

## CURRICULUM VITAE

Richard G. Schwartz, Ph.D.

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Date of initial appointment at GC 1/1/91

### EDUCATION

- 1968 - 1970 McGill University  
Psychology
- 1974 M.S. University of South Florida  
Speech-Language Pathology
- 1978 Ph.D. University of Memphis (formerly Memphis State University)  
Speech-Language Pathology/Developmental Psychology

### ACADEMIC APPOINTMENTS

- 1978-1981 Assistant Professor, Speech-Language Pathology, Department of  
Speech and Theatre Arts, University of Pittsburgh
- 1981-1984 Assistant Professor, Speech-Language Pathology, Purdue University
- 1985-1987 Director, Purdue University Speech-Language Clinic
- 1984-1990 Associate Professor/ Professor Speech-Language Pathology, Purdue  
University
- 1991-2003 Professor, Speech and Hearing Sciences, The Graduate Center of the City  
University of New York
- 1991-present Director, Child Language Laboratory, The Graduate Center of the City  
University of New York
- 1991-1992 Visiting Professor of Communication Disorders, Tel Aviv University
- 1993-2005 Professor of Otolaryngology (Visiting), Albert Einstein College of  
Medicine.
- 1993-2002 Director, Speech-Language Laboratory, Rose F. Kennedy Center, Albert  
Einstein College of Medicine
- 1998-1999 Visiting Professor of Psychology, University of California-San Diego
- 1999-2000 Acting Executive Officer (Chair), Ph.D. Program in Speech and Hearing  
Sciences, Graduate Center of the City University of New York.  
Acting Director, Research Center for Speech and Hearing Sciences,  
Graduate Center of the City University of New York.
- 2000-2001 Visiting Assistant Professor of Psychiatry, Weill Medical College of  
Cornell University
- 2003-present Member, Centre for Communication Disorders Faculty of Education  
University of Hong Kong
- 2003-present Presidential Professor, Speech-Language-Hearing Sciences, The Graduate  
Center of the City University of New York
- 2006 Visiting Professor, University of Alabama
- 2008-2016 Director, Language and Hearing Research Laboratory, New York Eye and  
Ear Infirmary, Cochlear Implant Center

## **HONORS AND AWARDS**

- 1991 Fellow, American Speech, Language, Hearing Association
- 1992 Editor's Award, Language Speech and Hearing Services in the Schools
- 1993 Honors, New York Speech-Language-Hearing Association
- 1998 Marden Fellow, University of Hong Kong
- 2012 ASHA Meritorius Poster Award (w. Kristen Victorino)
- 2009-2015 ASHA Awards for Continuing Education (ACE)
- 2014 Honors of the Association, American Speech-Language-Hearing Association
- 2014 ASHA Research Mentoring-Pair Travel Award (with Zara Waldman DeLuca)

## **PROFESSIONAL AFFILIATIONS**

- Member, American Speech-Language-Hearing Association, 1973-present
- Member, International Association for the Study of Child Language, 1977-present
- Member, Society for Research in Child Development, 1978-present
- Member, American Cochlear Implant Association—2009-present

## **DISSERTATION DIRECTION (Last 10 years)**

- 2006 Munger, C. Divided attention in children with and without specific language impairment.
  - 2007 Kenan, N. Lexical characteristics of verbs in school-age children with specific language impairment.
  - 2008 MacRoy-Higgins, M. Phonotactic probability effects on word learning in late talkers.
  - 2009 Tropper (Epstein), B. An electrophysiological & behavioral examination of cognitive control in children with specific language impairment.
  - 2010 Wechsler-Kashi, D. Lexical processing during naming in children with cochlear implants.
  - 2011 Russo Victorino K. Auditory selective attention and language processing in children with and without specific language impairment.
  - 2012 Kunz, B.A. Selective attention in children with specific language impairment: auditory and visual stroop effects.
  - 2012 Battaglia, D. Lexical access in children with autism.
  - 2013 Rota-Donahue C. Frequency discrimination in children with APD or SLI.
  - 2014 Almodovar, D. Phontactic probability and lexical access in children with SLI.
  - 2015 Lopez, K. Pragmatics and semantics in autism spectrum disorder.
  - 2015 Fortunato-Tavares, T. Prosody and sentence processing in children with cochlear implants.
  - 2015 DeLuca, Z. Wh-question processing in children with cochlear implants.
  - 2016 Sasaki, M. Relative clause sentence comprehension by Japanese-speaking children with specific language impairment and children with typical language development.
  - 2016 Sasaki, M. Relative clause comprehension in Japanese-speaking children with SLI.
  - 2016 Sylvia, L. Auditory and visual interference in picture naming by children with APD and SLI.
- In Progress
- 2016 Fishman, I. Lexical access in individuals with severe speech impairment
  - 2016 Reilly, E. Perspective-taking and mental rotation in children with ASD

