

Valerie L. Shafer

**Work Address**

Ph.D. Program in Speech-Language-Hearing Sciences  
The Graduate School and University Center  
The City University of New York  
(212) 817-8805/8833

**Home Address**

Cold Spring, NY 10516

**Present Position:** Professor, Ph.D. Program in Speech-Language-Hearing Sciences, City University of New York, The Graduate School and University Center.

**Research Interests**

The investigation of language processing in both first and second-language acquisition, with a focus on neurophysiological correlates. Specific interests include investigating 1) the relationship between speech processing abilities and language learning, 2) the relationship between brain development and language acquisition, 3) speech perception in second-language learning and 4) language development in children with Developmental Language Disorders.

**Teaching Interests**

Neurophysiology of speech and language; Typical and disordered acquisition of speech and language; Second-language speech perception and language learning; Electrophysiological methods

**Education**

9/94	<b>Ph.D.</b> Linguistics	State University of New York at Buffalo, Buffalo, New York.
5/90	<b>M.A.</b> Linguistics	State University of New York at Buffalo, Buffalo, New York.
5/84	<b>B.A.</b> Linguistics	University of Rochester, Rochester, New York.

**Professional Experience**

2019	Interim Human Subjects Protection Program Coordinator
2018-2019	Associate Director, MS Program in Cognitive Neuroscience
2018-	Professor, MS Program in Cognitive Neuroscience, The Graduate School and University Center, City University of New York
2016-2018	Deputy EO, Ph.D. Program in Speech-Language-Hearing Sciences, The Graduate School and University Center, City University of New York
2015-2016	Acting Executive Officer, Ph.D. Program in Speech-Language-Hearing Sciences, The Graduate School and University Center, City University of New York
2012-2014	Adjunct Researcher, Center For Advanced Study of Language (CASL), University of Maryland
2012-	Zukunftskolleg Senior Fellow, University of Konstanz, Germany
2010-	Professor, Ph.D. Program in Linguistics, The Graduate School and University Center, City University of New York
2009-	Professor, Ph.D. Program in Speech-Language-Hearing Sciences, The Graduate School and University Center, City University of New York
2004-2009	Associate Professor, Ph.D. Program in Speech-Language-Hearing Sciences, The Graduate School and University Center, City University of New York

- 1999-2004 Assistant Professor, Ph.D. Program in Speech-Language-Hearing Sciences, The Graduate School and University Center, City University of New York
- 1995-2004 Visiting Assistant Professor of Otolaryngology, Albert Einstein College of Medicine
- 1995-1999 Assistant Professor, Speech-Language-Hearing Sciences, Hofstra University.
- 1994-1995 Post-doctoral Fellow, Speech and Hearing Sciences, CUNY, Graduate School, NY.

### **Professional Society Memberships**

- Member, American Speech Language Hearing Association
- Member, Cognitive Neuroscience Society
- Member, International Association for the Study of Child Language
- Member, Society for the Neurobiology of Language
- Member, Society for Psychophysiological Research

### **Awards and Honors**

- Sept, 2014 Alumni Ambassadors Club, University of Konstanz, Germany
- July 15, 2014 Zukunftskolleg Senior Fellow Lecture Award
- 6/2012-present Zukunftskolleg Senior Fellowship, University of Konstanz, Germany
- 8/90-8/92 Cognitive Science Fellowship, Center for Cognitive Science, SUNY at Buffalo
- 8/87-5/90 University Presidential Fellowship, SUNY at Buffalo
- 7/89 LSA Summer Institute of Linguistics Fellowship
- 6/80 Bausch and Lomb Science Award (High School)

### **Dissertation Direction at The Graduate Center, CUNY (completed)**

- 2002 Mara L. Morr, *Mismatch Negativity Elicited to Vowels in Children and Adults and it's Association to Behavioral Performance*.
- 2003 Kathy L Kessler. *ERP Correlates of Morphosyntactic and Word-Order Phenomena in Native Speakers and Second-Language Learners of English* (co-chair: Gita Martohardjono, Linguistics).
- 2004 Nathan Maxwell. *Cortical Indices of Picture Name Encoding Times in Fluent and Stuttering Adults*
- 2007 Miwako Hisagi. *ERP indices of native versus nonnative temporal speech processing in Japanese and English Listeners* (co-chair, Winifred Strange).
- 2007 Yael Neuman. *ERP evidence of the effect of aging on lexical access* (co-chair with Loraine Obler).
- 2008 Michelle MacRoy. *Word learning and phonological representations in children who are late talkers* (co-chair with Richard Schwartz).
- 2009 Baila Tropper. *Cognitive control in children with and without specific language impairment* (co-chair, Richard Schwartz)
- 2010 Hia Datta. *ERP evidence of Interference effects on processing of first and second languages* (co-chair with Loraine Obler)

- 2010 Monica Wagner. *Early and late stages of neural speech processing in native English and native-Polish listeners: A behavioral and ERP study*
- 2013 Garrido-Nag, Karen. *Neurophysiological indices of attention to sound in infants*
- 2013 Vivona, Anthea *Frequent elements in infant-directed speech in mothers at risk for post-partum depression*
- 2013 Carol Tessel, *Speech perception of word cognates in Spanish-English bilinguals*
- 2013 Yu, Yan, *Neurodevelopmental basis of Chinese tone perception in native and non-native listeners*
- 2015 Jen Gerometta, *Phonetic properties on child story books*
- 2015 Judith Ionatta *Neural measures of attention to vowel contrasts in children*
- 2015 Austin, Sarita *Access to others' minds in two-year old children with Autism Spectrum Disorders*
- 2015 Vidal, Nancy. *Neural indices of speech perception in bilingual children*
- 2016 Zane, Emily. *On the screen, in the mind: An ERP investigation into the interaction between visuo-spatial information and spatial language during on-line processing*
- 2016 Eve Higby (co-chaired with Loraine Obler). *Native-Language adaptation to novel verb argument structures by Spanish-English bilinguals: An electrophysiological investigation*
- 2016 Vikas Grover, *Perception and Production of English /v/ and /w/ by Hindi second language users of English*
- 2017 Marie Michelle Monereau *Patterns of Definite Article Use in the Heritage Language Among U.S. Born Heritage Speakers of Haitian-Creole (posthumous degree)*

### ***In Progress***

Jason Rosas, *Perception of complex onsets in dyslexia: the sonority hypothesis*

Sarah Kresh, *Neural indices of number and agreement in preschool children*

Iris Strangmann

Alahna Cogburn

**Miscellaneous Research Supervision**

Teresa Ribas-Prat (Carles Escera, Ph.D. advisor, Universidad Barcelona). Secondary research experience. October 2019-January 2020.

Cindy Xu. New York University STEM for Girls. *Speech perception of consonant clusters in bilingual listeners*. July, 2019.

Theresa Bloder, (Tanja Rinker, Principal Supervisor, Eichstadt-Ingolstadt). Second Supervisor. Secondment placement The Multilingual Mind. Marie Sklodowska-Curie Innovative Training Networks, European Commission. Grant Number 765556.

Katherine Wang, New York University STEM for Girls. *Suppression of non-target speaker voice with and without a coffee*. July 2018.

Isabel Slingerland Ossining High School, *Neural measures of picture-sentence processing in teenage children*. Qualified for International Science Fair, Houston Texas, ISWEEP. May 3-8, 2017.

Celine Khoo, Ossining High School, *Training English vowels in Spanish-English bilingual late-learning children*. Selected as a top scholar in the Regeneron Science Talent Search. January, 2017.

Rekha Crawford, Briarcliff Highschool, Perception of French vowels in highschool children learning French. 2017.

Anne Gwinner, Doctoral Dissertation, University of Konstanz, Germany, Second Supervisor (first supervisor – Janet Grijzenhout) 2013 – 2017.

