

C.V.

A. DEMOGRAPHIC INFORMATION

Current Appointment

Patricia and Rodes Hart Professor
Peabody College of Education
Vanderbilt University, Nashville, TN 37203

Office Address and Contact Information

Business Address: Vanderbilt University,
One Magnolia Circle, Room 416C,
Nashville, TN 37203
Telephone: 615-875-1054
E-mail: Laurie.Cutting@Vanderbilt.edu

Active Appointments

September 2014 to present	Patricia and Rodes Hart Professor Departments of Special Education, Psychology and Human Development, Radiology, & Pediatrics Vanderbilt University
September 2009 to 2014	Patricia and Rodes Hart Associate Professor Departments of Special Education, Psychology and Human Development, Radiology, and Pediatrics Vanderbilt University
September 2009 to present	Training Faculty, Vanderbilt Brain Institute Vanderbilt University
September 2009 to present	Faculty Member Center for Integrative and Cognitive Neuroscience Vanderbilt University
September 2009 to present	Adjunct Associate Professor Department of Neurology Johns Hopkins School of Medicine
August 2010 to Present	Affiliated Faculty Vanderbilt University Institute of Imaging Sciences Vanderbilt University
August 2010 to Present	Investigator Faculty

Vanderbilt Kennedy Center
Vanderbilt University

September 2004 to Present

Senior Scientist
Haskins Laboratories, New Haven, CT

Education and Training

Undergraduate (initial work for B.A.)
January 1989 through May 1990

Literature
College of William & Mary
Williamsburg, VA

Bachelor's Degree (B.A. *cum laude*)
September 1991 through May 1993

Literature
American University
Washington, DC

Master's Degree (M.A.)
September 1993 through June 1995

Communication Sciences and Disorders
Northwestern University
Evanston, IL

Pre-doctoral Internship
June 1994 through August 1994

National Institute of Child Health
and Human Development
Human Learning and Behavior Branch
National Institutes of Health
Bethesda, MD

Pre-doctoral Internship
June 1994 through August 1994

Kennedy Krieger Institute
Developmental Cognitive Neurology
Baltimore, MD

Pre-doctoral Internship
June 1995 through September 1995

Yale University School of Medicine
Center for Learning and Attention
New Haven, CT

Student Teaching
September 1995 through December 1995

Skokie Public Schools
Skokie, IL

Doctoral Degree (Ph.D.)
September 1993 to July 1997

Communication Sciences and Disorders
Northwestern University
Evanston, IL

Postdoctoral Fellowship
August 1997 to July 1999

National Institutes of Health-Funded (NICHD)
Research Fellowship
Developmental Cognitive Neuroscience/Neurology
Kennedy Krieger Institute
Johns Hopkins School of Medicine

Baltimore, MD

Postdoctoral Fellowship
September 2002 to September 2003

American Association for the Advancement of
Science/Society of Research in Child Development
Executive Branch Policy Fellow
National Institute of Child Health and Human
Development
Bethesda, MD

Past Appointments

August 1999 through September 2000

Instructor
Department of Neurology
Johns Hopkins School of Medicine
Kennedy Krieger Institute
Developmental Cognitive Neurology
Baltimore, MD

September 2000 through March 2006

Assistant Professor
Department of Neurology
Johns Hopkins School of Medicine
Kennedy Krieger Institute
Developmental Cognitive Neurology
Baltimore, MD

April 2006 through September 2009

Associate Professor
Department of Neurology
Johns Hopkins School of Medicine
Kennedy Krieger Institute
Developmental Cognitive Neurology
Baltimore, MD

October 2006 through August 2009

Associate Professor (secondary appointment)
Department of Education
Johns Hopkins University
Baltimore, MD

May 2006 to 2011

Special Member of Graduate Faculty
University of Maryland
Department of Special Education
College of Education
College Park, MD

October 2012 to 2014

Affiliated Researcher
National Learning Sciences Institute
Arizona State University
Phoenix, AZ

B. PROFESSIONAL EXPERIENCE AND CLINICAL ACTIVITIES

September 1994 through June 1997	Clinic Supervisor Northwestern University Evanston, IL
March 1995 through June 1995	Psychoeducational Testing Multidisciplinary Pre-school Clinic Northwestern University Evanston, IL
June 1996 through August 1996	Teaching Instructor National High School Institute Northwestern University, Evanston, IL
September 1996 through July 1997	Educational Specialist / Consultant Evanston, IL
1999-2009	Developmental Cognitive Neurology Kennedy Krieger Institute Evaluation and treatment of children with Learning Disabilities and Attention Deficit Hyperactivity Disorder Baltimore, MD
September 2009 to Present	Director of the Reading Clinic Vanderbilt Kennedy Center, Nashville, TN
July 2010 to 2014	Evaluation Team Learning Assessment Center Vanderbilt Kennedy Center, Nashville, TN

C. TEACHING ACTIVITIES

Courses and Lectures

June 1996 through August 1996	Teaching Instructor National High School Institute Northwestern University, Evanston, IL
2000-2008	Lecturer Neuropsychology Seminar Series “ <i>Reading Disability</i> ” Kennedy Krieger Institute, Baltimore, MD
2001-2005	Lecturer Graduate School of Education “ <i>Reading and the Brain</i> ”

