

## CURRICULUM VITAE AND BIBLIOGRAPHY

October 2018

**NAME:** Joshua I. Breier

**PRESENT TITLE:** Professor

**WORK ADDRESS:** Center for Clinical Neurosciences  
The University of Texas Medical School at Houston  
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**CITIZENSHIP:** U.S.A.

### UNDERGRADUATE EDUCATION:

1962 – 1966	Cornell University, Ithaca, New York	B.S. Biochemistry
1969 – 1973	Berklee College of Music, Boston, Massachusetts.	B.A. Musical Composition

### GRADUATE EDUCATION:

1992 – 1993	University of Florida, Gainesville, Florida APA approved Internship in Clinical Psychology Neuropsychology Specialty Track, Department of Clinical and Health Psychology,.
1991 – 1993	University of Houston, Houston, Texas. Ph.D. Clinical Neuropsychology, Department of Psychology, Doctoral Dissertation: Spatial and temporal factors in the integration of multisensory information in localization and detection tasks.
1989 – 1991	University of Houston, Houston, Texas M. A. Clinical Neuropsychology, Department of Psychology. Masters Thesis: The effects of equiluminant colored backgrounds on Simple reaction time to flashed luminance decrements and bistable stroboscopic motion percepts.

**POSTGRADUATE TRAINING:**

1993 – 1994 Post-Doctoral Research Fellow  
Neuropsychology Laboratory  
Department of Clinical and Health Psychology  
University of Florida, Gainesville, Florida.

Research: Magnetic resonance imaging of white and gray matter and hippocampal volumes in epilepsy, agnosia for hemiplegia during WADA testing, memory in epilepsy, psychophysiology of implicit memory.

Clinical: Neuropsychological assessment in neurological and psychiatric populations.

**ACADEMIC & ADMINISTRATIVE APPOINTMENTS:**

1994 – 1999 Assistant Professor  
Department of Neurosurgery,  
The University of Texas Medical School/Houston.

1999 – 2007 Associate Professor  
Department of Neurosurgery,  
The University of Texas Medical School/Houston.

2007 – present Professor  
Center for Clinical Neurosciences  
Departments of Pediatrics, Neurology, Neurosurgery  
The University of Texas Medical School/Houston.

1996 – present Adjunct Faculty  
Department of Psychology,  
The University of Houston: Train and supervise graduate students in the Clinical Neuropsychology program; sit on Thesis and Dissertation committees, give lectures on neuropsychological assessment and functional imaging.

**HOSPITAL APPOINTMENTS:**

Credentialed at Hermann Hospital, Houston, Texas

**LICENSURE:** Clinical Psychologist, State of Texas - License # 2-5247

**CERTIFICATION:** Certified Clinical Psychologist, State of Texas

**PROFESSIONAL ORGANIZATIONS (AND COMMITTEES OF THESE):****LOCAL:** Houston Neuropsychological Society (1994-present)**NATIONAL:**

International Neuropsychological Society (1989 - present)  
 American Psychological Association (1998 - present)  
 American Epilepsy Association (1998-present)  
 Society for Neuroscience (1999 – present)

**EDITORIAL POSITIONS:**Ad hoc reviewer:

Developmental Psychology.  
 Epilepsia.  
 Archives of Neurology  
 Scientific Studies of Reading  
 Neuropsychology  
 Developmental Neuropsychology  
 Journal of Experimental Child Psychology  
 Brain Research  
 Learning Disabilities: A Contemporary Journal  
 Journal of Speech, Language and Hearing Research  
 European Journal of Neurology

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

Faculty Interviewer for prospective medical students (1996-2006)  
 Peer Review Committee, Department of Neurosurgery (1997-2000)  
 Played an integral role in organizing and writing the  
 Department of Neurosurgery Self Study as part of the 6 year  
 Departmental Review (1997-1998)  
 Faculty Senator (1999 - 2002)

**SERVICE TO THE COMMUNITY:**

Science Fair Judge – Poe Elementary School (1998; 1999)  
 Coach children's athletic teams: Little League Baseball; YMCA  
 Basketball and Soccer; Church League basketball  
 Work with neighborhood Civic Association, reinstate deed restrictions.  
 Board Member – Near Town Little League, Houston, Texas

**SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE:**

Present: Susan Alderman RN: Doctoral Candidate:  
 University of Texas Health Science Center at Houston School of Nursing.  
 "Information Processing Speed Impairment after Stroke, A descriptive study"

**SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

9/1998 – 8/2000 Patricia Klaas PhD  
 9/2001 – 8/2003 Randi Raizner PhD  
 9/2003 – 8/2005 David Weers PhD  
 9/2005 – 8/2007 Rosario DeLeon PhD  
 9/2007 – 8/2010 Donald Caudle PhD  
 9/2010 – 8 /2012 Kelly Kane PsyD  
 9/2012 – 8/2014 Stephanie Zeid PsyD  
 9/2014 – 8/2016 Lorin Williams PsyD  
 9/2016 – present Lauren Moss PhD

**CURRENT TEACHING RESPONSIBILITIES:**

Supervision of Neuropsychology graduate students from the  
 University of Houston, Department of Psychology in Clinical Practicum.  
 Supervision of 3 to 4 Post-Doctoral Fellows in Neuropsychology  
 Lectures to residents in the Department of Neurology.  
 Guest lecturer at the University of Houston.  
 Reader on comprehensive examinations for PhD candidates at the  
 University of Houston, Department of Psychology.

**MENTORING ACTIVITIES:**

2014 – 2015 Aaron Hong, HSPVA student, on a Senior Project entitled  
 “The Effects of Music Education on Academic Performance

**CURRENT CLINICAL SERVICE RESPONSIBILITIES:**

Perform neuropsychological assessment of approximately 300 adult, adolescent, and  
 pediatric patients per year, representing approximately 2000 hours of patient interaction.  
 Approximately 60% of assessment is as the chief neuropsychologist with the Texas  
 Comprehensive Epilepsy Program and includes neuropsychological testing for the  
 purposes of lesion localization, Wada testing, and intra-operative and extra-operative  
 functional mapping of receptive and expressive language cortex.

**CURRENT GRANT SUPPORT:**

2015-2020 **Co-Investigator** (5% effort) "Brain Networks of Noun Generation"  
 National Institutes of Health 1RO1DC014589-01A! (Nitin Tandon).

2016–2021 **Co-Investigator** (8% effort) " A unified cognitive network model of  
 language" National Institutes of Health 1U01NS098981 (Nitin Tandon).

**PAST GRANT SUPPORT:**

2008-2013 **Co-Investigator** (35% effort) – “Mission Connect Mild TBI  
 Translational Research Consortium” (Andrew C. Papanicolaou, PI).  
 Department of Defense, PT074693.

2004 – 2009 **Principal Investigator** (40% effort) –  
 “Functional brain reorganization in recovery from aphasia”.

Project 1 of the Program Project Grant entitled  
 “Functional Brain Reorganization in Stroke Recovery”  
 (Andrew C. Papanicolaou, PI). NINDS, NIH Grant PO1NS046588..

- 2001-2005 **Co-Investigator** (5% effort) –  
 "Early Development of Auditory Temporal Processing"  
 Principal Investigator: Lincoln Gray, Ph.D.; NIH \$753,426.
- 2000 – 2005 **Co-Investigator** (25% effort)  
 “Brain Activation Profiles in Dyslexia: A MEG Study”  
 Papanicolaou) 1 RO1 HD38346-01A1, National Institutes of Health.  
 \$ 1,488,374
- 1998 – 2003 **Principal Investigator** (40% effort) “Auditory temporal processing in  
 children with dyslexia”, 1 RO1 HD/DC35938-01A1,  
 National Institute of Child Health and Human Development, \$701,335 ().
- 1999-2004 **Co-Investigator** (20% effort)  
 "Contributions of MEG to the Surgical Management of Epilepsy"  
 (Papanicolaou), 1 RO1 NS37941-01A1. National Institutes of Health,  
 \$2,674,447
- 2000-2003 **Co-Investigator** (5% effort)  
 "Early Development of Auditory Temporal Processing"  
 Principal Investigator: Lincoln Gray, Ph.D.;  
 March of Dimes #12-FY-00-0166. \$178, 851
- 2001-2002 **Co-Investigator** (Instrumentation grant)  
 "Acquisition of Magnetic Source Imaging System for Cognitive and  
 Educational Neuroimaging." PI: Andrew C. Papanicolaou,  
 National Science Foundation. BCS-0116150. \$2,000,000
- 1998 -1999 **Principal Investigator** - “Auditory temporal processing in children with  
 reading disabilities”, 1 12-FY98-0214,  
 March of Dimes Birth Defects Foundation.
- 9/1/94 - 9/1/98 **Co- Investigator** - “Effects of early auditory experience on binaural  
 hearing”. NIH grant 5 RO1 DC00018-06 (Gray).