Amanda Payne, Spring 2010 Internship, Marymont Manhattan College, New York, NY

Emily Sarita, Fall 2008-Spring 2009, Internship for Field Work Experience Program, NYC School, NYC Public School, 131 Avenue of the Americas NY, NY 10013

Samantha Perez, Fall 2008-Spring 2009, Internship for Field Work Experience Program, NYCiSchool, NYC Public School, 131 Avenue of the Americas NY, NY 10013.

Jason Muise, Fall 2008 Internship, Marymont College

Carla Frutos, 2008-present. Briarcliff High School, New York. Electrophysiological indices of sentence processing in Spanish-English bilingual children.

Arianna Belestrieri, Bronx High School of Science. *The processing of function words in early learners: An ERP study of bilingual adolescents*, Spring, 2002. Winner of The American Academy of Neurology's Neuroscience Award

Rubi Gulapi, Bronx High School of Science. *Electrophysiological indices of word learning*, Spring, 2000. Honorable Mention, Intel Science Competition

### **Administration and Service**

2018 Central Faculty Steering Committee  
 2018 HRPP search committee  
 2018 Middle States Committee  
 2017- Curriculum and Exams Committee, CUNY-GC  
 2016-present GC Day Care Board  
 2016-2017 Deputy Executive Officer, CUNY-GC  
 2015-2016 Acting Executive Officer, CUNY-GC  
 2002- Advisory Committee on Campus Security  
 2002-2010 Speech-Language-Hearing Sciences Program liaison to Mina Rees Library  
 2000-2002 The Graduate Council, CUNY-GC  
 2000 GSUC Dissertation Fellowship and Awards committee  
 1999- Member, Executive Committee, Speech and Hearing Sciences CUNY-GC  
 1999- Member, Curriculum and Evaluation Committee, Speech-Language-Hearing Sciences  
 1997-1998 Chair of Athletic Policy Committee, Hofstra University

### **Professional Service**

2020 Editorial Board, Journal of Monolingual and Bilingual Speech.  
<https://journal.equinoxpub.com/JMBS/about/editorialTeam>  
 2019 Supervisory Committee, The Multilingual Mind. Marie Sklodowska-Curie Innovative Training Networks, European Commission. Research Executive Agency. Grant Number 765556.  
 2017- Selection Committee Zukunftskolleg Excellence Initiative, University of Konstanz, Germany  
 2018 NIH, NIDCD, panel member F31 (pre-doctoral) and F32 (post-doctoral) training grants.  
 2017 Ad-hoc reviewer, Neural Basis on Psychopathology, Addictions and Sleep Disorder (NPAS) Review Committee, NIH February, 2017  
 2016 Organizing Committee. 8<sup>th</sup> International Conference on Mismatch Negativity, To be held Helsinki, Finland, 2018.  
 2016 Reviewer Wellcome Trust Fund, Great Britain  
 2014 Co-organizer (with Dr. Tanja Rinker,) Workshop on “Development and Analysis of Neural Systems Supporting Language” (DANSSL): Perspectives from Monolingual, Bilingual and Impaired Acquisition July 4-5, University of Konstanz, Germany.  
 2013- present Member, Special Emphasis Panel ZDC1 SRB R-32: Review of “Loan Repayment Applications. NIDCD.  
 2013 National Institute of Communicative Disorders: P50 Clinical Research Center, review committee member for ZHD1 DSR-H (GS)  
 2013 Co-editor Special Issue on Mismatch Negativity and its Clinical and Scientific Applications to be published in *Brain Topography*  
 2013 Reviewer for Research Grants Council, Hong Kong, China  
 2012 Co-organizer (with Tanja Rinker, Janet Grijzehout and Anne Gwinner) Workshop on “Studies on normal and impaired language acquisition in monolingual and bilingual children and adults” July 12-13, University of Konstanz, Germany.

- 2011-2012 Co-organizer (with Elyse Sussman) of the 6<sup>th</sup> International Conference on Mismatch Negativity and its Clinical and Scientific Applications, The Graduate Center, CUNY, NY, NY May 1-4, 2012
- 2011 DoD Cognitive Neuroscience of Second Language Acquisition Workshop. Invited participant, November 9, 2011
- 2011 National Institute of Communicative Disorders New Investigators (R03) Voice Speech and Language, Chair of Review Meeting November 3, 2011
- 2010 –present. Reviewer for Research Grants Council of Hong Kong
- 2008 Reviewer for Austrian Science Fund (FWF)
- 2008 Reviewer for National Science Foundation (NSF) Faculty Early Development Career Program
- 2007 Organized (with Brett Martin) Workshop on the Development and Analysis of Neural Systems Supporting Language (DANSSL). The Graduate Center City University of New York, October 18 and 19, 2007
- 2007- present National Institute of Communicative Disorders: P50 Clinical Research Center, reviewer
- 2005- invited organizer of symposium on specific language impairment at the Fifth Conference on Neurophysiology of Developmental Disorders in Children, December, 2005, the Albert-Ludwigs-Universität in Freiburg, Germany
- 2004- present Ad hoc reviewer Medical Research Council, Great Britain
- 2003 -present National Institute of Communicative Disorders New Investigators (R03) Review Meeting.

2005- 2006 Guest Section Editor, *Ear & Hearing*

- 2014- present Ad hoc reviewer *International Journal of Psychophysiology*
- 2011- present Ad hoc reviewer *Developmental Science*
- 2011- present Ad hoc reviewer *Neuroscience Letters*
- 2011- present Ad hoc reviewer *Neuropsychologia*
- 2011- present Ad hoc reviewer *Neurobiology of Language Conference Abstracts*
- 2010- present Ad hoc reviewer *International Journal of Psychophysiology*
- 2010- present Ad hoc reviewer *Cognitive Neuroscience*
- 2009- present Ad hoc reviewer *Developmental Neuropsychology*
- 2008- present Ad hoc reviewer *Boston University Child Language Conference Abstracts*
- 2008- present Ad hoc reviewer *Journal of Audiology*
- 2007- present Ad hoc reviewer *Hearing Research*
- 2006- present Ad hoc reviewer *Brain and Language*
- 2006- present Ad hoc reviewer *Developmental Science*
- 2004- present Ad hoc reviewer *Clinical Neurophysiology*
- 2004- present Ad hoc reviewer *Ear & Hearing*
- 2003- present Ad hoc reviewer *Psychophysiology*
- 2002- present Ad hoc reviewer *Cognitive Brain Research*
- 1997- present Ad hoc reviewer *Journal of Speech, Language Hearing Sciences*

### **Community Service**

Member 4-H Youth Development Advisory Board, Putnam County Cooperative Extension.  
4-H Youth Development Leader

### **Public Dissemination**

Shafer V.L. & Rinker T. *New York-Konstanz, an International Collaboration*. Presented at University of Konstanz 50<sup>th</sup> Year Celebration. June, 2017.

Shafer, V.L. (2009). Getting to grips with phonological skills. In "A vision of the future". *International Innovation. Disseminating Science, Research and Technology*. August, 2009, Pp. 28-30. www.researchmedia.eu."

### **Current Grants and Contracts**

Planned submissions: Phonological predictors of lexical growth in late-talking two-year olds.

PSC-CUNY Grant 63369-00 51 Shafer (PI) 07/01/20-06/30/21

Experiential Factors influencing perception of English vowels by Spanish learners of English

The aim of this project is to examine neural signatures of English vowel discrimination in Spanish-English bilinguals in relation to language background and demographic variables.

Role PI

PSC-CUNY Grant 62553-00 50 Principal Investigator, "Neural and behavioral discrimination of consonant clusters in Korean and Spanish second language learners of English". PSC-CUNY Grant, \$6000. July 1, 2019-2020. Funded.