	Johns Hopkins University, Baltimore, MD
2001-2006	Lecturer LEND Core Course Curriculum <i>“Learning Disabilities”</i> Kennedy Krieger Institute, Baltimore, MD
2002-2004	Instructor Graduate School of Education <i>“Advanced Diagnosis and Assessment of Reading”</i> Johns Hopkins University, Baltimore, MD
Fall 2005	Lecturer Graduate School of Education <i>“History and Context of Learning Disabilities”</i> University of Maryland, College Park, MD
2010 to present	Training Faculty <i>Vanderbilt Neuroscience Training Program</i> Vanderbilt Brain Institute, Nashville, TN
2010-2015	Instructor <i>“Instructional Principles & Procedures in Reading for Students with Disabilities”</i> Vanderbilt University, Nashville, TN
Spring 2011	Instructor, <i>“Education and Neuroscience: Reading & the Brain”</i> Vanderbilt University, Nashville, TN
Spring 2012/2013	Instructor, Field Work in the Reading Clinic Vanderbilt University Kennedy Center Reading Clinic Nashville, TN
2014-2015	<i>“Advanced Instructional Principles & Procedures in Reading for Students with Disabilities”</i> Vanderbilt University, Nashville, TN

Mentoring

Undergraduate Students

1. **Madeline O’Donnell** (mentored while at Kennedy Krieger/Johns Hopkins)
2. **Tara Gogolinski** (mentored while at Kennedy Krieger/Johns Hopkins)
3. **Kelsey Drier** (Vanderbilt University)
4. **Lilia Schulenberg** (Vanderbilt University)

5. **Sarah Catalana** (Vanderbilt University)
6. **Sabrina Roberts** (Vanderbilt University)
7. **Megan Humburg** (Vanderbilt University)
8. **Xuewen Gong** (Vanderbilt University)
9. **Olivia Calandro** (Vanderbilt University)
10. **Amanda Rincon** (Hunter College; via BP-Endure NIH Grant #R25-NS080686)
11. **Elyse Williams** (Hunter College; via BP-Endure NIH Grant #R25-NS080686)
12. **Ashley Ealy** (Agnes Scott College; via BP-Endure NIH Grant #R25-NS080686)
13. **Annie Engelstad** (Vanderbilt University)
14. **Kelly Willner** (Vanderbilt University)

Master's Students

1. **James Street**, Vanderbilt University (Special Education, '12)
2. **Sabrina Benedict**, Vanderbilt University (Special Education, '12)
3. **Katherine O'Donnell**, Vanderbilt University (Special Education, '13)
4. **Marissa Zimmel**, Vanderbilt University (Special Education, '14)
5. **Catherine Behlen**, Vanderbilt University (Special Education, '14)
6. **Whitney Crum**, Vanderbilt University (Special Education, current)

Current Doctoral Students

1. **Stephen Bailey**, Vanderbilt University (Primary Advisor, Neuroscience)
2. **Katherine Swett**, Vanderbilt University (Primary Advisor, Neuroscience)
3. **Neena Saha**, Vanderbilt University (Primary Advisor, Special Education)
4. **Jonathan Scheff**, Vanderbilt University (Primary Advisor, Neuroscience)
5. **George Castle**, Vanderbilt University (doctoral committee, Speech & Hearing Sciences)
6. **Eric Wiley**, Vanderbilt University (doctoral committee, Neuroscience)

Past Master's Thesis Committees

1. **James Street**, Vanderbilt University (Major Advisor)
2. **Sabrina Benedict**, Vanderbilt University (Major Advisor)
3. **Esther Lindstrom**, Vanderbilt University (Second Reader)
4. **Katherine O'Donnell**, Vanderbilt University (Major Advisor)

Past Ph.D. Thesis Committees

1. **Dilip David**, Loyola University, Psychology –Reading Disabilities in Abused Children. Committee Member. Ph.D. conferred 2003. Current: Practicing Psychologist.
2. **Nicky Dietz**, Georgetown School of Medicine, Cognitive Neuroscience – Phonological Processing Studied with Functional Magnetic Resonance Imaging. Committee Member. Ph.D. conferred 2004. Current: Practicing physician.
3. **Qiuyun Fan**, Vanderbilt University, Biomedical Engineering-Diffusion MR Studies of Improved Assessment of Reading Networks in the Brain Using Diffusion MRI. Co-advisor with Dr. Adam Anderson. Ph.D. conferred 2013. Current: Post-doctoral fellow, M.I.T. with Larry Wald, Ph.D.

4. **Amy Clements**, Johns Hopkins University, Psychological and Brain Sciences- Characterizing visual-spatial processing within a dorsal/ventral framework. Co-advisor with Dr. Amy Shelton. Ph.D. conferred 2013. Current: Post-doctoral fellow, Johns Hopkins University, with Amy Shelton, Ph.D.
5. **Mary Brindle**, Vanderbilt University, Special Education – Examining Relationships Among Teachers’ Preparation, Efficacy, and Writing Practices. Ph.D. conferred 2013. Current: Assistant Professor, University of New Mexico.
6. **Laura Barquero**, Vanderbilt University, Special Education - Predicting Responsiveness to Reading Intervention with fMRI. Current: Research Associate, Peabody College, Vanderbilt University.