**PUBLICATIONS: (List ONLY those published or accepted for publication. DO NOT INCLUDE PAPERS SUBMITTED FOR PUBLICATION OR IN PREPARATION. Use the citation style noted below. Separate the publications into the following categories.)**  
**Date order should be oldest (first) to current (last)**

**A. Abstracts**

1. Breitmeyer, B.G., and **Breier, J. I.** Background color effects on visual reaction time and scanning rate. Paper presented at the annual meeting of the Psychonomic Society, Washington, D.C., Nov. 5 - 7. 1993.
2. **Breier, J. I.**, and Gray, L. Sound source localization in pre- and post-operative unilateral atresia patients. *Journal of Clinical and Experimental Neuropsychology* 15:39, 1993.
3. **Breier, J. I.**, Culhane, K. A., Rettig, G. M., and Rutecki, P. The relationship of indices of language and memory laterality formed from Wada test data to variables affecting interhemispheric reorganization of these functions. *Journal of Clinical and Experimental Neuropsychology* 15:39, 1993.
4. **Breier, J. I.**, Leonard, C. M., Bauer, R. M., Gilmore, R., and Roper, S. Interhemispheric asymmetries in an index of temporal lobe cortical volume in patients with temporal lobe epilepsy. *Epilepsia* 35:147, 1994.
5. Leonard, C. M., Lombardino, L. J., Mercado, L., Foundas, A. L., Browd, S., **Breier, J. I.**, Agee, O. F., and Heilman, K. M. Increased asymmetry of the planum temporale parallels improved phonological conceptual ability during childhood. *Society for Neuroscience Abstracts*, 1994.
6. **Breier, J. I.**, Gray, L., and Jahrsdoerfer, R. A. Accuracy and precision in horizontal localization after correction for congenital conductive hearing loss. *Association for Research in Otolaryngology Abstracts* 19:188, 1995.
7. **Breier, J. I.**, Plenger, P. M., Wheless, J. W., Thomas, A. B., Brookshire, B. L., Willmore, L. J., and Papanicolaou, A. C. Differential effects of early onset seizure activity on figural and spatial memory in patients with temporal lobe epilepsy. *Epilepsia* 36:132, 1995.
8. Plenger, P. M., **Breier, J. I.**, Wheless, J. W., Brookshire, B. L., Papanicolaou, A. C., Thomas, A. B., and Willmore, L. J. The utility of the MMPI in differentiating non-epileptic seizure disorder from frontal lobe epilepsy. *Annual Meeting of the American Epilepsy Society, Baltimore, MD. Epilepsia* 36:136, 1995.