Mentor, (PI, Isabelle Barriere). NSF- SMA 1659607 SBE Intersection of Linguistics, Language and Culture. This project provides undergraduate students with a stipend to pursue research one day per week in a mentor lab for one year. September 2017-2020. Funded.

### **Completed Grants and Contracts**

Principal investigator. Urban versus suburban listeners: how linguistic variation in the environment influences phonological lexical representations. Submitted. July 15, 2020. NSF BCS-1945700 (\$439,393) Unfunded.

Principal investigator. "Acquisition of Subject-Verb Agreement and the Role of Developing Numeracy: A Behavioral and Electrophysiological Study". National Science Foundation. (Sarah Kresh, doctoral student) Linguistics Doctoral Dissertation Research Improvement Grant #1628302 (\$18,340). July 2016-January 2020. Funded.

PSC-CUNY Grant 69309-00 48 Shafer (PI) 07/01/17-06/30/18

Neural measures of phonetic variation of word onsets

The aim of this project is to examine neural signatures of phonetic variation in consonant-cluster onsets.

Principal Investigator. Neural markers of speech in late-talking two-year olds. 1 R01 HD094784-01. October, 2018. Unfunded.

Principal Investigator. "Electrophysiological indices of phonological experience: a cross-linguistic study". PSC-CUNY Grant, \$3500.. July 1, 2016-2017. Funded.

Principal Investigator. Electrophysiological Assessment of Phonological Knowledge in Children with Language deficits. PSC-CUNY Grant, July 1, 2014-2015. \$3500.

Principal Investigator (Co-Investigator Elyse Sussman) Sixth Conference on Mismatch Negativity (MMN) and its Clinical and Scientific Application. NSF #156635. \$25,000.

Co-Investigator (PI Elyse Sussman). Sixth Conference on Mismatch Negativity (MMN) and its Clinical and Scientific Application. NIDCD. \$40,000, March 1-May 31, 2012.

- Principal Investigator subcontract to (April Benasich, Rutgers University PI) Assessing Information Processing and Capacity for Understanding Language In Non-verbal Children with Autistic Spectrum Disorders. Autism Speaks. \$160,000 (subcontract). January 2009 – December 2010..
- CUNY Equipment Grant (with Winifred Strange), 2007 to purchase a sound-shielded booth, \$20,000.
- Co-Sponsor (with Richard G. Schwartz), Grant F31DC009356 to Baila Tropper, National Institutes of Health, NIDCD, Cognitive control in children with and without specific language impairment, 2007-2009 (\$84,254).
- Co-Investigator (PI, Winifred Strange) Perception of American Vowels by Russian, Spanish and Japanese Learners of English, NSF Grant # - BCS-0718340. September, 2007 - August, 2010. \$295,827.
- Principle Investigator. ERP indices of native versus nonnative temporal speech processing in Japanese and English Listeners. (Miwako Hisagi). National Science Foundation (NSF) Dissertation Enhancement Award (Division of Behavioral & Cognitive Sciences, August 1, 2005-August 1, 2006, \$10,000.
- Principal Investigator. The Neurophysiological Basis of Speech Processing. NIHDH, August 1, 2004-May 31, 2009. \$1,846,202.
- Co-Investigator (Co-PIs: Klara Marton, Richard Schwartz). Working Memory for Structural-Linguistic Information in Adults and Children. CUNY COLLABORATIVE INCENTIVE GRANTS PROGRAM, Nov 1, 2001- Nov 1, 2003. \$34,200.
- Principal Investigator. The functional significance of the infant positive component. PSC-CUNY Grant, July 1, 2003-2004. \$5000.
- Principal Investigator. ERPs to verbal morphology in children. PSC-CUNY Grant, July 1, 2002-2003. \$3350.
- Principal Investigator. Electrophysiological indices of regular and irregular morphology in school-age children. PSC-CUNY Grant, July 1, 2001-2002. \$5156.
- Principal Investigator. Electrophysiological correlates of word perception in spoken discourse PSC-CUNY Grant, July 1, 2000-2001. \$4200.
- Co-investigator, (R. Schwartz, P.I.) Physiological and behavioral dynamics of children's linguistic processing., NIDCD, July 1, 1997-2002. \$500,000.
- Co-investigator, (D. Kurtzberg, P.I.) Electrophysiological probes of phonological processing deficits, NIDCD, July 1, 1997-2002. \$500,000.
- Principal Investigator. Evoked Potentials to function words in SLI children. Small Grant Program (R03), NIDCD. August 1, 1997- 2000. Direct Costs: \$60,000

### Teaching Experience

- CUNY Graduate Courses: *Neurophysiology of Language; Electrophysiological Methods; Language Science; Speech Science; Cross-linguistic Aspects of Specific Language Impairment; Acquisition and Breakdown of Morphosyntax; Models of Perception, Attention and Memory; Advanced Research Methods; Neurobiological Basis of Child Language Acquisition; Advances in Neurolinguistics; Development of Speech Perception; Bilingual Speech Perception and Production*
- Hofstra University Undergraduate Courses: *Speech 102, Language Development; Speech 103, Speech and Hearing Sciences; Speech 8, Anatomy and Physiology of the Hearing Mechanism; Speech 5, Phonetics; Speech 9, Approaches to the Speech-Language-Hearing Sciences.*
- Hofstra University Graduate Courses: *Speech 209, Developmental Psycholinguistics; Speech 232, Disorders of Phonology and Articulation.*
- University of New York at Buffalo: *Linguistics 209, Sociolinguistics and Psycholinguistics*



### Peer-reviewed Publications

- Shafer V.L., Kresh, S., Ito, K. Hisagi, M., Vidal, N. Higby. E., Castillo D. & Winifred Strange, (submitted). The neural timecourse of American English vowel discrimination by Japanese, Russian and Spanish second-language learners of English. Accepted with revisions *Bilingualism: Language and Cognition*. (2020).
- Datta, H., Hestvik, A., Vidal, N., Tessel, C., Hisagi, M., Wróbleski, M., & Shafer, V. L. (2020). Automaticity of speech processing in early bilingual adults and children. *Bilingualism: Language and Cognition*, 23(2), 429–445. <https://doi.org/10.1017/S1366728919000099>
- Mandel Michael I., Grover Vikas, Zhao Mengxuan, Choi Jiyong, & Shafer Valerie L. (2019). The Bubble Noise Technique for Speech Perception Research. *Perspectives of the ASHA Special Interest Groups*, 4(6), 1653–1666. [https://doi.org/10.1044/2019\\_PERS-19-00058](https://doi.org/10.1044/2019_PERS-19-00058)
- Ortiz-Mantilla, S., Cantiani, C., Shafer, V. L., & Benasich, A. A. (2019). Minimally-verbal children with autism show deficits in theta and gamma oscillations during processing of semantically-related visual information. *Scientific Reports*, 9(1), 5072. <https://doi.org/10.1038/s41598-019-41511-8>
- Yu, Y. H., Tessel, C., Han, H., Campanelli, L., Vidal, N., Gerometta, J., Garrido-Nag, K., Datta, H., & Shafer, V. L. (2019). Neural Indices of Vowel Discrimination in Monolingual and Bilingual Infants and Children. *Ear and Hearing*, 40(6), 1376–1390. <https://doi.org/10.1097/AUD.0000000000000726>
- Tessel, C. A., Levy, E. S., Gitterman, M., & Shafer, V. L. (2018). Neurophysiological indices of the effect of cognates on vowel perception in late Spanish-English bilinguals. *Journal of Phonetics*, 68, 117–137. <https://doi.org/10.1016/j.wocn.2018.03.004>
- Yu, Y. H., Shafer, V. L., & Sussman, E. S. (2018). The Duration of Auditory Sensory Memory for Vowel Processing: Neurophysiological and Behavioral Measures. *Frontiers in Psychology*, 9, 335. <https://doi.org/10.3389/fpsyg.2018.00335>
- Zane, E., & Shafer, V. (2018). Mixed metaphors: Electrophysiological brain responses to (un)expected concrete and abstract prepositional phrases. *Brain Research*, 1680, 77–92. <https://doi.org/10.1016/j.brainres.2017.12.008>.
- Wagner, M., Lee, J., Mingino, F., O'Brien, C., Constantine, A., Shafer, V. L., & Steinschneider, M. (2017). Language Experience with a Native-Language Phoneme Sequence Modulates the Effects of Attention on Cortical Sensory Processing. *Frontiers in Neuroscience*, 11. <https://doi.org/10.3389/fnins.2017.00569>
- Wagner, M., Shafer, V. L., Haxhari, E., Kiprovski, K., Behrmann, K., & Griffiths, T. (2017). Stability of the Cortical Sensory Waveforms, the P1-N1-P2 Complex and T-Complex, of Auditory Evoked Potentials. *Journal of Speech, Language, and Hearing Research: JSLHR*, 60(7), 2105–2115. [https://doi.org/10.1044/2017\\_JSLHR-H-16-0056](https://doi.org/10.1044/2017_JSLHR-H-16-0056)