### ARTICLES IN REFEREED JOURNALS

1. Leonard, L.B., & Schwartz, R.G. (1977). Focus characteristics of single-word utterances after syntax. *Journal of Child Language*, *5*, 151-158.
2. Leonard L.B., Schwartz, R.G., Folger, M.K., & Wilcox, M.J. (1978). Some aspects of child phonology in imitative and spontaneous speech. *Journal of Child Language*, *5*, 403-416.
3. Schwartz, R.G., & Folger, M.K. (1978). Sensorimotor development and descriptions of child phonology: A preliminary view of phonological analysis for Stage I Speech. *Papers and Reports in Child Language*, *13*, 8-15.
4. Leonard, L.B., Schwartz, R.G., Folger, M.K., Newhoff, M., & Wilcox, M.J. (1979). Children's imitations of lexical items. *Child Development*, *50*, 19-27.
5. Schwartz, R.G. (1980). Presuppositions and children's metalinguistic judgments: Concepts of life and awareness of animacy restrictions. *Child Development*, *51*, 364-371.
6. Schwartz, R.G., & Leonard, L.B. (1980). Words, objects and actions in early lexical acquisition. *Papers and Reports in Child Language Development*, *9*, 29-36.
7. Schwartz, R.G., Leonard, L.B., Folger, M.K., & Wilcox, M.J. (1980). Early phonological behavior in normal and language disordered children: Evidence for a synergistic view of language disorders. *Journal of Speech and Hearing Disorders*, *45*, 357-378.
8. Schwartz, R.G., Leonard, L.B., Wilcox, M.J., & Folger, M.K. (1980). Again and Again: Reduplication in child phonology. *Journal of Child Language*, *7*, 75-88.
9. Leonard, L.B., Schwartz, R.G., Morris, B., & Chapman, K. (1981). Factors influencing early lexical acquisition: lexical orientation and phonological composition, *Child Development*, *52*, 882-887.
10. Leonard, L.B., Schwartz, R.G., Chapman, K., Rowan, L., Prelock, P., Terrell, B., Weiss, A., & Messick, C. (1982). Early lexical acquisition in children with specific language impairment. *Journal of Speech and Hearing Research*, *25*, 554-564.
11. Schwartz, R.G., & Leonard, L.B. (1982). Do children pick and choose? Phonological selection and avoidance in early lexical acquisition. *Journal of Child Language*, *9*, 319-336.
12. Schwartz, R.G. (1983). The role of action in early lexical acquisition. *First Language*, *4*, 5-20.
13. Schwartz, R.G., & Leonard, L.B. (1983). Some further comments on reduplication in child phonology. *Journal of Child Language*, *10*, 441-448.
14. Schwartz, R.G., & Terrell, B.T. (1983). The role of input frequency in early lexical acquisition. *Journal of Child Language*, *9*, 57-64.
15. Schwartz, R.G., & Leonard, L.B. (1984). Words, objects and actions in early lexical acquisition. *Journal of Speech and Hearing Research*, *27*, 119-127.
16. Terrell, B.T. , Schwartz, R.G., Prelock, P. & Messick, C. (1984). Symbolic play in normal and language-impaired children. *Journal of Speech and Hearing Research*, *27*, 424-429.
17. Schwartz, R.G., Chapman, K., Prelock, P.A., Terrell, B.Y., & Rowan, L.E. (1985). Facilitation of early syntax through discourse structure. *Journal of Child Language*, *12*, 199-207.
18. Schwartz, R.G., & Camarata, S. (1985). Examining relationships between input and language development: Some statistical issues. *Journal of Child Language*, *12*, 199-207.
19. Camarata, S., & Schwartz, R. (1985). Production of object words and action words: Evidence for a relationship between phonology and semantics. *Journal of Speech and Hearing Research*, *28*, 323-330.
20. Leonard, L., Camarata, S., Schwartz, R., Chapman, K., & Messick, C. (1985). Homonymy in the speech of children with specific language impairment. *Journal of Speech and Hearing Research*, *28*, 215-224.

21. Schwartz, R.G., Chapman, K., Terrell, B.Y., Prelock, P.A., & Rowan, L.E. (1985). Facilitating word combination in language impaired children through discourse structure. *Journal of Speech and Hearing Disorders*, *50*, 31-39.
22. Schwartz, R., & Leonard, L. (1985). Lexical imitation and acquisition in language impaired children. *Journal of Speech and Hearing Disorders*, *50*, 141-149.
23. Schwartz, R.G., Leonard, L.B., Messick, C., & Chapman, K. (1987). Acquisition of object names in children with specific language impairment: action context and word extension. *Applied Psycholinguistics*, *8*, 233-244.
24. Schwartz, R.G., Leonard, L.B., Frome Loeb, D., & Swanson, L. (1987). Attempted sounds are sometimes not: an expanded view of phonological selection and avoidance. *Journal of Child Language*, *14*, 411-419.
25. Leonard, L.B., Schwartz, R.G., Swanson, L., & Frome Loeb, D. (1987). Some conditions that promote unusual phonological behavior in children. *Journal of Clinical Linguistics and Phonetics*, *1*, 23-34.
26. Pollock, K. E., & Schwartz, R. G. (1987). Phonological perception of early words. *Papers and Reports on Child Language Development*, *26*, 88-96.
27. Pollock, K.E., & Schwartz, R.G. (1988). Structural aspects of phonological development: case study of a disordered child. *Language Speech and Hearing Services in the Schools*, *19*, 5-16.
28. Schwartz, R.G. (1988). Early action word acquisition in normal and language-impaired children. *Applied Psycholinguistics*, *9*, 111-122.
29. Terrell, B.Y., & Schwartz, R.G. (1988). Object transformations in the play of language impaired children. *Journal of Speech and Hearing Disorders*, *53*, 449-456.
30. Leonard, L.B., Schwartz, R.G., Allen, G.D., Swanson, L.A., & Loeb, D.F.\* (1989). Unusual phonological behavior and the avoidance of homonymy in children. *Journal of Speech and Hearing Research*, *32*, 583-590.
31. Tenorio, M.F., Schwartz, R.G., & Tom, M.D. (1990). Unrestricted text-to-speech conversion with a distributed adaptive network. *Pattern Recognition Letters*.
32. Loeb, D., & Schwartz, R.G. (1990). Language characteristics of a linguistically precocious child. *First Language*, *10*, 1-18.
33. Tenorio, M.F., Schwartz, R.G., & Tom, M.D. (1990). Adaptive networks as a model for human speech development. *Computers in Human Behavior*, *6*, 291-313.
34. McGregor, K., & Schwartz, R. G. (1992). Converging evidence for underlying phonological representation in a misarticulating child. *Journal of Speech and Hearing Research*, *35*, 596-603.
35. Schwartz, R.G. (1993). Clinical applications of advances in phonological theory. *Language Speech and Hearing Services in the Schools*, *23*, 269-276.
36. Davidson, C., & Schwartz, R.G. (1995). Semantic boundaries in the lexicon. *Linguistics and Education*, *7*, 47-94.
37. Valafar, F., Homayoun, V. Ersoy, O., Schwartz, R.G. (1995). Comparative studies of two neural network architectures for modeling of human speech production. *IEEE International Conference on Neural Networks - Conference Proceedings*, *4*, 1995, 2056-2061.
38. Schwartz, R. G. (1995). The effect of familiarity on word duration in children's speech. *Journal of Speech and Hearing Research*, *38*, 76-84.
39. Schwartz, R.G., & Goffman, L. (1995). Metrical patterns of words and production accuracy. *Journal of Speech and Hearing Research*, *38*, 876-888.
40. Gates, G., Schwartz, R.G., et al. (1997). NIH Consensus conference: Cochlear implants in children and adults. *Journal of the American Medical Association*, *274*, 1955-1961.