9. **Breier, J. I.**, Plenger, P. M., Wheless, J. W., Thomas, A.B., Brookshire, B. L., Curtis, V. L., Papanicolaou, A. C., Willmore, L. J. Evidence or re-organization of spatial and figural memory following early seizure activity. American Epilepsy Society, 1995.
10. Bauer, R. M., Breier J. I., Crosson, B., Gilmore, R., Fennell, E. B., and Roper, S. Neuropsychological functioning before and after unilateral temporal lobectomy for intractable epilepsy. *Journal of the International Neuropsychological Society* 1:362, 1995.
11. Gray, L., **Breier, J. I.**, and Jahrsdoerfer, R. Localization of reverberant and anechoic virtual stimuli after correction for congenital conductive hearing losses. *Association for Research in Otolaryngology Abstracts* 19:188, 1995.
12. **Breier, J. I.**, Plenger, P. M., Fuchs, K., Castillo, E. M., Wheless, J. W., Thomas, A. B., Brookshire, B. L., Willmore, L. J., and Papanicolaou, A. C. Effects of temporal lobe epilepsy on spatial and figural aspects of memory for a complex geometric figure. 24<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Chicago, IL, 1996; *Journal of the International Neuropsychological Society* 2:53, 1996.
13. Plenger, P. M., **Breier, J. I.**, Willmore, L. J., Wheless, J. W., Thomas, A. B., Brookshire, B. L., Papanicolaou, A. C. Relationship of neuropsychological tests of frontal functioning to frontal lobe seizures. Annual International Neuropsychological Society Meeting, Chicago, IL, 1996.
14. **Breier, J. I.**, Thomas, A. B., Mullani, N., Plenger, P. M., Wheless, J. W., Papanicolaou, A.C., and Willmore, L. J. Effects of age at onset and duration of chronic seizure disorder on asymmetries in temporal lobe metabolism and blood flow in complex partial epilepsy. *Epilepsia* 37(Suppl. 5), 1996.
15. Brookshire, B. L., **Breier, J. I.**, Fletcher, J. M., Plenger, P. M., Wheless, J. W., Thomas, A. B., Papanicolaou, A. C., and Willmore, L. J. Cognitive profiles of adults with temporal lobe epilepsy and academic deficits. Annual Meeting of the American Epilepsy Society, December, 1996; *Epilepsia* 37 (Suppl. 5):128, 1996.
16. **Breier, J. I.**, Thomas, A.,B., Mullani, N., Plenger, P.M., Wheless, J.W., Papanicolaou, A.C., and Willmore, L.J. Effects of age at onset and duration of chronic seizure disorder on asymmetries in temporal lobe metabolism and blood flow in complex partial epilepsy. Poster presented at the Annual Meeting of the American Epilepsy Society, December 1996.
17. Brookshire, B. L., **Breier, J. I.**, Fletcher, J. M.; Plenger, P. M.; Wheless, J. W., Thomas, A.B., Papanicolaou, A. C., and Willmore, L. J. Cognitive profiles of adults with temporal lobe epilepsy and academic deficits. Poster presented at the annual meeting of the American Epilepsy Society, December, 1996.

18. Plenger, P. M., **Breier, J. I.**, Brookshire, B. L., Wheless, J. W., Thomas, A. B., Papanicolaou, A. C., and Willmore, L. J. Enhancing the discrimination of left temporal lobe epilepsy during the intracarotid sodium amobarbital procedure. *Epilepsia* 37 (Suppl. 5):133, 1996.
19. **Breier, J. I.**, Brookshire, B. L., Fletcher, J. M., Plenger, P. M., Wheless, J. W., Thomas, A. B., Papanicolaou, A. C., and Willmore, L. J. Identification of side of seizure onset in temporal lobe epilepsy using memory tests in the context of academic achievement deficit. *Journal of the International Neuropsychological Society* 3:9, 1997.
20. Plenger, P. M., **Breier, J. I.**, Mullani, N., Wheless, J. W., Thomas, A. B., Papanicolaou, A., and Willmore, L. J. Asymmetries in frontal lobe glucose uptake and executive functions in temporal lobe epilepsy. *Journal of the International Neuropsychological Society* 3:73, 1997.
21. Fuchs, K., **Breier, J. I.**, Brookshire, B. L., Wheless, J. W., Thomas, A. B., Papanicolaou, A. C., and Willmore, L. J. The relationship between memory and language performance during the Intracarotid Amobarbital Procedure. Annual Meeting of the American Epilepsy Society; Boston, MA; December, 1997; *Epilepsia* 38 (Suppl. 8): 217-218, 1997.
22. Caudle, D., **Breier, J. I.**, Brookshire, B.L., Wheless, J.W., Thomas, A.B., Papanicolaou, A., and Willmore, L. J. MMPI profiles as a function of side of seizure operation in temporal lobe epilepsy. *Journal of the International Neuropsychological Society* 4(1):19, 1998.
23. Fuchs, K., **Breier, J. I.**, Brookshire, B. L., Wheless, J. W., Thomas, A. B., Papanicolaou, A. C., and Willmore, L. J. Language laterality affects Wada test performance. *Journal of the International Neuropsychological Society* 4(1):73, 1998.
24. Papanicolaou, A., Simos, P., **Breier, J. I.**, and Zouridakis, G. Language mapping with magnetoencephalography (MEG). *Journal of the International Neuropsychological Society* 7:S211, 1998.
25. Papanicolaou, A. C., Simos, P., **Breier, J. I.**, and Zouridakis G. Language mapping with magnetoencephalography. Poster presented at the Annual International Meeting of the International Neuropsychological Society, July, 1998.
26. Zouridakis, G., Simos, P., **Breier, J. I.**, and Papanicolaou, A. C. Assessment of functional hemispheric asymmetries in a visual task using MEG. Paper presented at the 16th Annual Houston Conference on Biomedical Research. Houston, Texas, April 2 -3, 1998.