- Yu, Y.H. Shafer V.L., Sussman E.S. (2017). Neurophysiological and behavioral responses of Mandarin lexical tone processing. *Frontiers in neuroscience*. 2017; 11:95. <https://www.ncbi.nlm.nih.gov/pubmed/28321179>
- Rinker, T., Shafer, V. L., Kiefer, M., Vidal, N., & Yu, Y. H. (2017). T-complex measures in bilingual Spanish-English and Turkish-German children and monolingual peers. *PLoS One*, 12(3), e0171992. <https://doi.org/10.1371/journal.pone.0171992>
- Hisagi M, Shafer VL, Miyagawa S, Kotek H, Sugawara A, Pantazis D. Second-Language Learning Effects on Automaticity of Speech Processing of Japanese Phonetic Contrasts: An MEG study. *Brain Res*. 2016 Oct 6. pii: S0006-8993(16)30697-7. doi: 10.1016/j.brainres.2016.10.004. [Epub ahead of print] PMID:27720855
- Cantiani, C., Choudhury, N., Yu, Y., Shafer, V., Schwartz, R., & Benasich, A.A. (2016). From Sensory Perception To Lexical-Semantic Processing: An ERP Study In Non-Verbal Children With Autism. *PLOS1*. <http://dx.doi.org/10.1371/journal.pone.0161637> PMID: 27560378
- Rota-Donahue, C., Schwartz, R. G., Shafer, V., & Sussman, E. S. (2016). Perception of Small Frequency Differences in Children with Auditory Processing Disorder or Specific Language Impairment. *Journal of the American Academy of Audiology*, 27(6), 489–497. <https://doi.org/10.3766/jaaa.15122>.
- Neumann Y, Epstein B, Shafer VL 2016. .Electrophysiological indices of brain activity to content and function words in discourse *Int J Lang Commun Disord*. 2016 Sep;51(5):546-55. doi: 10.1111/1460-6984.12230. Epub 2016 Mar 15. PMID: 26992119
- MacRoy-Higgins, M., Shafer, V. L., Fahey, K. J., & Kaden, E. R. (2016). Vocabulary of Toddlers Who Are Late Talkers. *Journal of Early Intervention*, 38(2), 118–129. <https://doi.org/10.1177/1053815116637620>
- Hisagi, M., Shafer, V.L., Strange, W. & Sussman, E. (2015). Neural measures of a Japanese consonant length discrimination by Japanese and American English listeners: Effects of attention.. *Brain Research* 1626. pp. 218-231. PMID:26119918
- Shafer VL, Yu YH, Wagner M (2015). Maturation of cortical auditory evoked potentials (CAEPs) to speech recorded from frontocentral and temporal sites: Three months to eight years of age. *Int J Psychophysiol*. 95(2). 77-93. PMID: 25219893.
- Näätänen R, Sussman ES, Salisbury D, Shafer VL. (2014). Mismatch negativity (MMN) as an index of cognitive dysfunction. *Brain Topogr*. Jul;27(4):451-66. doi: 10.1007/s10548-014-0374-6. Epub 2014 May 17. PMID: 24838819 [PubMed - in process]
- Sussman ES, Shafer VL. New perspectives on the mismatch negativity (MMN) component: an evolving tool in cognitive neuroscience. *Brain Topogr*. 2014 Jul;27(4):425-7. doi: 10.1007/s10548-014-0381-7. Epub 2014 Jun 15. No abstract available. PMID: 24929559 [PubMed - in process]

- Neumann Y, Epstein B, Yu YH, Benasich AA, Shafer V. 2014. An electrophysiological investigation of discourse coherence in healthy adults. *Clin Linguist Phon.* 2014 Apr 29. [Epub ahead of print]. PMID: 24779648 [PubMed - as supplied by publisher]
- Epstein B, Shafer VL, Melara RD, Schwartz RG (2014). *Can children with SLI detect cognitive conflict? Behavioral and electrophysiological evidence.* *J Speech Lang Hear Res.* Aug;57(4):1453-67. doi: 10.1044/2014\_JSLHR-L-13-0234. PMID: 24686792 [PubMed - in process]
- Hisagi M, Garrido-Nag K, Datta H. & Shafer, V.L. (2014) ERP indices of vowel processing in Spanish-English bilinguals. *Bilingualism: Language and Cognition*. DOI: 10.1017/S1366728914000170, Published online: 04 June 2014 pp 1 – 19.
- MacRoy-Higgins, M., Shafer, V.L., Schwartz, R.G & Marton, K. (2014) The influence of phonotactic probability on early word learning. to *Child Language Teaching and Therapy*.(30)1. 117-130.
- Epstein B, Hestvik A, Shafer VL, Schwartz RG . (2013). ERPs reveal atypical processing of subject versus object Wh-questions in children with specific language impairment. *Int J Lang Commun Disord.* 48(4):351-65. doi: 10.1111/1460-6984.12009. Epub 2013 Apr 11. PMID: 23889832
- Wagner, M., Shafer, V. L., Martin, B., & Steinschneider, M. (2013). The effect of native-language experience on the sensory-obligatory components, the P1–N1–P2 and the T-complex. *Brain Research*, 1522, 31–37. PMID: 23643857.
- MacRoy-Higgins, M., Schwartz, R. G., Shafer, V. L. and Marton, K. (2012). Influence of phonotactic probability/ neighbourhood density on lexical learning in late talkers. *International Journal of Language & Communication Disorders*. doi: 10.1111/j.1460-6984.2012.00198.x
- Shafer, VL, Yu, YH & Garrido-Nag, K. (2012). Electrophysiological indices of vowel discrimination in monolingually and bilingually exposed infants: Does attention matter. *Neuroscience Letters*..Sep 20;526(1):10-4. Epub 2012 Aug 9. PMID: 22897876
- Wagner, M. Shafer, VL, Martin B & Steinschneider, M. (2012). The phonotactic influence on the perception of a consonant cluster /pt/ by native English and native Polish listeners: A behavioral and event related potential (ERP) study. *Brain Lang.* Oct;123(1):30-41. Epub 2012 Aug 4. PMID: 22867752
- Shafer, V.L., Yu, Y & Datta, H. (2011). The Development of English Vowel Perception in Monolingual and Bilingual Infants: Neurophysiological Correlates *Journal of Phonetics* (Special Issue of Cross-linguistic speech perception). 39: 527-541. PMID22046059.
- Shafer, V.L. Martin, B., & Schwartz, R.G. Evidence of deficient central speech processing in children with specific language impairment: the T-complex. (2011). *Clinical Neurophysiology*. 122(6):1137-55. PMID 21147550.
- Hisagi, M., Shafer, V.L., Strange, W. & Sussman, E. 2010. Perception of Japanese Vowel Length Contrast contrasts by Japanese and American English listeners: Behavioral and Electrophysiological Measures. *Brain Research*. 1360: 89-105 PMID: 20816759.