41. Wallace, I., Gravel, J., Schwartz, R.G., & Ruben, R. (1996). Otitis media, parental linguistic style, and language skills of 2-year olds. *Developmental and Behavioral Pediatrics*, *17*, 27-35.
42. Goffman, L.E., & Schwartz, R.G. (1996). Information level and young children's phonological accuracy. *Journal of Child Language*, *23*, 337-348.
43. Schwartz, R. G., Petinou, K., Goffman, L., Lazowski, J. & Cartusciello, C. (1996). Young children's production of syllable stress: An acoustic analysis. *Journal of the Acoustical Society of America*, *99*, 3192-3200.
44. Mody, M., Schwartz, R.G., Gravel, J.S., & Ruben, R.J. (1999). Speech perception in children with and without histories of otitis media. *Journal of Speech, Language, and Hearing Research*, *42*, 1069-1079.
45. Petinou, K., Schwartz, R.G., Mody, M., & Gravel, J. (1999). The impact of otitis media with effusion on early phonetic inventories: A longitudinal prospective investigation. *Clinical Linguistics and Phonetics*, *13*, 351-367.
46. Ruben, R.J., & Schwartz, R.G. (1999). Necessity versus sufficiency: Auditory input in language acquisition. *International Journal of Otolaryngology*, *47*, 137-140.
47. Petinou, K., Schwartz, R.G., Gravel, J., & Raphael, L. (2000). A preliminary account of morphophonological perception in young children with and without otitis media. *International Journal of Communication Disorders*, *36*, 21-42.
48. Shafer, V., Schwartz, R.G., Morr, M., Kessler, K., & Kurtzberg, D. (2000). Deviant neurophysiological asymmetry in children with language impairment. *NeuroReport*, *11*, 3715-3718.
49. Shafer, V., Schwartz, R.G., Morr, M., Kessler, K., Kurtzberg, D., & Ruben, R. (2000). Neurophysiological indices of language impairment in children. *Acta Otolaryngology*, *121*, 297-300.
50. Jacobson, P., & Schwartz, R.G. (2002). Production of inflectional morphology in incipient Spanish-English bilingual children with SLI. *Applied Psycholinguistics*, *23*, 23-41.
51. Levey, S., & Schwartz, R.G. (2002). Young children's syllable omissions. *Quarterly Journal of Communication Disorders*, *23*, 168-176.
52. Marton, K., & Schwartz, R.G. (2003). Working Memory Capacity and Language Processes in Children with Specific Language Impairment. *Journal of Speech, Language, and Hearing Research*, *46*, 1138 - 1153.
53. Shafer, V.L., Schwartz, R.G., & Kurtzberg, D. (2004). Language-specific memory traces of consonants in the brain. *Cognitive Brain Research*, *18*, 242-254.
54. Wong, P., Schwartz, R.G., Jenkins, J. (2005). Perception and production of lexical tones by 3-Year-Old Mandarin-speaking children. *Journal of Speech, Language, and Hearing Research*, *48*, 1065 - 1079. .
55. Jacobson, P., & Schwartz, R.G. (2005) Regular and irregular past tense in bilingual children with specific language impairment. *American Journal of Speech-Language Pathology*, *14*, 313-323.
56. Marton, K., Schwartz, R. G. and Braun, A. (2005). The effect of age and language structure on working memory performance. *Proceedings from the 27th Annual Conference of the Cognitive Science Society* Austin, Tx: The Cognitive Science Society, Inc., 1413-1418.
57. Shafer, V.L., Kessler, K.L., Morr, M.L., Schwartz, R.G., & Kurtzberg, D. (2005). Spatiotemporal brain activity to "the" in discourse. *Brain and Language*, *93*, 277-297
58. 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. *Cognitive Neuroscience*, *17:7*, 1168-1180.
59. Marton, K., Schwartz, R.G., Farkas, L., Katsnelson, V. (2006). Effect of sentence length and complexity on working memory performance in Hungarian children with specific language