27. Kuldau, J. M., Leonard, C. M., **Breier, J. I.**, Zuffante, P., Gautier, E. R., Heron, D. C., Laverv, E. M., Packing, J., Williams, S. A., and DeBose, C. Cumulative effect of cerebral risk factors on the diagnosis of schizophrenia: An MRI study. Society of Neuroscience Abstracts, 1998.
28. **Breier, J. I.**, Simos, P.G., Zouridakis, G., Papanicolaou, A. C. Reliability of MEG lateralization and localization of receptive language areas. 52<sup>nd</sup> Annual Meeting of the American Epilepsy Society; December 1998; *Epilepsia* 39 (Suppl. 6):143, 1998.
29. Papanicolaou, A.C., **Breier, J. I.**, Gormley, W. B., Simos, P. G., Wheless, J. W., Constantinou, J. E. C., and Willmore, L. J. Comparison of language mapping using extra- and intraoperative electrocortical stimulation and magnetoencephalography. *Epilepsia* 39 (Suppl. 6):107-108, 1998.
30. Wilson, M. E., Shelley, K. S., McMullen, M., and **Breier, J. I.** People with epilepsy in the work place. *Epilepsia* 39 (Suppl. 6):238, 1998.
31. Willmore, L. J., Wheless, J. I., **Breier, J. I.**, Kataki, M., Smith, J. R., King, D. W., Meador, J. K., Park, Y. D., and Loring, D. W. A comparison of magnetoencephalography (MEG), MRI, and V-EEG in patients evaluated for epilepsy surgery. *Epilepsia* 39 (Suppl. 6):64, 1998.
32. Simos, P. G., **Breier, J. I.**, Zouridakis, G., and Papanicolaou, A. C. Identification of language-related brain activity using magnetoencephalography. 11th International Conference on Biomagnetism, Biomag 98, Sendai Japan, August 28-September 2, 1998.
33. Zouridakis, G., Simos, P. G., **Breier, J. I.**, and Papanicolaou, A. C. Cerebral dominance assessment using magnetoencephalography. 11th International Conference on Biomagnetism, Biomag98, Sendai Japan August 28-September 2, 1998.
34. Papanicolaou, A. C., Simos, P. G., **Breier, J. I.**, and Zouridakis, G. Mapping of language specific cortex with MEG. 11th International Conference on Biomagnetism, Biomag98, Sendai, Japan August 28-September 2, 1998.
35. Zouridakis G., Simos P. G., **Breier J. I.**, and Papanicolaou A. C. Assessment of functional hemispheric asymmetries in a visual language task via MEG." *Biomag98*, P-IX-35, p230, 1998.
36. Papanicolaou, A. C., Simos, P. G., **Breier, J. I.**, and Zouridakis, G. Language mapping with magnetoencephalography (MEG). *Neuroimage*, 7, S178, 1998.