- Shafer VL, Sussman E. (2010). Predicting the future: ERP markers of language risk in infancy. *Clin Neurophysiol.* 2011 Feb;122(2):213-4. doi: 10.1016/j.clinph.2010.07.001. Epub 2010 Jul 31. No abstract available. PMID: 20674485 [PubMed - indexed for MEDLINE]
- Shafer, V.L , Yu Y. & Datta H. (2010). Maturation of electrophysiological mismatch responses (MMR) to vowel contrasts in four to seven year-old children. *Ear and Hearing.* 31(6). 735-45.
- Datta H., Shafer, V.L , Morr, M.L., Kurtzberg, D & Schwartz, R.G. (2010.) Brain discriminative responses to phonetically-similar long vowels in children with SLI. *Journal of Speech Language Hearing Research, 53(3), 757-777.*
- Neumann, Y. Obler L.K. , Gomes, H., Shafer, V.L. (In press). Phonological vs. sensory contributions to age effects in naming: An electrophysiological study. *Aphasiology.*
- Hestvik, A., Maxfield, N., Schwartz, R.G., & Shafer, V.L. (2007). Brain responses to ungrammatically filled gaps. *Brain and Language.* 100 (3), 301-16.
- Shafer, V.L , Ponton, C., Datta H., Morr, M.L & Schwartz, R.G. (2007). Neurophysiological Indices of Attention to Speech in Children with SLI. *Clinical Neurophysiology* 118, 1230-1243
- Shafer, V.L , Morr, M.L., Datta H. Kurtzberg, D & Schwartz, R.G. (2005). Neurophysiological indices of speech processing deficits in children with specific language impairment. *Journal of Cognitive Neurosciences* 17, 1168-1180.
- Shafer, V.L., Kessler, K.L., Morr, M.L. , Schwartz, R.G., & Kurtzberg, D. (2005). Electrophysiological indices of brain activity to “the” in discourse. *Brain and Language.* 93, 277-297.
- Shafer, V.L., Schwartz, R.G., & Kurtzberg, D. (2004). Language-specific memory traces of consonants in the brain. *Cognitive Brain Research, 18.* 242-254.
- Martin, B.A., Shafer, V.L., Mara L. Morr, M.L., Kreuzer J. A., & Kurtzberg D. (2003). Maturation of the mismatch negativity: A scalp current density analysis. *Ear and Hearing.* 24. 463-471.
- Morr, M.L., Shafer, V.L., Kreuzer, J., & Kurtzberg, D. (2002). Maturation of mismatch negativity in infants and pre-school children. *Ear and Hearing.* 23, 118-136.
- Shafer, V.L., Schwartz, R.G., Morr, M.L., Kessler, K.L., Kurtzberg, D. (2000). Deviant neurophysiological asymmetry in children with language impairment. *Neuroreport* 11, 3715-3718.
- Shafer, V.L., Morr, M.L., Kreuzer, J., & Kurtzberg, D. (2000). Maturation of mismatch negativity in school-age children. *Ear and Hearing.* 21(3). 242-251.

Shafer, V.L., Shucard, D.W., & Jaeger, J.J. (1999). Cerebral specialization and the role of prosody in language acquisition in three-month-old infants. *Developmental Neuropsychology*, 15. 73-110.

Shafer, V.L., Shucard, D.W., Shucard, J.L., & Gerken, L.A. (1998). An electrophysiological study of infants' sensitivity to the sound patterns of English. *Journal of Speech, Language, Hearing Research*, 41. 874-886.

### Chapters and Proceedings

Martohardjono, G., Phillips, I., Madsen, I. I., Christen, N., Otheguy, R., Schwartz, R. G., & Shafer, V. L. (2017). Measuring Cross-Linguistic Influence in First-and Second-Generation Bilinguals: ERP vs. Acceptability Judgments. *University of Pennsylvania Working Papers in Linguistics*, 23(1), 17.

Shafer, V.L Zane, E. & Maxfield, N. Neuroscience methods. (2017). *The Handbook of Child Language Disorders* (R.G. Schwartz, 2<sup>nd</sup>. Ed.). New York: Psychology Press..

Yan H. Yu, Naseem Choudhury, Chiara Cantiani, Valerie L. Shafer, Michelle MacRoy-Higgins, Richard G. Schwartz & April A. Benasich. Electrophysiological correlates of picture-word processing in three-to-seven year old non-verbal children with Autism. *Boston University Conference on Language Development (BUCLD) Proceedings. 2011*

Schwartz, R.G. & Shafer, V.L. (2012) The Neurobiological bases of specific language impairment. In M. Faust (Ed.) *Advances in the Neural Substrates of Language: Toward a synthesis of basic science and Clinical Research*. Blackwell Wiley. pp. 847-867.

Yu Y.H. & Shafer, V.L. (2011). Electrophysiological Indices of Six-month-olds' Sensitivity to English Vowles: Monolingual versus Bilingual. *Boston University Conference on Language Development (BUCLD) Proceedings. Vol 35*.

Neumann, Y., Obler, L. K., Gomes, H., and Shafer, V. (2011). Phonological encoding in healthy aging: Electrophysiological evidence. In C. Cairns and E. Raimy (Eds.), *Syllable Volume X* Leiden, The Netherlands: Brill Academic Publishers.

Shafer, V.L. ( 2010). The neurophysiology of phonetics and phonology. *Cambridge Encyclopedia of the Language Sciences*. (Ed. Patrick Colm Hogan.) Cambridge University Press.

Strange, W. & Shafer, V.L. (2008). Speech perception in second language learners: the re-education of selective perception. Zampini, M., & Hansen, J. (eds). *Phonology and Second Language Acquisition*. John Benjamins. 1pp. 153-191.

Shafer, V.L & Maxfield, N. Neuroscience methods. (2008). *The Handbook of Child Language Disorders* (R.G. Schwartz, Ed.). New York: Psychology Press. Pp. 532-548.

Tropper, B., Hestvik, A., Shafer, V., & Schwartz, R. G. (2008). ERP evidence for impaired processing of wh-questions in children with SLI. *Boston University Conference on Language Development (BUCLD) Proceedings 32*.