- impairment: A cross-linguistic analysis. *International Journal of Language and Communication Disorders*, **41**, 653-673.
60. Girbau, D., & Schwartz, R.G. (2007). Nonword Repetition in Spanish-speaking children with language impairment. *International Journal of Language and Communication Disorders*, **42**, 59 - 75.
  61. Hestvik, A., Shafer, V., Maxfield, N., Schwartz, R.G. (2007). Brain responses to filled gaps. *Brain and Language*, **100**, 301-316.
  62. Shafer, V.L., Ponton, C., Datta, H., Morr, M., & Schwartz, R.G. (2007). Neurophysiological indices of attention children with specific language impairment. *Clinical Neurophysiology*, **118**, 1230-1243.
  63. Seiger-Gardner, L. & Schwartz, R.G. (2008). Lexical access during word production in school-aged children with and without SLI. *International Journal of Language and Communication Disorders*, **43**, 1-23.
  64. Girbau, D. & Schwartz, R.G. (2008). Phonological working memory in incipient bilingual Spanish-English children with specific language impairment. *Journal of Communication Disorders*, **41**, 124-145.
  65. Fortunato-Tavares T., Rocha C.N., Andrade C.R., Befi-Lopes D.M., Schochat E., Hestvik A., Schwartz R.G. (2009) Linguistic and auditory temporal processing in children with specific language impairment. *Pro Fono*, **21**, 279-284.
  66. Datta, H., Shafer, V.L., Morr, M., Kurtzberg, D., Schwartz, R.G. (2010). Electrophysiological indices of discrimination of long duration, phonetically similar vowels in children with typical and atypical language development. *Journal of Speech, Language, and Hearing Research*, **53**, 757-777.
  67. Hestvik, A., Schwartz, R. G., & Tornyova, L. (2010). Relative clause gap-filling in children with specific language impairment. *Journal of Psycholinguistic Research*, **39**, 443-456.
  68. Velez, M., & Schwartz, R.G. (2010). Spoken word recognition in school-age children with SLI: Semantic, phonological, and repetition priming. *Journal of Speech, Language, and Hearing Research*, **53**, 1616-1628.
  69. Shafer, V.L., Schwartz, R.G., & Martin, B. (2011). Evidence of deficient central speech processing in children with specific language impairment: The t-complex. *Clinical Neurophysiology*, **122**, 1137-55.
  70. Girbau, D., & Schwartz, R.G. (2011). Implicit semantic priming in spanish-speaking children and adults: an auditory lexical decision task. *The Spanish Journal of Psychology*, **14**, 1-16.
  71. Fortunato-Tavares, T., de Andrade, C.R.F., Befi-Lopes, D.M., Hestvik, A., Epstein, B., Tornyova, L., & Schwartz, R.G. (2012). Syntactic structural assignment in Brazilian Portuguese-speaking children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, **55**, 1097-1111.
  72. Levi, S.V., & Schwartz, R.G. (2013). Talker perception develops along with language skills. *Journal of Speech, Language, and Hearing Research*, **56**, 913-925.
  73. Epstein, B., Hestvik, A., Shafer, V.L., & Schwartz, R.G. (2013). ERPs reveal atypical processing of subject vs. object *wh*-questions in children with specific language impairment. *International Journal of Language & Communication Disorders*, **48**, 351-365.
  74. MacRoy-Higgins, M., Schwartz, R.G., Shafer, V.L., & Marton, K. (2013). The influence of phonotactic probability on lexical learning in late talkers. *International Journal of Language and Communication Disorders*, **48**, 188-199.
  75. Schwartz, R.G., Scheffler, F.L.V., & Lopez, K. (2013). Speech perception and lexical effects in specific language impairment. *Clinical Phonetics & Linguistics*, **27**, 339-354.
  76. Schwartz, R.G., Steinman, S., Ying, E., Mystal, E., & Houston, D. (2013). Language processing in children with cochlear implants: A preliminary report on lexical access for

production and comprehension. *Clinical Phonetics & Linguistics*, *27*, 264-277.

77. MacRoy-Higgins, M., Shafer, V.L., Marton, K., & Schwartz, R.G. (2013). The influence of phonotactic probability on early word perception. *Child Language Teaching and Therapy*, *48*, 188-199.
78. Kenett, Y.N., Wechsler-Kashi, D., Kenett, D., Schwartz, R.G., Ben-Jacob, E., & Faust, M. (2013). Semantic organization in children with cochlear implants: Computational analysis of verbal fluency. *Frontiers in Psychology: Language Sciences*, *4*, 543, 1-11.
79. Girbau-Massana, D., Garcia-Martí, G., Martí-Bonmatí, L., & Schwartz, R.G. (2014). Gray-white matter and cerebrospinal fluid volume differences in children with specific language impairment and/or reading disability. *Neuropsychologia*, *56*, 90-100.
80. Epstein, B., Shafer, V.L., Melara, R., & Schwartz, R.G. (2014). Can children with SLI detect cognitive conflict? Behavioral vs. electrophysiological evidence. *Journal of Speech, Language, and Hearing Research*, *57*, 1-15.
81. Wechsler-Kashi, D., Schwartz, R.G., & Cleary, M. (2014). Lexical naming in children with cochlear implants. *Journal of Speech, Language, and Hearing Research*, *57*, 1870-1882.
82. Schwartz, R.G. (2015). The when and how of input frequency effects on lexical development. *Journal of Child Language*, *42*, 298-300.
83. Fortunato-Tavares, T., de Andrade, C.R.F., Belfi-Lopes, D.M., Torniyova, L., & Schwartz, R.G. (2015). Syntactic Assignment and working memory in children with specific language impairment, autism or Down Syndrome. *Clinical Phonetics and Linguistics*, *29*, 499-522.
84. Victorino, K.R., & Schwartz, R.G. (2015). Control of auditory attention in children with specific language impairment. *Journal of Speech, Language, and Hearing Research*, *58*, 1245-1257.
85. Eichorn, N., Marton, K., Schwartz, R.G., & Melara, R.D., & Pirutinsky, S. (2016). When less can be more: Dual task effects on speech fluency in stuttering and fluent adults. *Journal of Speech, Language, and Hearing Sciences* *5*, 415-429.
86. Rota-Donahue, C., Schwartz, R.G., Shafer, V., & Sussman, E. (2016). Perception of small frequency differences in children with auditory processing disorder and/or specific language impairment. *Journal of the American Academy of Audiology*, *27*, 489-497.
87. Schwartz, R.G., A. Hestvik, Seiger-Gardner, L. & Almodovar, D. (in press). Processing binding relations in children with SLI. *Journal of Speech, Language, and Hearing Sciences*.
88. Fortunato-Tavares, T., Howell, P., Schwartz, R.G., Juste, F.S., de Andrade, C.R.F. (2016). Children who stutter exchange linguistic accuracy for processing speed in sentence comprehension. *Applied Psycholinguistics*, *37*, 1-25.
89. Cantiani, C., Choudhury, N., Yu, Y.N., Shafer, V.L., Schwartz, R.G., Benasich, A.A. (in press). From sensory perception to lexical-semantic processing: an ERP study in nonverbal children with autism. *PLOS One*.

## UNDER REVIEW

Rajan, V., Konishi, H., Ridge, K., Houston, D., Golinkoff, R., Hirsh-Pasek, K., Schwartz, R.G. (2015). Novel word learning at 21 months predicts language-specific outcomes in middle childhood. *Developmental Psychology*.

Fortunato-Tavares, T., Schwartz, R.G., de Andrade, C.F., Marton, K., & Houston D. (2016). Prosodic boundary effects on syntactic disambiguation in children with cochlear implants. Submitted to *Journal of Speech, Language, and Hearing Sciences*.

Victorino, K.R., & Schwartz, R.G. Relations between Working Memory, Auditory and Visuospatial Processing, and Attention Control in Children with SLI. Submitted to the International Journal of Language & Communication Disorders.