Postdoctoral Students and Junior Faculty:

1. **Carrie Cole, Ph.D.**, Johns Hopkins School of Medicine, Post-doctoral Fellow
Role: Primary Research Mentor (Summer 2008). Current: Private practice
2. **Raj Stewart, Ph.D.**, Johns Hopkins School of Medicine, Post-doctoral Fellow
Role: Primary Mentor (2009-2011) on Post-Doctoral Diversity Supplement (**\$192, 866**) to NIH P50 HD052121-S1, Project I, “*Reading Comprehension: Sources of Difficulty and Neurocognitive Correlates*” Current: Senior Clinical Writer, ECRI Institute
3. **Dwayne Dove, M.D., Ph.D.**, Post-doctoral Fellow and Assistant Professor of Pediatrics, Vanderbilt University School of Medicine. Role: Primary Research Mentor on Institutional Training Award (2010-2012) – NIH T32HD060554 (**\$104,768**), “*Conducting Child Health Research in Vulnerable Populations*” Current: Private practice.
4. **Nicole Davis, Ph.D.**, Post-doctoral Fellow and Assistant Professor of Radiology, Vanderbilt University School of Medicine. Role: Primary Mentor (2009-2013). Current: Assistant Professor of Radiology, Vanderbilt University School of Medicine.
5. **Sheryl Rimrodt, M.D.**, currently Assistant Professor in Vanderbilt University Department of Pediatrics with secondary appointment in Peabody School of Education
 - a. Role: Primary Mentor on Faculty Diversity Supplement (**\$601,356**) to NIH R01-HD044073-S1 “*Cognitive and Neural Processes in Reading Comprehension*” (2005-2009)
 - b. Role: Primary Mentor on Mentored Career Development Award - NIH K08-HD060850-01A1 (**\$629,100**) “*Dyslexia in Post-Secondary Students: Imaging of Neural Circuits and Learning*” (2010-present)
6. **Brooke Soden, Ph.D.**, currently Assistant Professor of Otolaryngology, Vanderbilt University
Role: Mentor (2014-2016)

Fulbright Scholar:

Dr. Xiangzhi Meng, Peking University, 2012-2013

D. RESEARCH ACTIVITIES

Active Intramural and Extramural Sponsorship

1) R01 HD044073 (PI: **L. Cutting, Ph.D.**) Period: 08/01/15 – 07/31/20
NIH / NICHD **Amount: \$2,975,449**

“Cognitive and Neural Processes in Reading Comprehension”

The purpose of this grant is to determine the cognitive and neural correlates of children who have specific deficits in reading comprehension.

2) R01HD067254 (PI: **L. Cutting, Ph.D.**) Period: 09/28/10 – 07/31/16 (NCE)
NIH / NICHD **Amount: \$3,091,495**

“Predicting Late-Emerging RD: Neurobiological and Cognitive Factors”

The purpose of this research grant is to gain a deeper understanding of the cognitive and neurobiological characteristics as well as prediction of late emerging reading disabilities.

4) Hobbs Discovery Grant (PI: **L. Cutting, Ph.D.**) Period: 1/1/14-12/31/16
Amount: \$30,000

“Using Novel MR Techniques to Provide Further Biological Specificity of RD”

5) U.S. Department of Education (PI: Hasselbring & Rose) Period: 1/1/12-12/31/16
Office of Special Education and Rehabilitation. **Amount: ~\$10,000,000**

Center on the Use of Emerging Technologies to Improve Literacy Achievement for Students with Disabilities in Middle School.

The purpose of this project is to use technology to improve the literacy skills of students in middle school who are struggling with reading.

Role: Co-Investigator

6) Learning Disabilities Research Hub (PI: S. Petrill) Period: 10/1/12 – 9/30/16
NIH / NICHD - R24HD075460 **Amount: ~\$3,040,000**

Neurobiological Underpinnings of Math and Reading Comorbidity: A Twin Study

The goal of this project is to conduct a systematic examination of the gene-brain-behavior relationships, using neuroimaging and genetic analyses, in representative samples of same-sex twin pairs.

Role: Co-Investigator

7) P01 HD 01994 Rueckl/Pugh (PI) Period: 05/01/12 - 04/30/17
NIH / NICHD

The Nature and Acquisition of the Speech Code and Reading

The goal of this project is to better understand the reading process by 1) examining the relation of reading to spoken language and 2) examining the relation between cognitive performance and brain organization.

Role: Consultant

8) U54 HD083211 (PI: Dykens) Period: 09/1/15 – 8/31/20

NIH/NICHHD

Amount: ~\$6,500,000

Eunice Kennedy Shriver Intellectual and Developmental Disability Research Center

This Center provides cutting-edge research services to Vanderbilt Kennedy Center investigators that allows them to make new discoveries about the causes of developmental disabilities, and how to best intervene to foster successful outcomes in children and adults.

Role: Co-Investigator/Translational Neuroimaging Core Director

9) 1558499 (PI: C. Wendelken)

Period: 03/01/16 – 02/28/201

NSF

Amount: \$22,042

Collaborative Research: The Role of Brain Connectivity in Reasoning Development

The purpose of this grant is to examine various measures of brain connectivity in relation to the development of reasoning in children.

Role: Co-Investigator

Pending Support

F31 HD087050-01 (P.I: S. Bailey)

Period: 07/01/16 – 08/31/19

NIH/NICHHD

Amount: \$28,217

Connecting Brain Networks to the Cognitive Components of Reading Comprehension

The purpose of this project is to examine the resting state networks and structural connectivity networks in children grades 2-4 as related to reading and other cognitive abilities.

Role: Mentor

R21 HD087088-01 (PI: L. Cutting, Ph.D.)

Period: 07/01/16 – 08/31/18

NIH/NICHHD

Amount: \$177,750

The Neurocognition of Procedural and Declarative Memory in Dyslexia and S-RCD

The purpose of this project is to examine procedural and declarative memory processes in two types of reading disability, and determine how each type of memory is related to decoding versus reading comprehension.