37. Papanicolaou, A. C., Simos, P. G., **Breier, J. I.**, and Zouridakis, G. Language mapping with magnetoencephalography. Fourth International Conference on Functional Mapping of the Human Brain, June 1998.
38. Maggio W.W., Simos P.G., Breier J.I., Zouridakis G., Gormley W.B., Constantinou J.E.C., Wheless J.W., Papanicolaou A.C. Magnetic Source Imaging Speech Mapping: Comparison with Intraoperative Speech Mapping. Rocky Mountain Association Meeting, 1999.
39. Simos, P.G., **Breier, J. I.**, Zouridakis, G., and Papanicolaou, A.C. MEG correlates of categorical perception of temporal cues for voicing in humans. Journal of the International Neuropsychological Society, 5: S135, 1999.
40. **Breier, J. I.**, Simos, P. G., Zouridakis, G., and Papanicolaou, A. C. Timing of neuronal activity in distinct areas of the brain during a verbal recognition memory task. Journal of International Neuropsychology Society 5:153, 1999.
41. Wright, M., **Breier, J. I.**, Wheless, J. W., Constantinou, J. E. C., and Willmore, L. J. Anxiety and conversion symptoms in adolescent pseudoseizures. Journal of International Neuropsychology Society 5:135, 1999.
42. Simos, P. G., **Breier, J. I.**, Zouridakis, G., and Papanicolaou, A. C. MEG correlates of categorical perception of temporal cues for voicing in humans. Paper presented at the February 1999 International Neuropsychological Society Meeting. Journal of International Neuropsychology Society 5:125-126, 1999.
43. **Breier, J. I.**, Zouridakis, G., Simos, P. G., and Papanicolaou, A. C. Timing of activity in distinct brain areas during a recognition memory task for words. Paper presented at the 17th Annual Houston Conference on Biomedical Engineering Research, February 10-13, Houston, Texas, 1999.
44. Papanicolaou, A. C., Simos, P. G., **Breier, J. I.**, and Zouridakis, G. MEG-derived maps of language-specific cortex. 27<sup>th</sup> Annual Meeting of the International Neuropsychological Society; Boston, Massachusetts; February 10-13, 1999.
45. Zouridakis, G., Simos, P. G., **Breier, J. I.**, Gormley, W. B., Wheless, J. W., Constantinou, J. E. C. and Papanicolaou, A.C. Language mapping via magnetoencephalography. Paper presented at the 17th Annual Houston Conference on Biomedical Engineering Research, Houston, Texas, February 10-13, 1999.
46. Papanicolaou, A. C., Zouridakis, G., Simos, P. G., **Breier, J. I.**, Maggio, W. W., Gormley, W. B., Constantinou, J. E. C., Wheless, J., Willmore, L. J., and Kramer, L. A. Comparison of MSI and invasive brain mapping procedures: normative and clinical studies of language. 5<sup>th</sup> International Conference on Functional Mapping of the Human Brain. Dusseldorf, Germany; June 22-26, 1999.

47. Papanicolaou, A. C., Simos, P. G., Zouridakis, G., **Breier, J. I.**, Gormley, W. B., Constantinou, J. E. C., Wheless, J. W., and Maggio, W. W. Applications of MEG to the mapping of the language cortex. 2<sup>nd</sup> Annual Symposium on Non-Invasive Functional Source Imaging. Dubrovnik, Croatia; September 3 -7, 1999.
48. Papanicolaou, A. C., Simos, P. G., Zouridakis, G., **Breier, J. I.**, Gormley, W. B., Constantinou, J. E., Wheless, J. W., and Maggio, W. W. Mapping the language cortex with MSI. 23<sup>rd</sup> Annual International Epilepsy Congress; September 12-17, 1999; Prague, Czech Republic.
49. Maggio, W. W. Simos, P. G., **Breier, J. I.**, Zouridakis, G., Gormley, W. B. Constantinou, J. E., Wheless, J. W., and Papanicolaou, A. C. Speech mapping with MSI: Comparison with intraoperative speech mapping. 23<sup>rd</sup> Annual International Epilepsy Congress; September 12-17, 1999; Prague, Czech Republic.
50. Papanicolaou, A. C., Simos, P. G., Zouridakis, G., **Breier, J. I.**, Gormley, W. B., Constantinou, J. E., Wheless, J. W., and Maggio, W. W. Mapping the receptive language cortex. 1999 Annual Meeting, Society for Neuroscience, October 23-28, 1999. Society for Neuroscience Abstracts, 25(2): 1635, 1999.
51. Simos, P. G., **Breier, J. I.**, Fletcher, J. M., and Papanicolaou, A. C. Failure to engage brain areas involved in phonological decoding in dyslexic children: A magnetic source imaging study. Society for Neuroscience Abstracts, 25(2): 2170, 1999.
52. Papanicolaou, A.C., Simos, P. G., **Breier, J. I.**, Zouridakis, G., Constantinou, J. E., Wheless, J. W., and Maggio, W. W. Applications of MEG to the mapping of the language cortex. 53<sup>rd</sup> Annual Meeting of the American Epilepsy Society; Orlando, Florida; December 3-9, 1999.
53. Simos, P. G., Fletcher, J. M., Breier, J. L., Bergman, E., Zouridakis, G., and Papanicolaou, A.C. Failure to engage brain areas involved in phonological access in dyslexia: a magnetic source imaging study. Annual Meeting, Society for Neuroscience, October 23-28, 1999. Society of Neuroscience Abstracts, 25(2): 2170, 1999.
54. Papanicolaou, A.C., Simos, P.G., **Breier, J. I.**, Zouridakis, G., Constantinou, J. E., Wheless, J.W., and Maggio, W.W. Applications of MEG to the mapping of language specific cortex. Abstract presented at the 53<sup>rd</sup> Annual Meeting of the American Epilepsy Society, December 3-9, 1999. Epilepsia 40(7): 178, 1999.
55. **Breier, J. I.**, Clark, A., Cass, J. Wheless, J. W., Constantinou, J. E. C. Profiles of cognitive performance in TLE patients with and without learning disability. Abstract presented at the 53<sup>rd</sup> Annual Meeting of the American Epilepsy Society, December 3-9, 1999. Epilepsia 40(7): 47, 1999.