## BOOKS

Schwartz, R.G. (2009). *Handbook of Child Language Disorders*. New York, NY: Psychology Press.

Schwartz, R.G. (2017). *Handbook of Child Language Disorders 2<sup>nd</sup> edition*. New York, NY: Psychology Press.

Auza, A.B., & Schwartz, R.G. (in press). *Language Development and Disorders in Spanish-speaking Children*. Dordrecht: Springer.

## CONTRIBUTED CHAPTERS AND PROCEEDINGS (Last five years)

1. Leonard, L.B., Steckol, K.F., & Schwartz, R.G. (1978). Semantic relations and utterance length in child language. In F. Peng & W. von Raffler-Engel (Eds.) *Language acquisition and developmental kinesics* (pp. 93-106). Tokyo: Bunka Hyron.
2. Steckol, K., & Schwartz, R.G. (1981). Do actions speak louder than words? In R. St. Clair & W. von Raffler Engel (Eds.) *Developmental kinesics: The emergence of a paradigm* (pp. 29-37). Baltimore: University Park Press.
3. Schwartz, R.G. (1982). Development of pragmatics: Early word level. In J. Irwin (Ed.) *The role of pragmatics in language development* (pp. 29-48). Covina, CA: Fox Point.
4. Schwartz, R.G. (1982). Lexical styles in early language acquisition. R. St. Clair & W. von Raffler-Engel (Eds.) In *Language and cognitive styles* (pp. 197-222). Lisse, Holland: Swets and Zeitlinger.
5. Schwartz, R.G., & Prelock, P. (1982). Cognitive aspects of phonological disorders. In J. Panagos (Ed.) *Phonological Disorders - language and cognitive deficits, Seminars in speech, language, and hearing* (pp. 149-162). New York: Thieme.
6. Schwartz, R.G. (1983). Articulation disorders. In I. Meitus and B. Weinberg (Eds.) *Diagnosis in speech-language pathology* (pp. 113-150). Baltimore: University Park Press.
7. Schwartz, R.G., Messick, C.M., Pollock, K.E. (1983). Some non-phonological aspects of phonological assessment. In J. Locke (Ed.) *Assessment of phonological disorders: Seminars in speech, language, and hearing* (pp. 335-350). New York: Thieme-Stratton.
8. Leonard, L.B. & Schwartz, R.G. (1984). Early linguistic development in children with specific language impairment. In K.E. Nelson (Ed.) *Children's language Volume IV*, Hillsdale, NJ: Lawrence Erlbaum Associates.
9. Schwartz, R.G. (1984). Analysis of one- and two-word utterances. In R. Naremore (Ed.) *Language science - recent advances* (pp. 1-36). San Diego: College Hill Press.
10. Schwartz, R.G. (1984). The phonologic system: Normal acquisition. In J. Costello (Ed.) *Speech disorders in children - recent advances* (pp. 25-74). San Diego: College Hill Press.
11. Schwartz, R.G. (1988). Phonological factors in early lexical acquisition. In M. Smith & J. Locke (Eds.) *The emergent lexicon* (pp. 185-222). New York: Academic Press.
12. Schwartz, R.G. (1990). Interactions among language components in the speech production of phonologically disordered children. In M. Yavas (Ed.) *Phonological development and phonological disorders*. Sao Paulo: Mereado Alberto.
13. Schwartz, R.G. (1991). Lexical acquisition and processing in specific language impairment. In J. Miller (Ed.) *New Directions in Research on Child Language Disorders*. San Diego: College Hill Press.
14. Schwartz, R.G. (1992). Non-linear phonology as a framework for acquisition. In R. Chapman (Ed.) *Childtalk: Processes in Language Acquisition and Disorders*. Mosby-Yearbook.



15. Schwartz, R.G. (1993). Phonological Disorders. In G. Shames, E. Wiig, & W. Secord (Eds.) *Human Communicative Disorders*. Columbus, OH: Merrill.
16. Bjorklund, D., & Schwartz, R.G. (1995). The adaptive nature of developmental immaturity. In M. Smith & J. Damico (Eds.) *Childhood Language Disorders*. New York: Thieme.
17. Schwartz, R.G., Mody, M., & Petinou, K. (1998). Phonological acquisition in children with OME: Speech perception and speech production. In J. Roberts & I. Wallace (Eds.) *Otitis Media, Language, and Learning in Young Children*. Baltimore, MD: Paul H. Brookes.
18. Schwartz, R.G. (1998). Phonological Disorders. In G. Shames, E. Wiig, & W. Secord (Eds.) *Human Communicative Disorders*. Columbus, OH: Merrill.
19. Schwartz, R.G. (2001). Phonological Disorders. In G. Shames and N. Anderson (Eds.) *Human communicative Disorders*. Boston, MA: Allyn and Bacon.
20. Ruben, R. J., & Schwartz, R.G. (2001). Necessity versus sufficiency: The role of input in language acquisition. In T. Sih, A. Chinski, R. Eavey (eds.). *Manual of Pediatric Otolaryngology*. Interamerican Association of Otorhinolaryngology: Sao Paulo, Brazil.
21. 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*, pp. 751-761. Somerville, MA: Cascadilla Press.
22. Schwartz, R.G. (2005). Phonological Disorders. In G. Shames and N. Anderson (Eds.) *Human Communicative Disorders 7th Edition*. Boston, MA: Allyn and Bacon.
23. Schwartz, R. G., Jacobson, P. F., & Sheffler, F. L. (2006). Evidence-based practice in communication disorders: language, speech, and voice disorders in children. In F. D., Burg, R. A. Polin, and A. A. Gershon (eds): *Current Pediatric Therapy*. Philadelphia: Saunders.
24. Schwartz, R.G. (2006). Would Today's IRB Approve the Tudor Study? Ethical Considerations in Conducting Research Involving Children with Communication Disorders. In R. Goldfarb (Ed.) *Ethics: A Case Study from Fluency*. San Diego: Plural Publishing.
25. Tropper, B. & Schwartz, R.G. (2009). The neurobiology of child language disorders. In R.G. Schwartz (Ed.) *The Handbook of Child Language Disorders*. New York, NY: Psychology Press.
26. Schwartz, R.G. (2009). Specific language impairment. In R.G. Schwartz (Ed.) *The Handbook of Child Language Disorders*. New York, NY: Psychology Press.
27. Tropper, B., Hestvik, A. Shafer, V.L., & Schwartz, R.G. (2009). Questions in children with specific language impairment: an ERP study. In H. Chan, H. Jacob, & E. Kapia (Eds.) *BUCLD 32: Proceedings of the 32nd Annual Boston University Conference on Language Development*. pp. 504-515 . Somerville, MA: Cascadilla Press.
28. Schwartz, R.G. & Marton, K. (2011). Phonological Disorders. In N. Anderson and G. Shames and (Eds.) *Human Communicative Disorders 8th Edition*. Boston, MA: Allyn and Bacon.
29. Schwartz, R.G., & Shafer, V.L. (2012). The neurobiology of specific language impairment. In M. Faust (Ed.) *Neuropsychology of Language: Advances in the neural substrates of language: Toward a synthesis of basic science and clinical research*. New York: Wiley Blackwell.
30. Yu, Y.H., Choudhury, N., Cantiani, C., Shafer, V.L., MacRoy-Higgins, M., Schwartz R.G., & Benasich A.A. (2012). Electrophysiological correlates of picture-word processing in three-to-seven year old non-verbal children with autism. In A.K. Biller, E.Y. Chung, A.E. Kimball (Eds.) *BUCLD 36: Proceedings of the 36th Annual Boston*