- Shafer, V.L & Garrido-Nag, K. (2007). The neurodevelopmental basis of speech and language. (2007). *The Handbook of Language Development* (M. Shatz, E. Hoff, Eds.). Oxford: Blackwell. Pp. 21-38.
- Shafer, V.L., Schwartz, R.G., & Kessler, K.L (2004). ERP Indices of Phonological and Lexical Processing in Children with SLI. *Proceedings of the 28th Annual Boston University Conference on Language Development*, Somerville, MA: Cascadilla Press, pp. 522-531
- Shafer, V.L. (2004). The effect of early versus late language learning on pre-attentive discrimination. *Proceedings of the 18<sup>th</sup> International Congress on Acoustics*. Kyoto, Japan. April 4-9. FR2.X.2. p3553-3556.
- Kessler, K.L. Martaharjono G. & Shafer, V.L. (2004) ERP correlates of age and proficiency in L2 processing of syntactic and inflectional information. *Proceedings of the 28th Annual Boston University Conference on Language Development*, Somerville, MA: Cascadilla Press, pp. 294-305.
- Shafer, V.L., Schwartz, R.G., & Kessler, K.L (2003). ERP Indices of Phonological and Lexical Processing in Children and Adults. *Proceedings of the 27th Annual Boston University Conference on Language Development*, Somerville, MA: Cascadilla Press. 751-761.
- Shafer, V.L., Schwartz, R.G., Morr, M.L., Kessler, K.L., Kurtzberg, D., and Ruben, R.J. (2001). Neurophysiological indices of language impairment in children. *Acta Otolaryngol*, 121.
- Shafer, V.L. & Shucard, D.W. (1995). Is the right hemisphere of the brain functionally specialized to process prosodic information? In D. MacLaughlin. & S. McEwen, (Eds.) *Proceedings of the 19th Annual Boston University Conference on Language Development*, Vol. 2 (pp. 563-574) Somerville, MA: Cascadilla Press.
- Shafer, V.L. (1992). Modality in the Romance Conditional Sentence. In F. Li, H. L. Weber, L. Whaley, and R. VanValin (Eds.) *Buffalo Working Papers*, Linguistics Department, SUNY at Buffalo.
- Shafer, V.L. (1990). [Review of the book *Cognitive Psychology: A Student's Handbook*]. *Journal of Minds and Machines*, 1991.

Papers, submitted and in preparation

- Grover V. Shafer V.L. Levy E. Campanelli, L. & Whalen D. Perception of American English consonants /v/ and /w/ in Hindi speakers of English. Under revision.
- Hestvik, A., Neumann Y., N., Schwartz, R.G., & Ullman, M.T. & Shafer, V.L. ERP indices of verb-tense processing. Under revision
- Zane E. Kresh S. Schwartz R.G. Benesich A & Shafer V.L. Maturation of Neural indices of third person singular agreement: preschool through adulthood. In preparation.

Published Abstracts.

- Martin, B A; Shafer, V; Wroblewski, M; An, LJ (2012). Functional significance of the acoustic change complex, mismatch negativity, and P3a for vowel processing in native-English listeners and late learners of English. *The Journal of the Acoustical Society of America* 132 (3). p. 1935.
- Yu, Yan H; Shafer, Valerie L; Sussman, Elyse; Whalen, DH; Comparing language experience and task demands in Mandarin tone processing: Neurophysiological evidence. *The Journal of the Acoustical Society of America*. 131(4). 3233.
- Shafer, Valerie L; Strange, Winifred; Ito, Kikuyo; Gilichinskaya, Yana; Rosas, Jason; Kresh, Sarah; Neurophysiological evidence of preattentive English vowel perception in Japanese, Spanish, and Russian learners of English. *The Journal of the Acoustical Society of America*. 129. 2419.
- Wagner, Monica; Shafer, Valerie L (2009). The phonotactic influence on the perception of a consonant cluster, 'pt,' by native-English and native-Polish listeners: A behavioral and ERP study. *The Journal of the Acoustical Society of America* 125. 2762.
- Yu, Yan; Vidal, Nancy; Datta, Hia; Gerometta, Jennifer; Shafer, Valerie. (2009). English vowel contrast perception on monolingual and bilingual 4-to 7-year olds: Behavioral and neurophysiological evidence. *The Journal of the Acoustical Society of America*. 125. p.2776.
- Tessel, Carol A; Hestvik, Arild; Girbau, Dolors; Schwartz, Richard G; Shafer, Valerie L. (2009). Electrophysiological indices of vowel discrimination in late bilinguals. *The Journal of the Acoustical Society of America*. 125. p.2760.
- Shafer, Valerie L. (2009). The development of English vowel perception in monolingual and bilingual infants: Neurophysiological correlates. *The Journal of the Acoustical Society of America*. 125. p.2770.
- Neumann, Y., Obler, L. K., Shafer, V. S., and Gomes, H. (2007). Electrophysiological evidence of lexical access disruptions. *Brain and Language*, 103, 140-141.
- Hisagi, Miwako, Shafer, Valerie, Sussman, Elyse; (2006). Neurophysiological basis of temporally cued phonetic contrasts in Japanese and American English listeners. *The Journal of the Acoustical Society of America*. 120. p. 3172.
- Datta, Hia, Shafer, Valerie, Kurtzberg, Diane. (2004). Discrimination and identification of long vowels in children with typical language development and specific language impairment. *The Journal of the Acoustical Society of America*. 115. p. 2424.
- Garrido, Karen; Hisagi, Miwako; Shafer, Valerie. (2004). ERP indices of speech processing in bilinguals. *The Journal of the Acoustical Society of America*. 115. p. 2605.
- Lantos, G; Liu, G; Shafer, V, Knuth, K; Vaughan, H. (1997). Tonotopic organization of primary auditory cortex: An fMRI study. *Neuroimage*. 5. S174

Ferretti, L.E., Shucard, D.W., Shucard, J.L., Shafer, V.L. & Rogers, B.T. Impact of perinatal asphyxia on the cortical auditory evoked potential in infants: a longitudinal perspective. Presented at the Society for Neuroscience Meetings, Washington, D.C., November, 1993. *Neuroscience Abstracts*, 19, 182.

Shafer, V.L. & Shucard, D.W. Auditory evoked potentials as an index of infants' ability to distinguish their native from non-native languages. Presented at the Society for Neuroscience Meetings, Washington, D.C., November, 1993. *Neuroscience Abstracts*, 19, 731.

### Invited Presentations

Neural evidence for how experience shapes speech processing in first and second language. Acquisition. Keynote Speaker. New Sounds. Tokyo, Japan, Aug. 29-Sept 1. 2019

Bilingualism in America: Myths versus Facts. Presented at Student Research Day, Sponsored by Ph.D. Program in Speech-Language-Hearing Sciences, CUNY. March 24, 2017.

A view into the minds of minimally-verbal children with Autism: neural measures of picture and word processing . Eötvös Loránd University. Budapest, Hungary, September 14, 2015.

Multilingualism, Society and Culture: View from a Linguistic Perspective. University of Konstanz Research Alumni Meeting. Constructions of Multiculturalism: Identity and Diversity in European History . 6-19 September, 2015. Charles University in Prague.

Shafer, V.L., T. Rinker, M. Kiefer, N. Vidal, A. Hestvik, H. Datta and Yu. Neural indices of speech perception in bilingual children. MMN 2015 Error Signals From the Brain" Leipzig, Germany, September 8-11, 2015.

Using electrophysiology to understand developmental language disorders. Presented at Pennsylvania State University. February 25, 2015.

Research on Bilingualism in New York City presented at the One-Year Anniversary for the Center for Multilingualism, University of Konstanz, Germany, January 24, 2015

Multidisciplinarity: A neuro-,psycho-linguistic perspective. Zukunftskolleg Lecture to the students and scholars of the University of Konstanz. July 14, 2014.

Some issues in interpreting ERP "differences" between typical children and low-verbal children with Autism Spectrum Disorders, "Development and Analysis of Neural Systems Supporting Language" (DANSSL): Perspectives from Monolingual, Bilingual and Impaired Acquisition July 4-5, University of Konstanz, Germany

Neural Correlates of vowel processing development in monolingual and bilingual children: six months to four years of age. Presented at "Studies on normal and impaired language acquisition in monolingual and bilingual children and adults" July 12-13, University of Konstanz, Germany.



Assessing Cognition and Language In Nonverbal Children with Autism: Is the Frog Green?  
 April A. Benasich, Valerie L. Shafer, Judy Flax, Yan Yu & Michelle MacRoy-Higgins.  
 International Meeting For the Study of Autism (IMFAR), San Diego, CA, May 12-14 2011

The development of English vowel perception in monolingual and bilingual infants:  
 neurophysiological correlates. Second Acoustical Society of America Speech Workshop,  
 May 22-23 2009.

