Health Conference," Baltimore, MD, November 20, 2004.
149. "Individual differences in mind and brain: implications for research and medicine," Dean's Lecture, University of Kentucky School of Medicine, Lexington, KY, May 18, 2005.
150. "Implications of neural networks for disease and treatment: Speech in Nonverbal Autism as a Possible Example," Neurology Grand Rounds, University of Kentucky School of Medicine, Lexington, KY, May 19, 2005.
151. Invited Participant, Teleconference, Launching Ceremony of the Founders Council of the Prince Salman Center for Disability Research, Riyadh, Saudi Arabia, April 16, 2006.
152. "Practical steps for using and improving your memory," Madlyn and Leonard Abramson Center for Jewish Life, Philadelphia, PA, May 24, 2006.
153. "Intelligent memory (Intelligent learning)," Harvard-Dana Conference on Learning & The Brain, Boston, MA, November 9, 2006.
154. "Autism: definitions, diagnosis, and current treatment," Teleconference, Prince Salman Center for Disability Research, Riyadh, Saudi Arabia, March 5, 2007.
155. "Autism and related disorders: definitions, epidemiology, genetics, diagnosis, and some principles of management," Prince Salman Center for Disability Research, Riyadh, Saudi Arabia, June 4, 2006.
156. "Autism and related disorders: definitions, diagnosis, and some principles of management and lifetime care," Prince Salman Center for Disability Research, Riyadh, Saudi Arabia, June 5, 2006.
157. "Memory in health and disease," Special Neurology/Neuroscience Grand Rounds, Johns Hopkins Medical Institutions, Baltimore, MD, March 13, 2008.
158. "Can art spark connections in the brain?" Learning and the Brain Conference, co-sponsored by the Dana Foundation, Washington, DC, May 8, 2009.

159. Participant, Neuroscience Research in Education Summit, University of California, Irvine, CA, June 22-24, 2009.
160. Member, Panel Discussion, "This is your brain on technology." NCTI Technology Innovators Conference, Washington, DC, November 16-17, 2009.
161. "What are the characteristics and predictors of school-aged children who move from nonverbal to verbal?" NIH Workshop on Nonverbal School-Aged Children with Autism, Bethesda, MD, April 13, 2010.

INVITED PUBLIC LECTURES AND SYMPOSIA

1. "Language – the basis of human communication." Special invited lecture: Smithsonian Institution, Washington, DC, *Forum on Science*, November 19, 1992.
2. "Normal and abnormal memory." Special invited lecture: Smithsonian Institution, Washington, DC, *Forum on Science*, December 3, 1992.
3. "Normal and abnormal memory." *The Smithsonian Associates*, Rockville, MD, November 10, 1994.
4. "Aging and the brain." *DABI/AARP Miami Public Forum*, Miami, November 13, 1994.
5. "Memory: what you can't remember, why, and why you shouldn't worry about it." Women's Hamilton Street Club, Baltimore, MD, May 21, 1996.
6. Public forum: "Staying sharp: what's new in brain research." *A Joint Program of AARP, the Dana Alliance for Brain and the AARP Andrus Foundation*, University of Washington, Seattle, June 22, 1996.
7. "Memory" *Kiwanis Club of Maryland*, Silver Spring, MD, August 23, 1996.
8. "Remembering a name: everyday problems and brain studies." *Woman's Board of Johns Hopkins Hospital*, November 25, 1996.
9. "Unraveling the puzzle of Alzheimer's disease" (with Guy McKhann, Richard Mayeux, and Dennis Selkoe). Public Television series "*Your Brain*." WHYY TV, Philadelphia, PA, November 21, 1996.
10. "Your Memory." *A Woman's Journey*, Johns Hopkins University, November 23, 1996.
11. "Memory." The Smithsonian Associates' "*Making Life Bloom*" series, Washington, DC, February 5, 1997.

12. "Memory: how yours works and why it sometimes doesn't." *The Tuckahoe Woman's Club*, Richmond, VA, February 12, 1997.
13. "Alzheimer's disease: an update." *The Association of American University Women (Baltimore Branch)*, Baltimore, MD, March 20, 1997.
14. "Managing your memory: understanding and improving your memory." All-day seminar, Smithsonian Associates, Washington, DC, July 11, 1998.
15. "Alzheimer's disease: what's been accomplished, and what still has to be done." Public Forum, University of Texas Southwestern Medical Center, TX, May 11, 1999.
16. "What neuroscience might teach about teaching (and how teaching might teach neuroscience)." Greenwich Country Day School, Greenwich, CT, September 1, 1999.
17. "Cognitive fitness: strategies for maintaining mental function," Winter National Senior Games - The Senior Olympics, Lake Placid, NY, February 29, 2000.
18. "Memory: remembering and forgetting in everyday life." Greenwich Country Day School, Greenwich, CT, April 25, 2000.
19. "Improving the memory that matters." Johns Hopkins University Alumni Association, Baltimore, MD, June 22, 2000.
20. "Memory techniques for the financial professional," Association for Financial Professionals Annual Meeting, Chicago, IL, October 16, 2001.
21. "Managing your memory." Smithsonian Associates, Washington, DC, October 27, 2001.
22. "Memory and aging – what is normal, what is not." Smithsonian Associates, Washington, DC, November 14, 2002.
23. "Improving your intelligent memory." Smithsonian Associates, Washington, DC, October 27, 2003.
24. "Autism research: what we need in the next five years," National Alliance for Autism Research, Bethesda, MD, March 5, 2004.
25. "Autism research: what we need in the next five years," National Alliance for Autism Research, Pittsburgh, PA, March 11, 2004.
26. "What's on the Horizon in AAC?" National Alliance for Autism Research, Baltimore, MD, March 26, 2004.

27. “How we can learn better (at any age): a cognitive neuroscience perspective,” 2005 Annual Heads Conference, Connecticut Association of Independent Schools, New York State Association of Independent Schools, New Paltz, NY, November 2, 2005.
28. “Improving your memory,” Johns Hopkins Medicine International, Irish Embassy, London, UK, November 10, 2005.
29. “Improving your memory,” Johns Hopkins Medicine International, Toronto, ON, Canada, October 4, 2006.
30. “Make the most of your memory,” Smithsonian Associates, Washington, DC, October 21, 2006.
31. “Why be conscious?” (part of the “Advances in Brain Sciences: The Internal Frontier” program) Smithsonian Associates, Washington, DC, October 18, 2007.
32. “Managing your memory.” (all-day seminar) Smithsonian Associates, Washington, DC, July 29, 2008.
33. “Knowing your mind.” (all-day seminar) Smithsonian Associates, Washington DC, October 4, 2008.
34. “Cultivating creativity.” To be presented at ‘A Woman’s Journey,’ Annual Johns Hopkins Medicine Women’s Health Conference, Baltimore, MD, November 20, 2010.
35. “Detecting normal and abnormal mental status in the outpatient setting.” The 2013 Annual Symposium on Alzheimer’s Disease and Related Dementias. Ft. Myers, FL, March 15, 2013.