F31 HD087074-01 (PI: K. Swett)

Period: 07/01/16 – 08/31/19

NIH/NICHHD

Amount: \$28,217

Neural Profiles of Young Readers: an fMRI and EEG Study of Sentence Comprehension

The purpose of this project is to examine various levels of semantic processing as related to reading development.

Role: Mentor

R01HD0894 (PI: L. Cutting, Ph.D.)

Period: 07/01/2016 – 6/30/2021

NIH/NICHHD

Amount: \$497,524

Neurobiology and Treatment of Reading Disability in NF1

The goal in this next phase of our research is to capitalize on current findings to elucidate mechanisms of and best treatments for the cognitive deficits in NF1.

Completed Extramural Support (listed from oldest to most recent):

1) P50 NS3359 (PI: M. Denckla, M.D.)

Period: 08/01/99 - 06/30/01

National Institutes of Health (NINDS)

“Neurodevelopmental Pathways to Learning Disabilities”

Role: Co-investigator

2) Institutional Grant **(PI: L. Cutting, Ph.D.)** Period: 07/01/02 - 06/30/04
General Clinical Research Center, Mental Wellness Foundation and National Institutes of Health, National Center for Research Resources, through John Hopkins
“Language and EF Factors in Reading Comprehension in RD.” The purpose of this study was to examine the neuropsychological profiles (oral language and executive function) as well as neurobiological profiles (using fMRI) of children with various reading profiles.

3) Foundation Grant **(PI: L. Cutting, Ph.D.)** Period: 05/01/03 - 04/30/04
Learning Disabilities Association of America (ACLD), *“Validity of Double-Deficit Subtypes: A Pilot Study”*

4) NF 990044 **(PI: L. Cutting, Ph.D.)** Period: 10/01/00 - 02/28/05
D.O.D Neurofibromatosis Research Program, US Army Medical Research Material Command
“Magnetic Resonance Spectroscopy Imaging and Functional Magnetic Resonance Imaging of Neurofibromatosis Type 1: In Vivo Pathophysiology, Brain-Behavior Relationships, and Reading Disabilities” The purpose of this four year grant was to investigate the cognitive and neurobiological profile of children with Neurofibromatosis Type 1 as compared to children with Reading Disabilities.

5) DAMD 17-01-1-0713 **(PI: P. Barker, Ph.D.)** Period: 07/01/01 - 06/30/04
D.O.D Neurofibromatosis Research Program, US Army Medical Research Material Command
“Proton MR Spectroscopic Imaging in NF1”
The purpose of this four year grant was to examine absolute metabolic concentrations in children and adolescents with NF-1 in various brain regions (e.g., thalamus, cerebellum, caudate).
Role: Co-Investigator

6) Foundation Grant **(PI: L. Cutting, Ph.D.)** Period: 08/01/05 – 07/31/06
Learning Disabilities Association of America (ACLD), *“Intervention for Children with Specific Reading Comprehension Deficits.”*

7) Department of Education Grant (PI: J. Sabatini, Ph.D.) Period: 5/1/2004 – 4/30/07
Institute for Educational Sciences
“Developing Reading Comprehension Assessments Targeting Struggling Readers”
Role: Consultant

8) Foundation Grant **(PI: L. Cutting, Ph.D.)** Period: 06/21/07 – 06/20/09
The Foundation for Maryland’s Future & the Commonwealth Foundation
“Neurobiological Sex Differences in Cognition: Applications to Learning and Education”
The purpose of this pilot study is to investigate sex differences in cognition and how those differences may relate to various educational outcomes.

9) Foundation Grant (PI: L. Cutting, Ph.D.) Period: 06/16/08 – 05/15/09
The Foundation for Maryland's Future & The Commonwealth Foundation
"Development of Executive Function Interventions"
The purpose of this pilot study is to develop interventions for executive function disorders.

10) Foundation Grant (PI: L. Cutting, Ph.D.) Period: 01/01/09 – 12/31/09
Van Pelt Foundation
"Anatomical Correlates of Subtypes of Reading Disability"
The purpose of this study is to investigate the structural white and gray matter volumes of various subtypes of reading disabilities.

11) Dana Foundation (PI: W. Kaufmann, M.D.)
"White matter and connectivity abnormalities in learning disabilities: evaluation by diffusion tensor imaging"
Role: Co-investigator

12) 5 R01 HD046130 (PI: H. Scarborough) Period: 10/01/03 – 07/31/09
NIH / NICHD
"Adolescent Reading Programs: Behavioral and Neural Effects"
The purpose of this grant is to determine the effective treatment of reading disabilities in adolescents, using both behavioral and neuroimaging methodologies.
Role: Co-Investigator

13) U.S. Department of Education (PI: D. Speece/now K. Ritchey)
"Preparation of Leadership Personnel in Learning Disabilities (LD): Integrating Language, Literacy, and Cognitive Neuroscience"
The purpose of this grant is to train new scholars in the intersection of language, literacy, and cognitive neuroscience.
Role: Consultant

14) H32FO40001 (PI: C. Calahan) Period: 10/01/04 – 09/30/09
U.S. Dept. of Education
"Developing Accessible and Valid Reading Assessments: A Research-Based Solution"
The purpose of this grant is to develop valid and accessible reading assessments for students with learning disabilities.
Role: Co-Investigator