- University Conference on Language Development*, pp. 686-697. Somerville, MA: Cascadilla Press.
31. MacRoy-Higgins, M., & Schwartz, R.G. (2013). Phonology and the lexicon in late talkers. In L. Rescorla and P. Dale (Eds.) *Late talkers: From research to practice*. Baltimore, MD: Paul H. Brookes.
  32. Tropper, B. & Schwartz, R.G. (2017). The neurobiology of child language disorders. In R.G. Schwartz (Ed.) *The Handbook of Child Language Disorders 2<sup>nd</sup> edition*. New York, NY: Psychology Press.
  33. Schwartz, R.G. (2017). Specific language impairment. In R.G. Schwartz (Ed.) *The Handbook of Child Language Disorders 2<sup>nd</sup> edition*. New York, NY: Psychology Press.
  34. Schwartz, R.G., Botwinik-Rotem, I., & Friedmann, N. (2017). Linguistics. In R.G. Schwartz (Ed.) *The Handbook of Child Language Disorders 2<sup>nd</sup> edition*. New York, NY: Psychology Press.
  35. Schwartz, R.G., & Auza, A. (in press). *Introduction to language development and disorders in spanish-speaking children*. A.B. Auza, & R.G. Schwartz (Eds.). *Language Development and Disorders in Spanish-speaking Children*. Dordrecht: Springer.

#### **FEDERAL GRANTS (Last five years)**

- Principal Investigator, Language processing in children with cochlear implants, NIDCD 5R01DC011041 7/1/10-6/30/15 (\$2,290,481).
- Consultant, (S. Levi). Perception of talker cues and linguistic processing in SLI, NIDCD 1R03DC009851-01A2 12/1/10-11/30/13.
- Sponsor (K. Lopez, P.I.) Pragmatics and semantics in autism spectrum disorder, NIDCD 1F31DC013002-01 9/1/12-5/31/14 (\$40,000).
- Principal Investigator (L. Shapiro Co-PI), Real-time examination of childhood language impairment, National Institutes of Health, NIDCD RO1DC003885, 6/1/14-5/31/19 (\$1,956,875) not funded.
- Co-Principal Investigator (R. Otheguy, G. Martohardjono, & V Shafer, Co-PIs) Exploring the underlying linguistic competence of second-generation bilinguals: An implicit measures ERP approach, NSF 8/1/16-7/31/19 (\$520,668), re-submitted 1/15/16.
- Principal Investigator, Language processing in children with cochlear implants, renewal submitted to NIDCD 5R01DC011041 7/1/16-6/30/21(\$3,569,434.00).
- Co-Principal Investigator (Gita Martohardjono, Ricardo Otheguy Co-PIs), Bilingual processing in the US Hispanic community. Submitted to NIDCD/NICHHD, 9/1/2016-8/31/21 (\$1,899,767).

#### **INVITED LECTURES, PRESENTATIONS, AND COURSES (Keynote, Featured, or Sole Speaker--Last Five years)**

- Measuring language outcomes in childhood language impairment , CUNY Graduate Center, 2011.
- Child language disorders: Specific language impairment and language processing. Division of Special Education, University of Macedonia, Thessaloniki, 2011.
- The present and future of research in SLI: Action with a purpose: motivating methodology in SLI, with particular reference to neuroscience (Session organized by P. Fletcher & R. Schwartz), European Union Child Language Disorders Meeting, Thessaloniki, Greece, 2011.
- Issues in outcome measurement for childhood language disorders, University of Hong Kong, 2011.

- Language processing in children with cochlear implants: Approaches to studying lexical access. Indiana University School of Medicine, 2011.
- Language outcomes following cochlear implantation: A review and some new approaches. Department of Physiotherapy, Communication Science & Disorders, Occupational Therapy, Faculty of Medicine, University of São Paulo, 2012.
- Language outcome measurement in children. Department of Physiotherapy, Communication Science & Disorders, Occupational Therapy, Faculty of Medicine, University of São Paulo, 2012.
- Language processing in children with cochlear implants: Lexical access. International Clinical Linguistics and Phonetics Association, Cork, Ireland, 2012.
- Lexical access in children with cochlear implants, Hong Kong University, 2012.
- Language processing in children with cochlear implants: Methods and findings, Barcsi Gusztav College of Special Education of Eotvos Lorand University, Budapest, 2013.
- Working memory and sentence comprehension in SLI: a review and a new approach. European Union Child Language Disorders Meeting, Amsterdam, 2013.
- Methodological advances in studying language processing in children, ASHA Convention, Chicago, 2013.
- Working memory and executive functions in children with cochlear implants. Controversial Issues in Pediatric Audiology, Weill Cornell Medical College, New York Presbyterian, 2015 (presented by Zara Waldman Deluca).
- Lexical access for recognition and production in children with cochlear implants, NYU, New York, 2015.
- Language processing in children with SLI. XVII Encuentro de adquisición del lenguaje, Hospital General Dr. Manuel Gea González, Mexico City, 2016.

