

## **Elena Plante, Ph.D.**

### **Education:**

B.A. Loyola College in Maryland	1984 Speech Pathology
M.S. Loyola College in Maryland	1985 Speech Pathology
Ph.D. The University of Arizona	1990 Speech and Hearing Sciences Neuroscience Minor

**Specialization:** Developmental Language Disorders in children and adults

**Current Position:** Professor & Head  
Department of Speech and Hearing Sciences  
The University of Arizona

**Other Affiliations:** Cognition and Neural Systems  
Cognitive Sciences Program

### **Certification and Affiliations:**

Member, American Speech-Language-Hearing Association (ASHA)  
Member, ASHA Special Interest Division 10, Higher Education  
Certification of Clinical Competence: Speech-Language Pathology, ASHA  
Licensure in Speech-Language Pathology, Arizona

### **Awards and Professional Recognition:**

2006 Editor's Award, article of highest merit, *Language, Speech, & Hearing Services in Schools*  
2004 Fellow, American Speech-Language-Hearing Association  
2003 Galileo Circle Fellow, College of Science, University of Arizona  
2000 Mortar Board Citation, for intense devotion to and distinguished academic accomplishment in one field of endeavor, awarded by the student Mortar Board honorary society, University of Arizona.  
1993 *Human Communication and Its Disorders* nominated by Prentice-Hall for the Textbook Authors' Association textbook of the year award.  
1991 Recognition as an "up and coming researcher" in Carney, J.P., Research: Our Path to the Frontier. *Asha*, 33, 5-6.  
1991 Article selected for *Yearbook of Speech, Language, and Hearing*.  
1984 Editor's Award for the outstanding article published in the 1984 *NSSLHA Journal*.

### **Grants:**

Holland, S.K. (2009-2014) *Pediatric Functional Neuroimaging Research Network* NICHD HHSN275200900018C; \$6,400,000 Role of the Project: Consultant  
Cone-Wesson, B. & Plante, E. (2008-2013) *Developing Clinical Investigators in*

- Audiology and Speech-Language Pathology*. NIDCD T32 DC009398. \$ 1,052,012  
Role on project: Co-Principal investigator.
- Plante, E. (2008-2011). *Receptive skills in developmental language disorder*. NIDCD R01DC004726-06 \$377,500 Role on project: Principal investigator. 5.28 person months effort.
- Christensen, T. (2007-2012). *Brain Mechanisms Linking Language, Attention and Memory*. NIDCD 1K01DC008812-01. Budget: \$981,048, Role on Project: Mentor. .9 Person months effort.
- Plante, E. (2007-2008). *Receptive skills in developmental language disorder*. NIDCD 2R56DC004726-06A1 \$377,500 Role on project: Principal investigator. 5.28 person months effort.
- Plante, E. (2005-2008). *Identification of Adults with Developmental Language Impairment* NIDCD R21 DC007917 . \$452,708. Role on project: PI, 1.44 person months effort.
- Van Petten, C., Glisky, E., & Plante, E. (2004-2010). *Cognitive and Neural Bases of Aging and Memory*. NIA R01 AG014792. Role on project: Investigator, .99 person months effort.
- Gerken, L.A., Gomez, R., (2004-2009). *Learning Mechanisms in Language Acquisition*. NICHD HD42170-01 \$795,375 Role on project: Co-investigator. 1.2 person months effort.
- Holland, S.K. (2006-2011). *FMRI of Normal Language Development in Children*. National Institute on Maternal Health and Child Development. HD38578 \$1,000,748. Role on project: Consultant. .12 person months effort.
- Fletcher, T. & Nahmias, M.L. (2003-2008). *Interdisciplinary special education teacher preparation for the education of students with learning, language, and related disabilities*. Department of Education. Role: Instructor. .6 person months effort.
- Plante, E. (2002-2007). *Receptive skills in developmental language disorder*. National Institute on Deafness and Other Communication Disorders R01 DC04726 \$925,000. Role on project: Principal investigator. 5.28 person months effort.
- Sadrzadeh, S.M.H. & Plante, E. (2002-2005). *Role of haptoglobin in Developmental Language Disorder*. R21 NS041896 \$150,000 Role on project: Co-investigator. 25% effort.
- Plante, E. (2002-2003). *Auditory Attention and Memory* Arizona Alzheimer's Research Award. \$25,000 Role: Principal Investigator. 5% effort.
- Sadrzadeh, S.M.H. & Plante, E. (2002). *Pathophysiology of Developmental Language Disorder* Bamford-Lahey Foundation Grant \$20,000, Role on project: Co-principal investigator.
- Gomez, R. (2001-2004). *Learning Mechanisms in Language Acquisition*. NICHD HD42170-01 \$795,375 Role on project: Co-investigator. 8% effort.
- Holland, S.K. (2000-2004). *FMRI of Normal Language Development in Children*. National Institute on Maternal Health and Child Development. HD38578 \$1,000,748. Role on project: Consultant. 1% effort.
- Van Petten, C., Glisky, E., & Plante, E. (1997-02). *Cognitive and Neural Bases of Aging and Memory*. National Institutes of Aging. AG14792 \$1,558,448. Role on project: Investigator.
- Baum, H., Lauter, J., Fisher, K., Kujawa, S., & Plante, E. (1997-02). *Communication*