15) T32 MH064913 (PI: M.T. Wallace) Period: 07/01/06 – 06/30/11
NIH / NIMH
"Training in Fundamental Neuroscience"
The purpose of this grant is to support the training of Ph.D. students in the basic and cognitive neurosciences.
Role: Training Faculty

- 16) P50 HD052121 (Center PI: M. Denckla; **Project 1 PI and Associate Director of Center: L. Cutting, Ph.D.**) Period: 09/29/06 – 07/31/12
 NIH / NICHD Amount: \$8,384,163
“Reading Disability in Grades 3-8: Neurocognitive Factors”
 RFA: RFA-HD-04-027 LDRC: Multidisciplinary Research Centers
 The purpose of this program project focuses on trying to understand the behavioral and neurobiological correlates, as well as the prevalence of different types of reading disabilities in older children.
- 17) R01 NS049096 (PI: **L. Cutting, Ph.D.**) Period: 04/01/06 – 10/31/12
 NIH / NINDS Amount: **\$2,025,780**
“Neurobiology and Treatment of Reading Disability in NF-1”
 The purpose of this research grant is to gain a deeper understanding of the characteristics and treatment of reading disabilities in children with NF1.
- 18) R01 HD38075 (PI: S. Petrill) Period: 11/01/06 – 03/31/12 (n.c.e.)
 NIH / NICHD Amount: **\$2,585,756**
Environmental Influences on Early Reading: A Twin Study
 The goal of this project is to conduct a systematic developmental genetic examination of reading comprehension using a representative sample of 350 same-sex twin pairs.
Role: Co-Investigator (while at Kennedy Krieger Institute)/Consultant (Vanderbilt)
- 19) Corporate Grant (PI: **L. Cutting, Ph.D.**) Period: 8/12/11 – 12/31/12
 Dollar General Literacy Foundation Amount: **\$75,000**
“Vanderbilt Kennedy Center Reading Clinic: Support for Students, Teachers and a New Intervention”
 The purpose of this grant is to support the students, teachers, and a new intervention at the Vanderbilt Kennedy Center Reading Clinic.
- 20) VR1935 Institutional Grant (PI: **L. Cutting, Ph.D.**) Period: 8/30/11-5/28/13
 CTSA RR024975 (PI: Bernard); VUIIS matching funds Amount: **\$17,500**
“Neurobiology and Treatment of Reading Disability in NF-1”
 The purpose of this research grant was collect cross scanner comparison data, in order to be able to maximally interpret the findings of R01 NS049096.
- 21) VR1949 Institutional Grant (PI: **L. Cutting, Ph.D.**) Period: 7/11/11-1/09/14
 CTSA RR024975 (PI: Bernard); VUIIS matching funds Amount: **\$17,500**
“Neural Correlates of Passage Comprehension”
 The purpose of this study was to determine the neural correlates of passage comprehension in adults.
- 22) R01 HD044073 (PI: **L. Cutting, Ph.D.**) Period: 09/01/09 – 07/31/15
 NIH / NICHD Amount: **\$2,779,785**
“Cognitive and Neural Processes in Reading Comprehension”
 The purpose of this grant was to determine the cognitive and neural correlates of children who have specific deficits in reading comprehension.

23) P30HD015052 (PI: Dykens)

05/1/13 – 6/30/15

NIH/NICHHD

Eunice Kennedy Shriver Intellectual and Developmental Disability Research Center

This Center provides cutting-edge research services to Vanderbilt Kennedy Center investigators that allows them to make new discoveries about the causes of developmental disabilities, and how to best intervene to foster successful outcomes in children and adults.

Role: Co-Investigator/Neuroimaging Core Director

Journal Articles (listed most recent to earliest; * indicates a student or mentee).

1. Aboud, K. *, Bailey, S. *, Petrill, S., & **Cutting, L.E.** (in press). Comprehending text versus reading words in young readers with varying reading ability: Distinct patterns of functional connectivity from common processing hubs. *Developmental Science*.
2. Ding, Z., Xu, R., Bailey, S.K. *, Wu, T., Morgan, V.L., **Cutting, L.E.**, Anderson, A.W., & Gore, J.C. (2016). Visualizing Functional Pathways in the Human Brain Using Correlation Tensors and Magnetic Resonance Imaging. *Magnetic Resonance Imaging*, 34, 8-17. PMCID: PMC4714593.
3. Price, G.R., Wilkey, E.D. *, Yeo, D.J., & **Cutting, L.E.** (in press). The Relation between 1st Grade Grey Matter Volume and 2nd Grade Math Competence. *Neuroimage*, 1, 232-7. PMCID: PMC4651751.
4. Bailey, S. *, Aboud, K. *, Hoeft, F., & **Cutting, L.E.** (in press). Anomalous Gray Matter Patterns in Specific Reading Comprehension Deficits are Independent of Dyslexia. *Annals of Dyslexia*. PMCID in progress.
5. Barquero, L. *, Sefcik, A., **Cutting, L.E.**, & Rimrodt, S. * (in press). Teaching Reading to Children with Neurofibromatosis Type 1: A Clinical Trial with Random Assignment to Different Approaches. *Developmental Medicine & Child Neurology*, 57, 1150-8. PMCID: PMC4618264.
6. Soden, B. *, Christopher, M. E., Hulslander, J., Olson, R. K., **Cutting, L.**, Keenan, J. M., Thompson, L. A., Wadsworth, S. J., Willcutt, E. G., & Petrill, S. A. (2015). Longitudinal stability in reading comprehension is largely heritable from grades 1 to 6. *PLOSOne*. DOI: 10.1371/journal.pone.0113807.
7. Fan, Q. *, Anderson, A., Davis, N. *, & **Cutting, L.E.** (2014). Structural connectivity patterns associated with the putative visual word form area and children's reading ability. *Brain Research*, 1586, 118-29. PMCID: PMC4190016.
8. Fan, Q. *, Davis, N. *, Anderson, A., & **Cutting, L.E.** (2014). Thalamo-Cortical Connectivity: What Can Diffusion Tractography Tell Us about Reading Difficulties in Children? *Brain Connectivity*, 6, 428-39. PMCID: PMC4120642.