56. Maggio, W. W., Simos, P. G., **Breier, J. I.**, Zouridakis, G., Gormley, W. B., Constantinou, J. E. C., Wheless, J. W., and Papanicolaou, A. C. Speech mapping with magnetic source imaging: comparison with intraoperative speech mapping. *Epilepsia* 40 (Suppl. 2): 50, 1999.
57. Maggio, W. W., Simos, P. G., **Breier, J. I.**, Zouridakis, G., Gormley, W. B., Constantinou, J. E. C., Wheless, J. W., and Papanicolaou, A. C. Magnetic source imaging speech mapping: comparison with intraoperative speech mapping. Paper presented at the annual meeting of the Rocky Mountain Association, 1999.
58. Simos, P. G., **Breier, J. I.**, Fletcher, J. M., Foorman, B. R., Bergman, E., and Papanicolaou, A. C. Consistent failure to engage brain areas involved in phonological decoding in dyslexia: A magnetic source imaging study of two consecutive series in children. *Journal of the International Neuropsychological Society*, 6:211, 2000.
59. **Breier, J. I.**, Clark, A., Cass, J., Fletcher, J. M., Brookshire, B., Wheless, J. W., and Constantinou, J. E. C. Specific reading disability in temporal lobe epilepsy and reorganization of language function. *Journal of the Neuropsychological Society*. 6 (Suppl. 2): 197, February, 2000.
60. Papanicolaou, A.C., Simos, P.G., **Breier, J. I.**, Zouridakis, G., Constantinou, J.E., Wheless, J.W., and Maggio, W.W. Applications of MEG to the mapping of the language-specific cortex. *Epilepsia*, 40 (suppl. 7):179, 2000.
61. Maggio, W. W., Simos, P. G., **Breier, J. I.**, Zouridakis, G., Gormley, W. B., Constantinou, J. E., Wheless, J. W., and Papanicolaou, A. C. Magnetic source imaging speech mapping: comparison with interoperative speech mapping. *Epilepsia*, 40 (Suppl. 7): 181, 2000.
62. Simos, P. G., **Breier, J. I.**, Fletcher, J. M., Foorman, B. R., Bergman, E., and Papanicolaou, A. C. Consistent failure to engage brain areas involved in phonological coding in dyslexia: A magnetic source imaging study of two consecutive series of children. 28<sup>th</sup> Annual Meeting of the International Neuropsychological Society; Denver, Colorado; February 9-12, 2000.
63. Simos, P. G., **Breier, J. I.**, Wheless, J. W., Maggio, W. W., and Papanicolaou, A. C. Mechanisms for reading words and pseudowords: insights from functional imaging and electrocortical stimulation. 23<sup>rd</sup> Mid Year Annual Meeting of the International Neuropsychological Society; Brussels, Belgium; July 12-15, 2000.
64. Simos, P. G., **Breier, J. I.**, Fletcher, J. M., Foorman, B. R., Mouzaki, A., and Papanicolaou, A. C. Age-related changes in regional brain activation during phonological decoding and printed word recognition. 23<sup>rd</sup> Mid Year Annual Meeting of the International Neuropsychological Society; Brussels, Belgium; July 12-15, 2000.