#### **CONTRIBUTED (REFEREED) PAPERS (LAST 5 YEARS)**

- Levi, S., & Schwartz, R. (2011). Discrimination and novel auditory category formation in children. Poster presented to the SRCLD, Madison.
- Schwartz, R.G., Ying, E., Steinman, S., Mystal, E.Y., & Houston, D. (2011). Lexical access in children with cochlear implants: auditory priming in lexical decision. Poster presented to the 13th Symposium on Cochlear Implants in Children, Chicago.
- Zane, E., Kresh, S., Genuardi, M., Schafer, V.L., & Schwartz, R.G. (2011). ERP responses to morphosyntactic agreement violations in a passive listening task. Poster presented to IASCL, Montreal.
- Yu, Y., MacRoy-Higgins, M., Shafer, V., Schwartz, R., Flax, J., & Benasich, A. (2011). Neurobiological correlates of developmental changes in spoken word processing. Poster presented to IASCL, Montreal.
- Austin, S.C., MacRoy-Higgins, M., Yu, Y.H., Shafer, V.L., Schwartz, R.G., & Benasich, A. (2011). Electrophysiological indices of processing pictures and words by three-to-seven year old nonverbal children with autism spectrum disorders. Poster presented to IASCL, Montreal.
- Kresh, S., Zane, E., Benasich, A., Schwartz, R.G., & Shafer, V.L. (2011). Low-verbal children with autism spectrum disorder show atypical ERP responses to the onset of meaningful sentences. Poster presented to IASCL, Montreal.
- Datta, H., Tessel, C., Gerometta, J., Vidal-Finnerty, N., Garrido-Nag, K., Schwartz, R.G., & Shafer, V.L. (2011). Relationship between neurophysiology of speech perception and language skills in monolingual and bilingual children. New trends in experimental research in psycholinguistics, Madrid.

- Levi, S., & Schwartz, R.G. (2011). Development of talker perception in school-age children. Poster presented to the ASHA Convention, San Diego.
- Fortunato-Tavares, T., de Andrade, C.R.F., Belfi-Lopes, D., Hestvik, A., & Schwartz, R.G. (2011). Predicate structural assignment in SLI, autism, & down syndrome. Poster presented to the ASHA Convention, San Diego.
- Yu, Y.H., Choudhury, N., Cantiani, C., Shafer, V.L., MacRoy-Higgins, M., Schwartz, R.G., & Benasich, A.A. (2011). Electrophysiological correlates of picture-word processing in three-to-seven year old non-verbal children with autism. Presented to the Boston University Conference on Language Development.
- Battaglia, D., & Schwartz, R.G. (2012). Word association in adolescents with autism spectrum disorders. Poster presented to the ASHA Convention, Atlanta.
- Victorino, K., & Schwartz, R.G. (2012). Selective attention & language processing in children with SLI. Poster presented to the ASHA Convention, Atlanta. **Meritorious Submission.**
- Fortunato-Tavares, T., de Andrade, C.R.F., Belfi-Lopes, D., Limongi, S., Fernandes, F., & Schwartz, R.G. (2012). Syntax and working memory in SLI, Autism, and Down Syndrome. Poster presented to the ASHA Convention, Atlanta.
- Girbau, D., Garcia, G, Marti, L., & Schwartz, R.G. (2012). Gray-white matter volume differences in SLI: An MRI study. Poster presented to the ASHA Convention, Atlanta.
- Waldman, Z., Schwartz, R.G., Steinman, S., Ying-Mystal, E. & Ying, L. (2012). Narrative Abilities in Cochlear Implant Users: A Closer Look at Mental and Emotional States. Poster presented at the 12th International Conference on Cochlear Implants and other Implantable Auditory Technologies. Baltimore, MD.
- Schwartz, R.G., Steinman, S., Ying Mystal, E., Ying, E., & Houston, D.M. (2012). Lexical access in children with cochlear implants. Conference on Cochlear Implants and other Implantable Auditory Technologies, Baltimore, MD.
- Schwartz, R.G., Steinman, S, Waldman, Z., Drakopoulou, G., Ying, E., Houston, D.M. (2013). Lexical access for production and recognition in children with cochlear implants: Eye tracking studies. Conference on Cochlear Implants and other Implantable Auditory Technologies, Washington, DC.
- Fortunato-Tavares, T., Schwartz, R. de Andrade, C.R.F. (2013). Sentence processing in children who stutter. Poster presented to the ASHA Convention, Chicago.
- Schwartz, R.G., Steinman, S, Waldman, Z., Drakopoulou, G., Ying, E., & Houston, D.M. (2014). Lexical access for production in children with cochlear implants. Poster presented to SRCLD, Madison, WI.
- Engel, S., Waldman, Z., Schwartz, R.G., Love, T., & Shapiro, L. (2014). Online processing of pronouns in children with specific language impairment. Poster presented to IASCL, Amsterdam.
- Wechsler-Kashi, D., Vaitzner, G., Sharvit-Cohen, H., & Schwartz, R.G. (2014). Lexical organization in children with cochlear implants: Results from performance on semantic verbal fluency tasks. Poster presented to IASCL, Amsterdam.
- Schwartz, R.G., Steinman, S., Waldman, Z., Drakopoulou, G., Ying, E., & Houston, D.M. (2014). Language processing in children with cochlear implants: lexical access. Miniseminar presented to the ASHA Convention, Orlando, FL.
- Schwartz, R.G., Pruitt-Lord, S., Buchwald, A., & Brosseau-Lapr e, F. (2014). Considering Joining the Next Generation of Researchers? Talk With Us. Miniseminar presented to the ASHA Convention, Orlando, FL.
- Victorino, K., & Schwartz, R.G., (2014). Working memory, dichotic listening, & reaction time in specific language impairment: how are they related? Poster presented to the ASHA Convention, Orlando, FL.