9. Miller, A.C., Davis, N.*, Gilbert, J.K., Cho, S.J., Toste, J.R., Street, J., & **Cutting, L.E.** (2014). Novel approaches to examine passage, student, and question effects on reading comprehension. *Learning Disabilities Research and Practice*, 29, 25-36.
10. Swett, K. *, Miller, A.C., Burns, S., Hoefft, F., Davis, N. *, Petrill, S.A., **Cutting, L.E.** (2013). Comprehending expository texts: The dynamic neurobiological correlates of building a coherent text representation. *Frontiers in Human Neuroscience*, 1-14. PMID: PMC3860184.
11. Wang Z, Cheng-Lai A, Song Y, Cutting, L, Jiang Y, Lin O, Meng X, Zhou X. (2014) A perceptual learning deficit in chinese developmental dyslexia as revealed by visual texture discrimination training. *Dyslexia*, 20, 280-96.
12. Logan, J. A. R., Hart, S. A., **Cutting, L.**, Deater-Deckard, K., Schatschneider, C., Thompson, L. A., & Petrill, S. A. (2013). Genetic and Environmental Etiology of Latent Quadratic Growth in Reading Skills. *Child Development*, 84, 2131-44. PMID: PMC3773299.
13. Barquero, L.A.*, Davis, N.*, & **Cutting, L.E.** (2014). Neuroimaging of Reading Intervention: A Systematic Review and Activation Likelihood Estimate Meta-Analysis. *PLOS ONE*, DOI: 10.1371/journal.pone.0083668.
14. Lauzon, C.B., Asman, A.J., Esparza, M.L., Burns, S.S., Fan, Q., Gao, Y., Anderson, A.W., Davis, N.*, **Cutting, L.E.**, & Landman, B.A. (2013). Simultaneous Analysis and Quality Assurance for Diffusion Tensor Imaging, *PloS one* 8 (4), e61737.
15. **Cutting, L.E.**, Clements-Stephens, A*, Pugh, K.R., Burns, S., Cao, A., Pekar J., Davis, N.*, & Rimrodt, S.L.* (2013). Not All Reading Disabilities are Dyslexia: Distinct Neurobiology of Specific Comprehension Deficits. *Brain Connectivity*, 3, 199-213.
16. Scarborough, H. S., Sabatini, J. P., Shore, J., **Cutting, L. E.**, Pugh, K. R., & Katz, L. (2013). Meaningful gains by adult literacy learners. *Reading and Writing: An Interdisciplinary Journal*, 26, 593-613.
17. Acosta, M. T., Bearden, C. E., Castellanos, X. F., **Cutting, L.**, Elgersma, Y., Gioia, G., Gutmann, D. H., Lee, Y. S., Legius, E., Muenke, M., North, K., Parada, L. F., Ratner, N., Hunter-Schaedle, K., Silva, A.J. (2012). The Learning Disabilities Network (LeadNet): Using neurofibromatosis type 1 (NF1) as a paradigm for translational research. *American Journal of Medical Genetics*, 158A, 9, 2225–2232.
18. Eason, S. H.*, Sabatini, J. P., Goldberg, L. F.*, Bruce, K. M., **Cutting, L. E.** (2013). Examining the relationship between word reading efficiency and oral reading rate in predicting comprehension among different types of readers. *Scientific Studies of Reading*, 17, 199-223.

19. Wang, Z., Deater-Deckard, K., **Cutting, L. E.**, Thompson, L., Petrill, S. A. (2012). Working memory and parent-rated components of attention in middle childhood: A behavioral genetic study. *Behavioral Genetics*, 42, 199-208.
20. Eason, S. H.*, Goldberg, L. F.*, Young, K. M.*, Geist, M. C.*, **Cutting, L. E.** (2012). Reader-text interactions: How differential text and question types influence cognitive skills needed for reading comprehension. *Journal of Educational Psychology*, 104, 515-528.
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Books

1. Miller, B., **Cutting, L.E.**, & McCardle, P. (eds). *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension*. (2013). Baltimore: Paul Brookes Publishing.

Editorials, Reviews

1. **Cutting, L.E.** (2014). What is in a Word? [Book Review] *Science*, 345, 1252.
2. **Cutting, L.E.** (2001). Review of Reading and Attention Disorders [Book Review]. *Annals of Neurology*, 49, 279.