ERP indices of Language Development in Bilinguals. Presented at Sackler Institute for  
 Developmental Psychobiology, Weill-Cornell Medical College April 17, 2007.

Will Johnny have SLI ? Or can neurobiological measures predict language outcome?  
 Presented at the Fifth Conference on Neurophysiology of Developmental Disorders in  
 Children, December, 2005, the Albert-Ludwigs-Universität in Freiburg, Germany.

Neurophysiology of Morphosyntax. Invited Lecture in Biobehavioral Sciences, Teachers  
 College, Columbia University, October, 2005.

The functional significance of ERP mismatch responses to auditory stimuli in infants and  
 toddlers. Presented at the Workshop on Speech and Auditory Processing in  
 Developmental Disorders: Evidence from Brain Event-related Potentials. St. John's  
 College, Oxford, England, September, 2004.

Neurophysiological indices of speech processing in bilinguals. International Acoustical  
 Society, Kyoto, Japan, April 4-6, 2004.

Pre-attentive processing in children with SLI. Presented in the session: Pre-attentive speech  
 perception. XIII International Conference of Event Related Potentials of the Brain.  
 Leipzig, Germany, March 29-31, 2004.

ERP indices of phonological processing in children with SLI. Rutgers University. October  
 28, 2003.

ERP methods in studying language development. Presented to the Oxford Study of  
 Children's Communication Impairments Group, Department of Experimental Psychology,  
 University of Oxford, December, 2002.

Using ERPs to Study Language. Cognitive Science Symposium. The Graduate School and  
 University Center, CUNY, November, 2002.

Using ERPs to Study Language Acquisition. Invited presentation in the symposium  
 "Application of neuroimaging in language research" Session chair E. Plante, IX  
 International Congress for the Study of Child Language and the Symposium on Research  
 in Child Language Disorders, Madison, WI. July, 2002.

ERPs to language in natural discourse contexts. Paper presented to the Program in  
 Linguistics, Psycholinguistic Supper Club, The Graduate School and University Center,  
 CUNY, Fall, 1999.

Using mismatch negativity to investigate phonological processing. Presented at Neurosciences Colloquia Series, Albert Einstein College of Medicine, Bronx, New York. October, 1998.

Using ERPs to study language acquisition and processing. Presented at Program in Speech and Hearing Sciences, The Graduate Center, CUNY. December, 1997.

Methodological issues in choosing stimuli in ERPs studies of language. Presented at Program in Speech and Hearing Sciences Colloquia Series, The Graduate Center, CUNY, October, 1997.

Presented Papers (Poster presentations are not included, updated 2019)

Shafer, V.L. & Barriere, I Katsiaryna Aharodnik, Sarah Kresh. Behavioral and Neurophysiological Effects on Receptive Language in Bilingual Preschoolers International Neuropsychology Society. NYC, Feb 21-24. 2019.

Kresh, S. Shafer, V.L. LSA, January, 2019.

Higby, E., Monica Wagner, Anne Gwinner, Tanja Rinker & Valerie L. Shafer (2015). The influence of acoustic-phonetics on the processing of complex consonant onsets. 7th Mismatch Negativity Conference (MMN 2015) "Error Signals from the Brain. Leipzig, Germany, September 8-11, 2015.

Rinker, T. Shafer V.L., Yu. Y.H. Vidal N. T-Complex neural measures of language experience in bilingual versus monolingual children. Poster presentation at the 53rd Annual Meeting of the Society for Psychophysiological Research (SPR), October 2-6, Florence, Italy. (Accepted)

Shafer, V.L., Zane, E., Kresh, S., Cantiani, C., Schwartz, R.G., Benasich, A.A. (2013). Neural correlates of English subject-verb agreement violations in 3- to 11-year-old children. Presented at the 53rd Annual Meeting of the Society for Psychophysiological Research. Florence, Italy, October 2013.

Shafer, V.L. (2012). Neurophysiological indices of processing spectral versus temporal information in non-native word-forms. Platform presentation at the 52nd Annual Meeting of the Society for Psychophysical Research, New Orleans, LA

Yu, Y.H., Choudhury, N. Cantiani, C. Shafer, V.L. MacRoy-Higgins, M., Schwartz R.G. & Benasich AA. Electrophysiological correlates of picture-word processing in three-to-seven year old non-verbal children with Autism. *Boston University Conference on Language Development (BUCLD)*. Boston, MA, Nov. 5-8, 2011.

Yu, Y. H; Shafer, V.L. Electrophysiological indices of 6-month-olds' sensitivity to English vowels: Language experience and gender effect. Platform presentation at Boston University Conference on Child Language Development Nov.6, 2010; 2:45-3:15

Shafer, V.L. Schwartz, R. G., Hisagi, M, Yu, Y., Datta, H., Hestvik, A, Garrido-Nag, K. Differences in allocation of attentional resources between monolingual and bilingual adults and children. Georgetown University Round Table, March, 2009

MacRoy-Higgins, M., Schwartz, R. G., Shafer, V. L., & Marton, K. (2008, November). Phonotactic Probability & Phonological Representations in Late Talkers. Seminar

presented at the National Speech-Language-Hearing Association Convention, Chicago, IL.

- Yu, Y., Schwartz, R. G., & Shafer, V. L. ERP Indices of Speech Processing in 6- and 12-Month-Old Bilinguals & Monolinguals. Miniseminar presented at the American Speech-Language-Hearing Association Annual Convention, Chicago, IL. (2008, November).
- Shafer, V. L., Schwartz, R. G., Yu, Y., Datta, H., Garrido-Nag, K., Vidal, N., Hestvik, A., Tessel, C., Wroblewski, M., & Hisagi, M. (2008, July-August). Brain indices of speech discrimination in monolinguals and bilinguals: Developmental perspectives. International Association for the Study of Child Language (IASCL), Edinburgh, UK.
- Wagner M. and Shafer VL Phonotactic influences in the perception of a consonant cluster by English and Polish listeners. Platform presentation at CUNY Conference on the Syllable in Phonology, The Graduate Center, CUNY, January 2008.
- Hestvik A , Tropper B,.. Shafer VL, Schwartz RG. . ERP evidence for delayed gap-filling in SLI. . Platform presentation at Boston University Conference on Language Development. Nov. , 2007.
- Tropper B, Hestvik A.. Shafer VL, Schwartz RG. ERP evidence for impaired processing of wh-questions in children with SLI. Platform presentation at Boston University Conference on Child Language Development. Nov. 2007
- Tropper B, Hestvik A. Neumann Y. Yu Y. Shafer VL, Schwartz RG. Event-Related Potential Studies of Sentence Processing in Children With SLI. Platform presentation at American Speech-Language-Hearing Association Annual Convention, Boston, November, 2007.
- Shafer VL, Schwartz RG, Yu Y, Vidal N, Datta H, Wroblewski M, Hisagi M, Tessel C. Brain bases of language acquisition in monolinguals and bilinguals. Platform presentation at American Speech-Language-Hearing Association Annual Convention, Boston, November, 2007.
- Tropper, B., Hestvik, A., Shafer, V., & Schwartz, R. G. The processing of object and subject Wh-questions in children with specific language impairment (SLI): An ERP study. Poster presentation at the 28th Annual Symposium on Research in Child Language Disorders, Madison, WI, June, 2007.
- MacRoy-Higgins, M., Schwartz, R. G., Shafer, V. L., & Marton, K. (2007, April). Phonotactic Probability and Underlying Phonological Representations in Toddlers. Poster presentation at the New York State Speech-Language-Hearing Association Annual Meeting, Buffalo, NY.
- Hestvik, A., Schwartz, R. G., Shafer, V., Neumann, Y., Rinker, T., Yu, H., & Tropper, B. Event related potentials to ungrammatical verb inflection in children and adults. Poster presentation at the Boston University Conference on Language Development, November, 2006.
- Garrido, K., Shafer, V.L., Strange W. & Schwartz, R.G. The effects of attention on the mismatch response in infants. Poster presentation to 13th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, April, 2006.