- Almodovar, D., Brooks, P., & Schwartz, R.G. (2014). Effects of phonological neighborhood density on lexical access children with & without specific language impairment. Poster presented to the ASHA Convention, Orlando, FL.
- Fishman, I., Djukic, A., & Schwartz, R.G. (2014). Assessing lexical comprehension in girls with Rett syndrome: an eye-tracking study. Poster presented to the ASHA Convention, Orlando, FL.
- Lopez, K., & Schwartz, R.G. (2014). Scalar implicature in high-functioning autism: a case study. Poster presented to the ASHA Convention, Orlando, FL.
- Waldman, Z., Schwartz, R.G., Steinman, S., & Ying, E., & Drakopoulou, G. (2014). Wh-question comprehension in children with cochlear implants: an eye tracking study. Poster presented to the ASHA Convention, Orlando, FL.
- Waldman, Z., Schwartz, R.G., Steinman, S., & Ying, E., & Drakopoulou, G. (2014). Wh-question comprehension in children with cochlear implants: an eye tracking study. poster presented to the asha convention, orlando, fl.
- Waldman, Z., Schwartz, R.G., Steinman, S., & Ying, E., & Drakopoulou, G. (2014). Wh-question comprehension in children with cochlear implants: an eye tracking study. Poster presented to the ASHA Convention, Orlando, FL.
- Schwartz, R.G., Steinman, S, Ying, E., Waldman, Z., Drakopoulou, G., & Houston, D.M. (2014). Eye tracking studies of spoken word production and recognition in children with cochlear implants. Paper presented to the 14<sup>th</sup> Symposium on Cochlear Implants in Children, Nashville.
- Martohardjono, G., Phillips, I, OrtheGuy, R., Vancelette, R., Guzzo, K., Schwartz, R.G., Shafer, V.L., & Hamano, J.C. (2015). Linguistic change in first- and second-generation bilinguals: an ERP study. Poster presented to the Linguistic Society of America, Portland.
- Ridge, K., Konishi, H., Rajan, V., Houston, D., Hirsh-Pasek, K., Eastman, N., & Schwartz, R. (2015). Words for the wise? Novel word learning at 21 months predicts language-specific outcomes at age 10. Poster presented to the Society for Research in Child Development, Philadelphia.
- Schwartz, R.G., Brosseau-Lapr e, F., Lansford, K., & Finestack, L. (2015). Considering Joining the Next Generation of Researchers? Talk With Us. Miniseminar presented to the ASHA Convention, Denver, CO.
- Waldman, Z., Drakopoulou, G., Steinman, S., Schwartz, R.G., & Ying, E. (2015). Working memory in children with cochlear implants: results from a task battery. Poster presented to the ASHA Convention, Denver, CO.
- Lopez, K., & Schwartz, R.G. (2015). Lexical & implied semantics in children with & without ASD. Poster presented to the ASHA Convention, Denver, CO.
- Fortunato-Tavares, T., Faria, A., de Carvalho, A. C., & Schwartz, R. G. (2015). Prosodic effects on syntactic disambiguation in adults with & without cochlear implants. Poster presented to the ASHA Convention, Denver, CO.
- Drakopoulou, G., Waldman, Z., Steinman, S., Khan, S., Schwartz, R.G., Ying, E., & Houston, D. (2015). Response time & duration of word production in children with cochlear implants. Poster presented to the ASHA Convention, Denver, CO.
- Martohardjono, G., Phillips, I, OrtheGuy, R., Madsen II, C., Schwartz, R.G., Shafer, V.L., & Hamano, J.C. (2016). Measuring cross-linguistic influence in first- and second-generation bilinguals: ERP vs. acceptability judgments. The 40<sup>th</sup> Penn Linguistics Conference, Philadelphia, PA.
- Martohardjono, G., Phillips, I, Madsen II, C., Stuck, M., OrtheGuy, R., Schwartz, R.G. (2016). Processing and cross-linguistic influence: An ERP study of second-generation

- bilinguals and wh-islands. Paper presented to Sociolinguistic Variation and Language Processing Conference, Blacksburg, VA.
- Aharodnik, K., Drakopoulou, G., Kim-Lambert, G., Lopez, K., Ojukwu, B., Reilly, E., Strangmann, I.M., Schwartz, R.G. (2016) Phonological and semantic factors in lexical access by children with SLI. Poster presented to SRCLD, Madison, WI.
- Martohardjono, G., Phillips, Madsen II, C.N., Otheguy, R., & Schwartz, R.G. (2016). Linguistic permeability in bilingual processing: Individual- vs. group-level analyses in Spanish-English bilinguals. Paper presented to the Architectures and Mechanisms for Language Processing (AMLAP), Bilbao, Spain.
- Aharodnik, K., Drakopoulou, G., Kim-Lambert, G., Lopez, K., Ojukwu, B., Reilly, E., Strangmann, I., & Schwartz, R.G. (2016). Phonological & semantic competition in spoken word recognition by children with SLI. Poster to be presented to the ASHA Convention, Philadelphia, PA.
- Fortunato-Tavares, T., Andrade, C., Houston, D., Marton, K., & Schwartz, R.G. (2016). Effects of prosody on sentence comprehension in children with cochlear implants. Poster to be presented to the ASHA Convention, Philadelphia, PA.
- Sasaki, M., Schwartz, R.G., Hisano, M., & Suzuki, M. (2016). Relative clause sentence comprehension by japanese-speaking children with SLI & children with TLD. Poster to be presented to the ASHA Convention, Philadelphia, PA.
- Sylvia, L., & Schwartz, R.G. (2016). Lexical access for production in children with SLI and Auditory Processing Deficits. Poster to be presented to the ASHA Convention, Philadelphia, PA. **Meritorious Poster Submission**
- Hall, J., Montgomery, J., Schwartz, R.G., Van Horne, A., Farmer, T., McMurray, B., McGregor, K. (2016). Individual Differences in Online Language Processing. Miniseminar to be presented to the ASHA Convention, Philadelphia, PA.
- Fishman, I., & Schwartz, R.G. (2016). Lexical activation during spoken word recognition in individuals with cerebral palsy & severe speech impairment. Poster to be presented to the ASHA Convention, Philadelphia, PA.