Book Chapters (listed most recent to earliest)

1. Barquero, L* & Cutting, L.E. (in press). Neurobiology and Reading Interventions: From Predicting Outcomes to Tracking Changes. *Perspectives on Language and Literacy*.
2. Scheff, J., Saha, N*, Tarsha, M* & Cutting, L.E. (in press). Neurobiological Correlates of Reading Comprehension. *Perspectives on Language and Literacy*.
3. Aboud, K; Bailey, SK; Sefcik, A*; & Cutting, LE. (in press). Neurobiological Correlates of Reading Disorders. In Baving, E., & Naigles, L. (eds). *The Cambridge Handbook of Child Language*, 2nd Edition. Cambridge University Press.
4. Bailey, SK*; Swett, K*; & **Cutting, LE** (in press). Neurocognitive Basis of Sentence Comprehension in Dyslexia. In Eden, G. (ed). *Handbook on the Cognitive Neuroscience of Developmental Dyslexia*. Wiley Publishers.
5. **Cutting, LE**; Bailey, SK*; Swett, KE*; & Barquero, L*. (2015). Neurobiological Basis of Word Recognition and Reading Comprehension: Distinctions, Overlaps, and Implications for Instruction and Intervention. In McCardle, P. and Connor C.M. (eds). *Reading Intervention: From Research to Practice to Research* (pp.73-84). Baltimore: Brookes

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6. **Cutting, L.E.** & Miller, B. Unraveling the Behavioral, Neurobiological, & Genetic Components of Reading Comprehension - An Introduction (2013). In Miller, B., Cutting, L., & McCardle, P. (eds). *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension*. Baltimore: Paul Brookes Publishing.
7. **Cutting, L.E.**, Benedict, S.*, Broadwater, A.*, Burns, S., & Fan, Q.* (2013). From words to text: Neurobiology and behavioral bases of reading comprehension. In Miller, B., Cutting, L., & McCardle, P. (eds). *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension*. Baltimore: Paul Brookes Publishing.
8. Miller, B., **Cutting, L.E.**, & McCardle, P. Future Directions in Reading Comprehension Research (2013). In Miller, B., Cutting, L., & McCardle, P. (eds). *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension*. Baltimore: Paul Brookes Publishing.
9. Petrill, S. & **Cutting, L.E.**** Relating reading comprehension to language and broader reading skills: A behavior genetics approach (2013). In Miller, B., Cutting, L., & McCardle, P. (eds). *Unraveling the Behavioral, Neurobiological, and Genetic Components of Reading Comprehension*. Baltimore: Paul Brookes Publishing.
**note: due to publishing error, my name was inadvertently omitted from the paper version of this book; however, this error is corrected in the electronic version of the book.
10. Barquero, L.A., Wilson, L.M., Benedict, S.L., Lindstrom, E.R., Harris, H.C., & **Cutting, L.E.** (2012). Learning disorders. In J. Hunger and E.P. Sparrow (Eds). *Executive Function and Dysfunction: Identification, Assessment, and Treatment*. New York: Cambridge University Press.
11. **Cutting, L.E.** & Scarborough, H.S. (2012). Multiple bases for comprehension difficulties. In J. Sabatini and E. Albro (Eds). *Assessing Reading in the 21st Century: Aligning and applying advances in the reading and measurement sciences*. (pp.263-86). Lanham, MD: Rowman & Littlefield.
12. Denckla, M.B., Barquero, L.A.*, Benedict, S.L.*, Lindstrom, E.R.*, Wilson, L.M.*, & **Cutting, L.E.** (2011). Attention Deficit Hyperactivity Disorder, executive function, and reading comprehension: Different but related. In L. Swanson, K. Harris, and S. Graham (Eds.) *Handbook of Learning Disabilities*. (pp. 125-39). New York: Guilford Publications.
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16. Rimrodt, S.L. & **Cutting, L.E.** (2005) Neurobiology of Dyslexia. In S Gilman (Ed.) *Neurobiology of Disease*. (pp. 593-9). Philadelphia, PA: Elsevier Academic Press.
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18. Lyon, G.R. & **Cutting, L.E.** (1998). Treatment interventions for individuals with learning disabilities. In Mash, E.J. & Barkley, R.A. (eds.) *Treatment of Childhood Disorders*. (pp. 468-98). New York: Guilford Press.

Selected Abstracts (since 2005; listed most recent to earliest).

1. Bailey, S. & Cutting, L.E. (2016, April). Individual differences in the community structure of the first grade brain. Poster abstract accepted at the *Cognitive Neuroscience Society Annual Meeting*.
2. Aboud, K.S., Huo, Y., Kang, H., Ealey, A., Landman, B.A. & Cutting, L.E. (2016, April). *Lifespan characterization of inter-network structural covariance: a big-data cross-sectional MRI study*. Poster to be presented at annual meeting of the Cognitive Neuroscience Society, New York, NY.
3. Barquero, L.A., Aboud, K.S., Hudson, N.S., & **Cutting, L.E.** (2015, October) Neurobiological predictions of reading intervention response: an fMRI study of children with reading difficulties. Poster presented at *Society for the Neurobiology of Language*, Chicago, IL.
4. Huo, Y., Swett, K., Resnick, S.M., **Cutting, L.E.**, & Landman, B.A. (2015, October). Data-driven Probabilistic Atlases Capture Whole-brain Individual Variation. In MICCAI 2015 Workshop of Management and Processing of Images for Population Imaging. Munich, Germany.
5. Bailey, SK., **Cutting, LE.** & Ding, Z. (2015, October). From Tract Structure to Tract Function: Investigating BOLD Signal in White Matter. Poster presented at the *Society for*

Neurobiology of Language annual meeting.