- Garrido, K. Hisagi M. & Shafer, V.L. ERP Indices of Vowel Processing in bilinguals. Fifth International Symposium on Bilingualism (ISB5), Barcelona, Spain, March, 2005.
- Shafer, V.L. The allocation of attentional resources in the development of speech perception. XIII International Conference of Event Related Potentials of the Brain. Leipzig, Germany, March 29-31, 2004.
- Shafer, V.L. Garrido, K. Datta, H., MacRoy, M. & MacDonald, Neumann, Y., Martin B. Electrophysiological Methods: Future clinical application. Educational session to the American Speech-Language-Hearing Association Annual Convention, Chicago, IL, November, 2003.
- Shafer, V.L., Schwartz, R.G & Kessler, K.L. ERP evidence of phonological and lexical processing children with SLI. Platform presentation at Boston University Conference on Language Development. Oct. 31- Nov 2, 2003.
- Kessler, K.L, Martohardjono, G. & Shafer, V.L. ERP correlates of age and proficiency effects on L2 processing of syntactic and inflectional information. Platform presentation at Boston University Conference on Language Development. Oct. 31- Nov 2, 2003.
- Kessler, K.L, Martohardjono, G. & Shafer, V.L. Effects of age and proficiency on word order and inflectional processing in L2 English: An ERP Study. Paper presented at the 13<sup>th</sup> Annual EuroSLA Conference. Edinburgh, Scotland. Sept. 2003..
- Shafer, V.L. Garrido, K. Datta, H., MacRoy, M. & MacDonald, T. Electrophysiological Methods: Future clinical application. Seminar presented at New York State Speech Language Hearing Association Annual Meeting, March, 2003.
- Shafer, V.L., Schwartz, R.G & Kessler, K.L. ERP evidence of temporal aspects of phonological and lexical processing children. Boston University Conference on Language Development. November, 2002.
- Schwartz, R.G., Shafer, V.L., Gravel, J.S., & Ruben, R.J. The Neurobiology of Auditory Processes in Childhood Language Impairment. IX International Congress for the Study of Child Language and the Symposium on Research in Child Language Disorders, Madison, WI, July, 2002.
- Schwartz, R.G., Shafer, V.L., & Kurtzberg, D. Paper presentation to XIII International Conference of Event Related Potentials of the Brain, Paris, France, July, 2001.
- Schwartz, R. G., Shafer, V.L., Gravel, J., Kurtzberg, D. & Ruben, R. Neurophysiological indices of language processing in children with SLI. Paper presentation to ISAPL. Montreal, Canada, August, 2001.
- Morr, M.L., Shafer, V.L., Kurtzberg, D. & Schwartz, R. G. Attention effects on MMN to vowels in children and adults. Paper presentation to ISAPL. Montreal, Canada, August, 2001.
- Shafer, V.L. ERPs to language in natural discourse contexts. Paper presented as part of the symposium, Neurophysiology of Typical and Atypical Language Processing (co-

ordinators, D. Kurtzberg, & R.G. Schwartz) at IASCLI Meeting, San Sebastian, Spain. July 12-16, 1999.

Vaughan, H. G., Kurtzberg, D, Shafer, V.L.; Knuth, K.H., Hrabe, J., Liu, G., & Lantos, G. When and where: auditory/phonetic processing in four dimensions, 4th International Conference on Functional Mapping of the Human Brain, Montreal, June 1998.

Liu, G., Lantos, G., Shafer, V., Knuth, K., Vaughan, H. Cortical auditory and phonological processing: an fMRI study. 3rd International Conference on Functional Mapping of the Human Brain, Copenhagen, May 1997.

Lantos, G., Liu, G., Shafer, V., Knuth, K., Vaughan, H. Tonotopic organization of primary auditory cortex: an fMRI study. 3rd International Conference on Functional Mapping of the Human Brain, Copenhagen, May 1997.

Shafer V.L. Three-month-old infants' ability to discriminate their native from non-native languages: an electrophysiological investigation. Presented at Program in Speech and Hearing Sciences Colloquia Series, The Graduate Center, CUNY, 1994.

Shafer, V.L. & Jaeger, J.J. The acoustic cues infants use in identifying their native language. Presented at the Linguistic Society of America Annual Meeting, Jan., 1994.

Shucard D.W., Shucard, J.L. & Shafer, V.L. Auditory evoked potentials to probe stimuli: possible implications for attention and allocation of cerebral resources in infants. Presented at Developmental Neuropsychology Satellite Conference, New Orleans, Louisiana. March, 1993. *Developmental Neuropsychology*.

Shucard, J.L., Shucard, D.W., Shafer, V.L., Ferretti, L.E. & Kubow, S.A. Fast habituation of scalp-recorded auditory evoked potentials to paired tone stimuli in infants. Platform presentation at the Society for Neuroscience Meetings, Anaheim, California. November, 1993. *Neuroscience Abstracts*, 18, 584.

Shafer V.L., Gerken L.A, Shucard J.L. & Shucard D.W. 'The' and the brain: An electrophysiological study of infants' sensitivity to English function morphemes. Presented at the 17th Annual Boston University Conference on Language Development, October, 1992.

Shafer V.L., Shucard D.W., Shucard J.L. & Gerken L.A. An electrophysiological study of infants' sensitivity to the sound structure of English function words. Platform presentation at the Society for Neuroscience Meetings, Anaheim, California. November, 1992. *Neuroscience Abstracts*, 18, 584.

Shafer, V.L. Home visits in the study of language acquisition. Niagara Linguistics Society Working Papers Symposium, Buffalo, New York, April, 1992.

Shucard D.W., Shucard J.L., Rogers B.T., Shafer V.L. & Ram D. A longitudinal study of neurocognitive functioning in two infants with perinatal brain insult. Presented at the New York Neuropsychology Group Twelfth Annual Conference, New York, April, 1991. Abstract in *International Journal of Neuroscience*.

- Datta, H., Hestvik, A., Vidal, N., Tessel, C., Hisagi, M., Wróbleski, M., & Shafer, V. L. (2020). Automaticity of speech processing in early bilingual adults and children. *Bilingualism: Language and Cognition*, 23(2), 429–445. <https://doi.org/10.1017/S1366728919000099>
- Mandel Michael I., Grover Vikas, Zhao Mengxuan, Choi Jiyoung, & Shafer Valerie L. (2019). The Bubble Noise Technique for Speech Perception Research. *Perspectives of the ASHA Special Interest Groups*, 4(6), 1653–1666. [https://doi.org/10.1044/2019\\_PERS-19-00058](https://doi.org/10.1044/2019_PERS-19-00058)
- Ortiz-Mantilla, S., Cantiani, C., Shafer, V. L., & Benasich, A. A. (2019). Minimally-verbal children with autism show deficits in theta and gamma oscillations during processing of semantically-related visual information. *Scientific Reports*, 9(1), 5072. <https://doi.org/10.1038/s41598-019-41511-8>
- Yu, Y. H., Tessel, C., Han, H., Campanelli, L., Vidal, N., Gerometta, J., Garrido-Nag, K., Datta, H., & Shafer, V. L. (2019). Neural Indices of Vowel Discrimination in Monolingual and Bilingual Infants and Children. *Ear and Hearing*, 40(6), 1376–1390. <https://doi.org/10.1097/AUD.0000000000000726>