65. **Breier, J. I.**, Wheless, J. W., Simos, P. G., Constantinou, J. E. C., Baumgartner, J. E., Venkataraman, V., and Papanicolaou, A. C. Language dominance in children as determined by magnetic source imaging and the intracarotid amobarbital procedure: A comparison. Paper presented at the 29<sup>th</sup> Annual Meeting of the Child Neurology Society. St. Louis, MO, October 25 – 28, 2000.
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## **B. Refereed Original Articles in Journals**

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### C. Invited Articles (Reviews, Editorials, etc.) in Journals

1. Neuropsychological evaluation of patients with intractable temporal lobe epilepsy in the context of academic achievement deficit. Lecture presented at the monthly meeting of the Houston Neuropsychological Society, January, 1997.
2. Functional brain mapping with magnetoencephalography. Lecture presented at the monthly meeting of the Houston Neuropsychological Society, January 1998.
3. The concept of central auditory processing disorder and its relationship to dyslexia. Lecture presented at the Region IV school district conference entitled "Dyslexia: putting the pieces together", September 1999.
4. A case of crossed aphasia in a patient with bilateral language representation confirmed by MEG. Lecture presented at the monthly meeting of the Houston Neuropsychological Society, December 1999.
5. Language mapping with magnetoencephalography: An update. Lecture presented at the monthly meeting of the Houston Neuropsychological Society, May 2000.
6. Functional imaging in dyslexia. Lecture presented at the Region IV school district conference entitled "Dyslexia: into the new millennium", September 2000.
7. The Injured Brain: Stroke and Trauma: Delivered at the 8<sup>th</sup> annual public forum for Brain Awareness Week, The University of Texas Medical School at Houston, Houston, Texas, March 15, 2003.
8. Functional imaging in chronic aphasia after stroke. Lecture presented at the Stroke Update 2004: Neuro-Recovery conference, March 5- 6, 2004, sponsored by The University of Texas Health Science Center at Houston, Department of Neurology and the Office of Continuing Medical Education.
9. Maps of Receptive Language Function in Patients with Chronic Aphasia after Stroke using Magnetoencephalography. Lecture presented to the Houston Neuropsychological Association, Presidents Induction, March 5, 2004.
10. Imaging Language Function in Patients with Chronic Aphasia after Stroke using Magnetoencephalography. Lecture presented at the Texas Institute for Rehabilitation and Research REDS meeting, October 12, 2004.
11. Neuroimaging: Application to Adult and Child Language Disorders. Lecture presented at the Symposium on Language and Motor Speech Disorders in Children and Adults: Advances in Research and Intervention, The University of Houston, October 5, 2005.

12. The Aging Brain: Delivered at the 10<sup>th</sup> annual public forum for Brain Awareness Week, The University of Texas Medical School at Houston, Houston, Texas, March, 2005.
13. Memory: Delivered at the 11<sup>th</sup> annual public forum for Brain Awareness Week, The University of Texas Medical School at Houston, Houston, Texas, March 15, 2006.
14. Mild Cognitive Impairment: Talk given to the Houston Chapter of the Alzheimer's Association, May 8<sup>th</sup> 2006.
15. Changes in Language-Specific Brain Activation and Response to Aphasia Therapy Using Magnetoencephalography. Paper presented at the 37<sup>th</sup> annual meeting of the International Neuropsychological Society, Atlanta, GA, Feb. 10 – 14, 2009.
16. Plasticity in language cortex using magnetoencephalography. Lecture given at the Annual Meeting of the American Speech-Language-Hearing Association, New Orleans, LA, Nov. 19 - 21, 2009

## D. CHAPTERS

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