6. Swett, K.E., Huo, Y., Williams, E.; Resnick, S., Landman, B.A., & **Cutting, L.E.** (2015, April). Socioeconomic status predicts prefrontal cortex volume across the lifespan: a big data, cross-sectional MRI analysis. Poster presented at the *Cognitive Neuroscience Society* annual meeting, San Francisco, CA.
7. Bailey, S.K., **Cutting, LE.**, & Rimrodt, S.L. (2015, March). White Matter Tracts in Young Adult Readers: Evidence for a Compensatory Pathway. Poster presented at the *Cognitive Neuroscience Society* annual meeting.
8. Swett, K.E., Bailey, S.K., Barquero, L., Burns, S.S & **Cutting, L.E.** (2014, November) Neural Correlates of Narrative versus Expository Comprehension in Children: an fMRI Study of Text Genre and Comprehension Modality. Poster presented at the *Society for Neuroscience* annual meeting.
9. Barquero, L.A., Swett K.E., Bailey S.K., Burns S. & **Cutting L.E.** (2014, November) Functional connectivity of the visual cortex in children with neurofibromatosis type 1 and reading disability during single word reading. Poster presented at the *Society for Neuroscience* annual meeting.
10. Price, G.R., Wilkey, E.D., & **Cutting, L.E.** (November, 2014). Neuroanatomical predictors of third grade math competence. Poster presented at the International Mind, Brain, Education Society, Fort Worth, Texas.
11. Barquero, L. A., Rimrodt, S. L., & **Cutting, L. E.** (July, 2014). Reading and neurobiological change in children with neurofibromatosis type 1 and reading difficulties following intensive, short-term intervention. Poster presented at *Society for the Scientific Study of Reading*, Santa Fe, New Mexico.
12. Farris, E.A., Pugh, K., Gabrieli, J., **Cutting, L.E.**, Myers, C., Gimenez, P., Drahos, M., Hendren, R. & Hoeft, F. (2014, May). Retrospective multisite analysis of the relationship between single word reading and regional brain volumes. Poster presented at the *American Psychological Society* 26th annual convention.
13. Bailey, S., Hoeft, F., Swett, K., Rowland, H., **Cutting, L.E.** (2014, May). Predicting Improvement of Reading, Vocabulary and Executive Function with Diffusion Tensor Imaging. Poster presented at the *American Psychological Society* 26th annual convention.
14. **Cutting, L.E.**, Swett, K., Bailey, S, & Burns, S (July, 2014). Neural processes associated with text comprehension in adults and children. Paper presented at the *Scientific Studies of Reading Conference*, Albuquerque, New Mexico.
15. Rowland, H., Meng, & **Cutting, L.E.** (March, 2014). Visual or phonological: Distinct cognitive mechanisms underlie calculation in children with reading disabilities and

Neurofibromatosis. Poster presented at the *British Dyslexia Association International Conference*.

16. Swett, K., Hoeft, F., Bailey, S., Burns, S. & **Cutting, L.E.** (April, 2014). Structural Neurobiological Differences in Children with Dyslexia and Specific Reading Comprehension Deficits. Poster presented at *Cognitive Neuroscience Society*.
17. Bailey, S., Swett, K., Burns, S., Sefcik, A., Barquero, L., **Cutting, L.E.** (April, 2014). Expository Text Comprehension and Executive Function: an fMRI study of adolescent reading. Poster presented at *Cognitive Neuroscience Society*.
18. Soden, B., Petrill, S.A., Thompson, L.A., Willcutt, E., & Cutting, L.E. (September, 2013). Genetically--sensitive approaches to neurobiology of learning Disabilities. *Society for Research on Educational Effectiveness*.
19. Farris, E.A., Uchikoshi, Y., **Cutting, L.E.**, & Hoeft, F., (2013, July). Brain basis of dyslexia with resilient reading comprehension. Poster presented at the *Society for the Scientific Study of Reading Annual meeting*.
20. **Cutting, L.E.**, Miller, A.C., Gilbert, J.K., Davis, N., Compton, D., & Scarborough, H.S. (2013, July). Examining Reader-Text Interactions for Expository Texts Using Item Response Crossed Random-Effects Models. Poster presented at the *Society for Text and Discourse Annual meeting*.
21. Miller, A.C., Davis, N., Burns, S. & **Cutting, L.E.** (2013, July). The neurobiological correlates of processing central and peripheral ideas in connected text. Poster presented at the *Society for Text and Discourse Annual meeting*.
22. Davis, N., Barquero, L., Fan, Q., Burns, S.S., Dove, D., Rimrodt, S., **Cutting, L.E.** (June, 2013). Neurobiological Differences in White Matter Connections Related to Reading Comprehension Skill? Poster presented at the *Human Brain Mapping Annual meeting*.
23. Burns S.S., Miller, A., Davis, N., Rimrodt, S.L., & **Cutting, L.E.** (June, 2013). Central and Peripheral Thematic Activation in fMRI. Poster presented at the *Human Brain Mapping Annual meeting*.
24. Fan Q, Spangler E, Hong X, Jeong H, Davis N, **Cutting LE**, Anderson AW (2013, April). Multiple kernel spherical deconvolution and intrinsic FA of crossing fiber populations. Poster presented at the *21st Annual Meeting of the ISMRM, Salt Lake City, USA 2013*
25. Dove, D., Cao, A., Burns, S., Davis, N., & **Cutting, L.E.** (2013, February). White matter integrity in young school-age children positively correlates with reading, language, and executive function. Poster presented at the *International Neuropsychological Society 40th Annual Meeting*.

26. Barquero L.A., