



- Administer cognitive-linguistic assessments (both standardized and experimental measures) to both children with TBI and orthopedic controls as a part of the Neurobehavioral Outcome of Head Injury in Children study
- Participate in compiling research grants (pediatric brain injury, Sickle Cell Disease, Gulf War Syndrome)
- Serve as a Teaching Assistant for graduate-level courses in Research Methods (Statistics), Assessment & Intervention of Severe Language Impairments, and Normal Language Development
- Participate in independent study through UT Southwestern Medical School in functional brain imaging (fMRI and SPECT imaging), analyzing a large-scale SPECT study of Major Depressive Disorder (MDD)
- Operate Phillips 3T MR scanner during fMRI experiment studying working memory in children with brain injury and age-matched controls

May, 2002-  
August, 2003

The University of Texas at Dallas  
Center for BrainHealth (Dallas, TX)

*Position:* Clinical Research Fellow (CFY) in Speech-Language Pathology

*Primary Responsibilities:*

- Provided cognitive-linguistic assessments for children through the Crystal Charity Collaborative Program for Pediatric Brain Injuries and the Neurobehavioral Outcome of Head Injury in Children study
- Administered speech-language evaluations and short-term intervention for children through the Child Link Grant Program
- Coordinated meetings of the Brain Injury Collaborative Group of Greater Dallas
- Completed Clinical Fellowship Year (CFY) in Speech-Language Pathology through the American Speech-Language and Hearing Association (ASHA) in July, 2003

August, 2000-  
May, 2002

The University of Texas at Dallas  
School of Behavioral & Brain Sciences (Richardson, TX)

*Position:* Research Assistant

### **Publications:**

**Cook, L. G.**, Chapman, S. B., & Levin, H. S. (in press). Self-regulation abilities in children with severe traumatic brain injury: A preliminary investigation of naturalistic action. *NeuroRehabilitation*.

- Cook, L. G.**, Chapman, S. B., & Gamino, J. F. (2007). Impaired discourse gist in pediatric brain injury: Missing the forest for the trees. In K. Cain and J. Oakhill (Eds.), *Cognitive Bases of Children's Language Comprehension Difficulties: A Cognitive Perspective* (pp.218-243). New York: Guilford Publications, Inc.
- Chapman, S. B., Gamino, J. F., **Cook, L. G.**, Hanten, G., Li, X., & Levin, H. S. (2006). Impaired discourse gist and working memory in children after brain injury. *Brain and Language*, 97, 178-188.
- Wong, S. B. C., Chapman, S. B., **Cook, L. G.**, Anand, R., Gamino, J. F., & Devous, M. D. (2006). A SPECT Study of language and brain reorganization three years after pediatric brain injury. In A. R. Moller (Ed.), *Reprogramming the brain: Progress in Brain Research* (vol. 157, pp. 173-185). Amsterdam: Elsevier.
- Newsome, M.R., Scheibel, R.S., Hunter, J.V., Hanten, G., Chu, Z., Wilde, E.A., Steinberg, J.L., Lu, H., Vasquez, A.C., Li, X., Lin, X., **Cook, L.**, Wang, Z.J., & Levin, H.S. (submitted). Effects of traumatic brain injury on brain activation associated with trait attribution and perspective taking in adolescents.
- Gamino, J.F., Chapman, S.B., **Cook, L.G.**, & Hart, J. (submitted). Strategic learning in children with traumatic brain injury: Evidence for higher-order cognitive deficits. *Topics in Language Disorders*.
- Bigler, E.D., Wilde, E.A., Yallampalli, R., Chu, Z., Hanten, G., **Cook, L.**, Vasquez, A.C., Hunter, J.V., Levin, H.S. (submitted). Clinical vignette: The temporal stem in traumatic brain injury. *Brain Imaging and Behavior*.
- Chapman, S.B., Hart, J., Levin, H.S., **Cook, L.G.**, & Gamino, J.F. (submitted). *The Test of Strategic Learning*. San Antonio, TX: Pearson Assessment.
- Gamino, J., Chapman, S., Hart, J., **Cook, L.**, Vanegas, S., Tamm, L., Hughes, C., Chung, D., Pickering, J., & Emslie, G. (submitted). Strategic learning of gist versus detail information in children with Attention Deficit/Hyperactivity Disorder.
- Chapman, S. B., Sparks, G., **Cook, L. G.**, Gamino, J. F., Levin, H. S., & Song, J. (in process). Recovery of written discourse after pediatric traumatic brain injury.
- Gamino J. F., Chapman, S. B., Hart, J., **Cook, L. G.**, Vanegas, S. B., & Burkhalter, M. (in process). Selective learning of expository discourse in children with ADHD.