- Sciences and Disorders Research Conference Grant*. National Institutes on Deafness and Other Communication Disorders. Project Budget: \$155,012 P.I.: H. Baum.
- Gerken, L.A. & Plante, E. (1997-98). *Assessment of Language Comprehension in Young Children*. University of Arizona. Project budget: \$4876.
- Plante, E. (1996-01). *Developmental Language Disorder: Brain-Behavior Inquiry*. Project within the National Multipurpose Research and Training Grant, Neurogenic Communication Disorders. DC-01409 T. Hixon, Program Director. Project budget \$416,912. Role on project: P.I.
- Plante, E. (1992-97) *The Neurobiology of Developmental Language Impairment*, Clinical Investigator Development Award, National Institutes on Deafness and Other Communication Disorders, K08 DC00077, \$342,794.
- Plante, E. & Swisher, L. (1988). *Neuroanatomic Correlates of Developmental Language Disorders*. Biomedical Research Support Grant Program, National Institutes of Health, BRSG S07RR07002, \$8500.
- Plante, E. (1987-90) *United States Air Force Research Laboratory Graduate Fellowship*, SUB-USAF-S785000006, \$37,996.

**Recent Presentations:** (\* indicates an invited presentation)

- \*Plante, E. (2010, June). Windows into receptive processing. The Dyslexia Foundation 12<sup>th</sup> Extraordinary Brain Symposium, Cong, Ireland.
- Almryde, K., Plante, E., Christensen, T. (2010, June). Varying the Focus of Attention at Encoding Affects Recognition Memory Networks for Spoken Words. Human Brain Mapping, Barcelona, Spain.
- Fidler, L., Dailey, N., Almryde, K., & Plante, E. (2010, June). Using Independent Component Analysis to Detect Cortical Changes During Implicit Language Learning. Human Brain Mapping, Barcelona, Spain.
- Suddarth, R., Plante, E., & Vance, R. (2009, November). Written Narrative Characteristics in Adults With Residual Language-Learning Disability. presentation at the American Speech-Language-Hearing Association Convention, New Orleans, LA.
- Fidler, L.J., Plante, E. Vance, R., & Leonard, B. (2009, June). Use of a sentence generation task to accurately identify language impaired adults for clinical and research purposes. SRCLD, Madison, WI.
- Suddarth, R., Plante, E., & Vance, R. (2009, June). Written narrative characteristics in adults with residual language-learning disability. SRCLD, Madison, WI.
- \*Owen, A., Schwartz, R.G., Tomblin, J.B., Plante, E., Jacobson, P., & McGregor, K. (2008, November). Challenges in the Identification of LI in Elementary School Children. Pannel presentation at the American Speech-Language-Hearing Association Convention, Chicago, IL.
- \*Plante, E. (2008, July). The Neural Basis of Language Processing in the Context of Development. IEEE/IET International Conference on Audio, Language, and Image Processing. Shanghai, China.
- Rentz, L., Plante, E., & Vance, R. (2008, June). Evaluation of a sentence formulation task for its ability to identify adults with residual language impairment. SRCLD, Madison, WI.
- Suddarth, R., Plante, E., Vance, R., & Gerken, L.A. (2008, June). Language Processing and abstraction by young adults with language-based learning disability. SRCLD, Madison,

WI.

- Bahl, M., Plante, E., Gerken, LA (2008, June). Effect of frequency in the input on production by SLI children. SRCLD, Madison, WI.
- Kittleson, M., Aguilar, J., Tokerud, G.L., Asbjørnsen, & Plante, E. (2008, June). Implicit Language Learning: Adult's ability to statistically segment words in Norwegian. SRCLD, Madison, WI.
- Plante, E. (2007, November). The Write Stuff. Lessons for Success in Research Funding Panel presentation at the convention of the American-Speech-Language-Hearing Association. Boston.
- Plante, E., Schuele, M., Rousseau, B., Chiasson, K., & Marler, J. (2007, November) Thinking about a Ph.D.? Informational session for prospective doctoral students. Panel presentation at the convention of the American-Speech-Language-Hearing Association. Boston.
- Hotz, G., Helm-Estabrooks, N., Nelson, N.W., & Plante, E. (2007, November). Pediatric traumatic brain injury: Neurocognitive and language assessment. Miniseminar presentation at the convention of the American-Speech-Language-Hearing Association. Boston
- Chiasson, K., Qualls, C., Ukrainetz, T., & Plante, E. I'm a professor and loving it. Panel presentation at the convention of the American-Speech-Language-Hearing Association. Boston.
- Plante, E. (2007, November). Team Science. Presentation at the Academic Town Hall Meeting, Boston.
- Spaulding-Montoya, T., Plante, E., Vance, R. (2007, June). Attentional control in preschool children with specific language impairment; Deficits in resistance to distractibility and inhibitory control. *Society for Research in Child Language Disorders*, Madison, WI.
- Bahl, M., Plante, E., Vance, R., & Gerken, LA. (2007, June). Processing of prosodic structure by young adults with language based learning disability. *Society for Research in Child Language Disorders*, Madison, WI.
- Plante, E., Vance, R., & Gómez, R. (2007, June). Implicit learning of word order constraints by children with specific language impairment. *Society for Research in Child Language Disorders*, Madison, WI.
- \*Plante, E. (2007, May). The physiology of normal language development as seen through fMRI. *Colloquim given at the Department of Biological Psychology at the University of Bergen*. Bergen, Norway.
- Vannest, J., Karunanayaka, P., Altaye, M., Schmithorst, V., Plante, E., Eaton, K. and Holland, S.K., (2007, June). Comparison between event-related and block-periodic fMRI data from a story processing task in children. *13th Annual Meeting of the Organization for Human Brain Mapping (OHBM)*, Chicago, IL,.
- Karunanayaka, P.R., Holland, S.K., Schmithorst, V.J., Solodkin, A., & Plante, E. (2006). Age-related connectivity changes in fMRI data from children performing a narrative story comprehension task. *Human Brain Mapping*, Florence, Italy.
- Karunanayaka, P.R., Holland, S.K., Schmithorst, V.J., Solodkin, A., Altaye, M., & Plante, E. (2006). Functional connectivity among cognitive modules utilized for narrative story comprehension. *Human Brain Mapping*, Florence, Italy.
- Szaflarski, J.P., Schmithorst, V.J., Altaye, M., Byars, A., Ret, J., Plante, E. & Holland,

- S.K., (2006). Longitudinal fMRI study of narrative comprehension in children ages 5-11. Human Brain Mapping, Florence, Italy.
- Schmithorst, V.J., Holland, S.K., & Plante, E. (2006). Object identification and lexical/semantic access in children: a functional magnetic resonance imaging study. Human Brain Mapping, Florence, Italy.
- Hugdahl, K., Specht, K., Hellend, T., Ofte, S., Plante, E. (2006). fMRI BOLD activation in 6-year-old children at risk for dyslexia. Human Brain Mapping, Florence, Italy.
- \*Plante, E. (2006, June). *Principles of Learning: What promotes generalization?* Speak Up seminar, Bergen, Norway.
- Karunanayaka, P.R., Holland, S.K. Schmithorst, V.J., Solodkin, A., Plante, E. (2006, May). *Age Related Connectivity Changes in fMRI Data from Children Listening to Stories*. ISMRM, Seattle, WA.
- \*Plante, E. (2006, May). *Training students in the lab*. ASHA-NIH Lessons for Success Conference, Rockville, MD.
- \*Plante, E. Tibodeau, L. (2006, May). *Mechanics of Grantwriting*. ASHA-NIH Lessons for Success Conference, Rockville, MD.
- Szaflarski JP, Schmithorst VJ, Altaye M, Byars AW, Ret J, Plante E, Holland SK (2006, April). A longitudinal fMRI study of language development in children" 58th Annual Meeting of the American Academy of Neurology, San Diego, CA.

## **Publications:**

### ***Clinical Test:***

- Hotz, G., Helm-Estabrooks, N., Nelson, N.W., & Plante, E. (2010). Pediatric Test of Brain Injury. Baltimore, MD: Paul H. Brooks Publishing Co.

### ***Books and Chapters:***

- Holland, S.K., Plante, E., Byars, A.W. , Strawsburg, R.H. & Schmithorst, V.J., (2009). "Functional MRI of Brain Lateralization Changes Associated with Normal Language Development". In Eswaran, H. and Singh, N.C., *Advances in Developmental Neuroscience and Imaging*, Anamaya Publishers, New Delhi, India, 45-72,.
- Plante, E & Beeson, P.M. (2008). *Communication and Communication Disorders: A Clinical Introduction, 3<sup>rd</sup> Edition*, Needham, MA: Allyn & Bacon.
- Plante, E & Beeson, P.M. (2004). *Communication and Communication Disorders: A Clinical Introduction, 2<sup>nd</sup> Edition*, Needham, MA: Allyn & Bacon.
- Plante, E & Beeson, P.M. (1999). *Communication and Communication Disorders: A Clinical Introduction*, Needham, MA: Allyn & Bacon.
- Courchesne, E. & Plante, E. (1996). Measurement and Analysis Issues in Neurodevelopmental MR Imaging. In R.W. Thatcher, G.R. Lyon, J. Rumsey, & N. Krasnegor (Eds.) *Developmental Neuroimaging: Mapping the Development of the Brain and Behavior*, New York, NY: Academic Press.
- Plante, E. (1996). Sources of variability in the behavioral and neuroanatomic phenotype of developmental language disorder. In M. Rice (Ed.), *Towards a Genetics of Language*, Hillsdale, NJ: Lawrence Erlbaum Associates.
- Plante, E. (1996). Implications of crosslinguistic research for the biological bases of specific

- language impairment. In M. Rice (Ed.), *Towards a Genetics of Language*, Hillsdale, NJ: Lawrence Erlbaum Associates.
- Plante, E. (1994). Landau-Kleffner Syndrome (Epileptic Aphasia). In A. DeFeo (Ed.). *Parent Articles II*. Tucson, AZ: Communication Skill Builders.
- Plante, E. (1994). Specific Language Impairment. In A. DeFeo (Ed.). *Parent Articles II*. Tucson, AZ: Communication Skill Builders.
- Boone, D.R. & Plante, E. (1993). *Human Communication and Its Disorders* (Second Edition). New York, NY: Prentice Hall.
- Plante, E. (1992). Neurological Aspects of Learning Disabilities. In *The Encyclopedia of Learning and Memory*, New York, NY: Macmillan Press.

**Peer-Reviewed Journal Articles:**

- Fidler, L.J., Plante, E., & Vance, R. (in press). Identification of Adults with Developmental Language Impairments. *American Journal of Speech-Language Pathology*.
- Plante, E., Bahl, M., Vance, R., & Gerken, LA. (in press). Beyond Phonotactic frequency: Presentation Frequency Effects Word Productions in Specific Language Impairment. *Journal of Communication Disorders*. (PMCID: [19324365](#))
- Plante, E., Bahl, M., & Gerken, LA. (in press). Children with specific language impairment show rapid, implicit learning of stress assignment rules. *Journal of Communication Disorders*. (PMCID: [20542518](#))
- Kittleston, M., Aguilar, J.M., Tokerud, G.L., Plante, E., & Asbjørnsen, A.E. (in press). Implicit Language Learning: Adult's ability to segment words in Norwegian. *Bilingualism, Language, & Cognition*.
- Holland, S.K., Plante, E., Byars, A.W. and Schmithorst, V.J., (in press). Functional MRI of Brain Lateralization Changes Associated with Normal Language Development. *Proc. Indo-US Workshop on Developmental Neuroscience and Imaging*.
- Holland, S.K., Byars, A.W., Plante, E. Szaflarski, J.P., Dietrich, K., & Altaye, M. (2010). Letter: MRI safety. *Science*. 329, 512-513.
- Karunanayaka, P., Schmithorst, V.J., Vannest, J., Szaflarski, J.P., Plante, E. and Holland, S.K. (2010). A Group Independent Component Analysis of Covert Verb Generation in Children: A Functional Magnetic Resonance Imaging Study. *Neuroimage*, 51, 472-487.
- Hotz, G., Helm-Estabrooks, N., Nelson, N., & Plante, E. (2009). The Pediatric Test of Brain Injury: Development and interpretation. *Topics in Language Disorders*, 29, 207-223.
- Yuan, W., Altaye, M. Ret, J., Schmithorst, V.J., Byars, A.W., Plante, E., & Holland, S.K. (2009). Quantification of children's head motion in various fmri language tasks. *Human Brain Mapping*, 30, 1481-1489.
- Greenslade, K.J., Plante, E., & Vance, R. (2009). The Diagnostic Accuracy and Construct Validity of the Structured Photographic Expressive Language Test – Preschool: Second Edition (SPELT-P2) *Language, Speech, and Hearing Services in Schools*, 40, 150-160. (PMCID: [PMC2720527](#))
- Bahl, M., Plante, E., & Gerken, LA. (2009). Processing prosodic structure by adults with language-based learning disability. *Journal of Communication Disorders*, 42, 313-323.
- Vannest, J.J., Karunanayaka, P.R., Altaye, M., Schmithorst, V.J., Plante, E.M., Eaton, K.J., Rasmussen, J.M. and Holland, S.K., (2009) Comparison of fMRI data from passive

- listening and active-response story processing tasks in children. *Journal of Magnetic Resonance Imaging*, 29, 971-6.
- Specht, K., Hugdahl, K., Ofte, S., Nygård, M., Bjørnerud, A., Plante, E., & Helland, T. (2009). An fMRI study of brain activation in 6-year old children at-risk for dyslexia. *Scandinavian Journal of Psychology*, 50, 79-91.
- Isaki, E., Spaulding, T.J., & Plante, E. (2008). Contributions of verbal and memory demands to verbal memory performance in language-learning disabilities. *Journal of Communication Disorders*, 41, 512-530.
- Christensen, T., Antonucci, S., Lockwood, J.L., Kittleson, M. & Plante, E. (2008). Cortical and subcortical contributions to the attentive processing of speech. *NeuroReport*, 1, 1101-1105.
- Tillema, J.M., Byars, A.W., Jacola, L.M., Schapiro, M.B., Schmithorst, V.J., Szaflarski, J.P. and Holland, S.K., (2008). Cortical reorganization of language functioning following perinatal left MCA stroke. *Brain & Language*, 105, 99-111.
- Holland, S.K., Plante, E., Byars, A.W. , Strawsburg, R.H. and Schmithorst, V.J., (2008). Functional MRI of Brain Lateralization Changes Associated with Normal Language Development. *Proc. Indo-US Workshop on Developmental Neuroscience and Imaging 2007*.
- Spaulding, T.J., Plante, E., & Vance, R.B. (2008). Sustained selective attention skills of preschool children with specific language impairment: Evidence for separate attentional capacities. *Journal of Speech, Language, & Hearing Research*, 51, 16-34.
- Norrix, L.W., Plante, E., Vance, R., & Boliek, C.A. (2007). Auditory-Visual Integration for Speech by Children with and without Specific Language Impairment. *Journal of Speech, Language, & Hearing Research*, 50, 1639-1651.
- Schmithorst, V.J., Holland, S.K. and Plante, E., (2007). Development of effective connectivity for narrative comprehension in children. *NeuroReport*, 18, 1411-5.
- Fisher, J., Plante, E., Vance, R., Gerken, L.A., Glatke, T.J. (2007). Do Children and Adults with Language Impairment Recognize Prosodic Cues? *Journal of Speech, Language, Hearing Disorders*, 50, 746-758.
- Holland, S.K., Vannest, J., Mecoli, M., Jacola, L.M., Tillema, J.M., Karunanayaka, P.R., V.J., S., Yuan, W.H., Plante, E. and Byars, A.W. (2007). Functional MRI of Language Lateralization During Development in Children". *International Journal of Audiology*, 46, 533-551
- Pankratz, M., Plante, E., Vance, R., Insalaco, D. (2007). The Diagnostic and Predictive Validity of The Renfrew Bus Story. *Language, Speech, & Hearing Services in Schools*, 38, 390 - 399
- Karunanayaka, P.R., Holland, S.K., Schmithorst, V.J., Solodkin, A., Chen, E.E., Szaflarski, J.P., Plante, E. (2007). Age -Related Connectivity Changes in fMRI Data from Children Listening to Stories. *NeuroImage*. 34, 349-60.
- Schmithorst, V.J., Holland, S.K., & Plante, E. (2007). Object Identification and Lexical/Semantic Access in Children: A Functional Magnetic Resonance Imaging Study of Word-Picture Matching. *Human Brain Mapping*. 28,1060-1074.
- Richardson, J., Harris, L., Plante, E., & Gerken, L.A. (2006). Subcategory Learning in Normal and Language Learning-Disabled Adults: How much information do they need? *Journal of Speech, Language, & Hearing Research*, 49, 1257-1266.

- Alt, M. & Plante, E. (2006) Factors That Influence Lexical and Semantic Fast-Mapping of Young Children with Specific Language Impairment. *Journal of Speech, Language, & Hearing Research, 49*, 941 - 954.
- Szaflarski, J.P., Schmithorst, V.J., Altaye, M., Byars, A.W., Rett, J., Plante, E., & Holland, S.K. (2006). fMRI study of longitudinal language development in children age 5-1. *Annals of Neurology, 59*, 796-807.
- Jacola, L.M. Schapiro, M.B, Schmithorst, V.J., Byars, A.W., Strawsburg, R.H., Szaflarski, J.P., Holland, S.K., Plante, E. (2006). Functional Magnetic Resonance Imaging Reveals Atypical Language Organization in Children Following Perinatal Left Middle Cerebral Artery Stroke. *Neuropediatrics. 37*, 46-52.
- Peña, E.D., Spaulding, T.J., & Plante, E. (2006). The Composition of Normative Groups and Diagnostic Decision Making: Shooting Ourselves in the Foot. *American Journal of Speech-Language Pathology, 15*, 247-254.
- Plante, E., Holland, S.K., & Schmithorst, V.J. (2006). Prosodic Processing by Children: An fMRI Study. *Brain and Language, 97*, 332-342.
- Plante, E., Schmithorst, V.J., Holland, S.K., & Byars, A.W. (2006). Sex Differences in the Activation of Language Cortex During Childhood. *Neuropsychologia, 44*, 1210-1221.
- Norrix, L.W., Plante, E., & Vance, R. (2006). Auditory-Visual Speech Integration by Adults with and without Language Learning Disabilities *Journal of Communication Disorders, 39*, 22-36.
- Spaulding, T.J., Plante, E., & Farinella, K.A. (2006). Do children with impaired language score at the low end of the normative distribution? *Language, Speech, & Hearing Services in Schools, 37*, 61-72.
- Plante, E., Ramage, A., Maglõire, J. (2006). Processing Narratives for Verbatim and Gist Information by Adults with Language Learning Disabilities: A Functional Neuroimaging Study. *Learning Disabilities Research and Practice, 21*, 61-76.
- Grunow, H., Spaulding, T.J., Gómez, R.L., & Plante, E. (2006). The Effects of Variation on Learning Word Order Rules by Adults with and without Language-based Learning Disabilities. *Journal of Communication Disorders, 39*, 158-170.
- Schmithorst, V.J., Holland, S.K., & Plante, E. (2006). Cognitive Modules Utilized for Narrative Comprehension in Children: A Functional Magnetic Resonance Imaging Study. *NeuroImage, 29*, 254-266.
- Ellis Weismer, S., Plante, E., Jones, M., Tomblin, J.B. (2005). A Functional Magnetic Resonance Imaging Investigation of Verbal Working Memory in Adolescents with Specific Language Impairment. *Journal of Speech-Language-Hearing Research, 48*, 405-425.
- Kraemer, R., Plante, E., & Green, G.E. (2005). Speech and Language Development of a Young Child Post-Decannulation. *Journal of Communication Disorders, 38*, 349-358.
- Perona, K., Plante, E., & Vance, R. (2005). Diagnostic Accuracy of the Structured Photographic Expressive Language Test: Third Edition (SPELT-3). *Language, Speech, & Hearing Services in Schools, 36*, 103-115.
- Van Petten, C., Plante, E., Davidson, P.S., Kuo, T., Bajuscak, L. & Glisky, E.L (2004). Memory and executive function in older adults: Relationships with temporal and prefrontal gray matter volumes. *Neuropsychologia, 42*, 1313-35.



- Pankratz, M., Morrison, A., & Plante, E. (2004). Difference in Standard Scores of Adults on the Peabody Picture Vocabulary Tests -R and -III. *Journal of Speech-Language-Hearing Research, 47*, 714-718
- Plante, E. (2004). Evidence Based Practice in Communication Sciences and Disorders. *Journal of Communication Disorders, 37*, 389-90.
- Alt, M., Creusere, M., & Plante, E., (2004). Semantic Features in Fast-Mapping: Performance of Preschoolers with Specific Language Impairment versus Preschoolers with Normal Language. *Journal of Speech-Language-Hearing Research, 47*, 714-20.
- Creusere, M., Alt, M., & Plante, E. (2004). Recognition of Vocal and Facial Cues to Affect in Language-Impaired and Normally-Developing Preschoolers. *Journal of Communication Disorders, 37*, 5-20.
- Mahendra, N., Plante, E., Magloire, J., Milman, L., & Trouard, T.P. (2003). fMRI Variability and Localization of Language in Bilinguals. *NeuroReport, 14*, 1225-8.
- Beeson, P.M., Rapcsak, S.Z., Plante, E. Chargualaf, J. Chung, A. Johnson, S.C., Trouard, T.P. (2003). The neural substrates of writing: a functional magnetic resonance imaging study. *Aphasiology, 17*, 647-665.
- Byars A.W., Holland, S.K., Strawsburg, R.H., Bommer, W., Dunn, R.S., Schmithorst, V.J. Plante, E., & Ball W.S. (2002). Practical Aspects of Conducting Large-Scale fMRI Studies in Children. *Journal of Child Neurology, 17*, 885-890.
- Fridriksson, J., Holland, A.L., Coull, B., Plante, E., Trouard, T., & Plante, E. (2002). Aphasia severity: association with cerebral perfusion and diffusion. *Aphasiology, 16*, 859-872.
- Plante, E., Creusere, M., & Sabin, C. (2002). Dissociating Sentential Prosody from Sentence Processing: Activation Interacts with Task Demands. *NeuroImage, 17*, 401-410.
- Plante, E., Gómez, R., & Gerken, L.A. (2002). Sensitivity to word order cues by normal and language/learning disabled adults. *Journal of Communication Disorders, 35*, 453-462.
- Holland, S.K., Plante, E., Weber, A.M., Strawsburg, R.H., Schmithorst, V.J., Ball, W.S. (2001). Functional MRI of Brain Activation Patterns Associated with Normal Language Development. *NeuroImage, 14*, 837-43.
- Plante, E. (2001). Neuroimaging in communication sciences and disorders: An introduction. *Journal of Communication Disorders, 34*, 441-443.
- Plante, E., Boliek, C., Mahendra, N., Story, J., & Glaspy, K. (2001). Right hemisphere contribution to developmental language disorder: Neuroanatomical and behavioral evidence. *Journal of Communication Disorders, 34*, 415-436.
- Plante, E. (2000) Plasticity in learning and recovery: An introduction. *Journal of Communication Disorders, 33*, 268-269.
- Plante, E., Van Petten, C. Senkfor, A.J. (2000). Electrophysiological dissociation between verbal and nonverbal semantic processing in learning disabled adults. *Neuropsychologia, 38*, 1669-1684.
- Gray, S., Plante, E., Vance, R., & Henrichsen, M. (1999). Performance of SLI and NL children on four tests of single-word vocabulary. *Language, Speech, & Hearing Services in Schools, 30*, 196-206.
- Van Petten, C., Rubin, S., Coulson, S., Plante, E., & Parks, M. (1999). Time course of word identification and semantic integration during spoken language. *Journal of Experimental Psychology: Learning, Memory, and Cognition 25*, 394-417.
- Plante, E., Uecker, A., Senkfor, A., & Gmitro, A. (1999). Slice sampling rate and slice

- orientation on volume estimation from MRI images. *Journal of Neuroscience Methods*, 85, 175-180.
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