### **Abstracts & Presentations:**

- Cook, L.** (2008). *Brain Hope for Brain Injury: Maximizing Function after TBI*  
Invited lecture presentation at the Speech Pathologists' Association of Near Dallas (SPAND) in Dallas, TX (TSHA CEU-approved)

- Cook, L.** (2008). *Brain Hope for Brain Injury: Promising New Research*.  
Invited lecture presentation at the Baylor Institute for Rehabilitation Day Neuro Treatment Program in Dallas, TX
- Cook, L.** (2008). *Brain Hope for Brain Injury*.  
Invited lecture presentation at the Brain Injury Support Group of UTSW Zale-Lipshy Hospital in Dallas, TX
- Cook, L., & Gamino, J.** (2008). *Strategic Learning in ADHD*.  
Invited lecture presentation at the monthly meeting of the Professional Reading Outreach group (PROS) in Dallas, TX.
- Kuppachi, A., & **Cook, L.** (2007). *Cognitive Remediation in Brain Injury*.  
Invited lecture presentation at the Lifelines Brain Injury Support Group in Dallas, TX.
- Gamino, J. F., Chapman, S. B., **Cook, L. G.**, Burkhalter, M., & Vanegas, S. (2008). *Strategic learning in children with Attention Deficit Hyperactivity Disorder*.  
Poster presentation at the International Neuropsychological Society's Annual Meeting in Waikoloa, HI.
- Cook, L. G.**, Chapman, S. B., Gamino, J. F., Hanten, G., Li, X., & Levin, H. S. (2006). *Conveying the big picture: Discourse gist and memory processes in pediatric brain injury*.  
Poster presentation at the Cognitive Neuroscience Society's Annual Meeting in San Francisco, CA.
- Cook, L. G.**, & Chapman, S. B. (2005). *Self-regulation abilities in children with severe traumatic brain injury: A novel naturalistic approach*.  
Poster presentation at the Cognitive Neuroscience Society's Annual Meeting in New York, NY.
- Anand, R., **Cook, L. G.**, & Chapman, S. B. (2005). *Dissolution of discourse gist in early stages of Alzheimer's Disease*.  
Poster presentation at the International Neuropsychological Society's Annual Meeting in St. Louis, MO.
- Cook, L. G.**, & Chapman, S. B. (2005). *Self-regulation and planning in children with severe traumatic brain injury: A novel naturalistic approach*.  
Poster presentation at the International Neuropsychological Society's Annual Meeting in St. Louis, MO.
- Cook, L.**, & Bonifert, S. (2004). *Follow-Along Care for Children with Acquired Brain Injuries*.  
Lecture presentation at the Texas Speech-Language Hearing Association (TSHA) State Convention in San Antonio, TX.

Gamino, J., Chapman, S. B., **Cook, L.**, & Levin, H. (2003). *Macrolevel cognitive interpretation and memory processes in pediatric TBI*.  
Poster presentation at Society for Neuroscience Annual Meeting in New Orleans, LA.

**Cook, L.**, & Bonifert, S. (2003). *Long-Term Follow-Along Care for Children with Acquired Brain Injuries*.  
Lecture presentation at the Brain Injury Association of Texas State Conference in Austin, TX.

**Cook, L.**, Bonifert, S., & Benton, S. B. (2003). *Language, Social, and Cognitive Computer-Based Assessment for Children with Traumatic Brain Injury*.  
Invited lecture presentation sponsored by the Center for Computer Assistance to the Disabled (CCAD) in Dallas, TX.

### **Grant Involvement:**

*Neurobehavioral Outcome of Head Injury in Children*. Grant sponsored by the National Institute of Neurological Disorders and Stroke.  
The major goals of this project are to examine functional and psychiatric outcome of Child Head Injury (CHI) in children as compared to orthopedic controls, addressing the relationship among self-regulation, academic achievement, and psychosocial outcome deficits to the severity of CHI, imaging of focal brain lesions, and age differences. Principal Investigator: Dr. Harvey Levin, Baylor College of Medicine, Houston  
Role: Research Coordinator/Sub-Investigator (2007-present); Research Assistant (2000-2006);

Working Memory in Childhood Traumatic Brain Injury. Supplement grant sponsored by the National Institute of Neurological Disorders and Stroke.  
This project investigates working memory function in children with traumatic brain injury as compared to orthopedic controls by means of functional brain imaging (fMRI). Principal Investigator: Dr. Harvey Levin, Baylor College of Medicine, Houston  
Role: Research Coordinator/Sub-Investigator (2007-present);

Grant sponsored by The Moody Foundation.  
The major goals of this project were to provide vital pilot information regarding the discovery of growth abnormalities, including height and weight, indicative of hypopituitarism and/or risk of diabetes in children after traumatic brain injury.  
Role: Research Coordinator/Sub-Investigator (2006-2007)

*Strategic Learning in Children with Attention Deficit Disorder*. This project is a joint initiative among The Shelton School, the Center for BrainHealth of UT Dallas, and the Child and Adolescent Psychiatry Division of UT Southwestern. The major

goals are to help chart the course of future care of children with ADHD nationwide, inform future efforts to establish the earlier and more objective diagnosis of ADHD, and to develop more effective treatments for the disorder.

Role: Sub-Investigator/Research Clinician (2006-present)

*Long-Term Follow-Along Care for Children with Acquired Brain Injuries.* Grant sponsored by the Crystal Charity Foundation.

The goal of this project is to understand the effects of cognitive intervention for children with brain injury and to provide education and support for these children, identified through a community-wide registry.

Role: Sub-Investigator/Research Clinician (2002-2003, 2007-present)

**Additional Affiliations:**

- American Speech-Language and Hearing Association
- Brain Injury Collaborative Group of Greater Dallas
- Cognitive Neuroscience Society

**Awards and Certifications:**

- Recipient of the 2004 Donna R. Fox Scholarship of the Texas Speech-Language and Hearing Foundation
- Awarded Certificate of Clinical Competence in Speech-Language Pathology in 2003
- Received Texas State Board of Examiners License to practice Speech-Language Pathology in 2003
- Received CPR/AED certification for Healthcare Providers by the American Heart Association (expires 05/15/09)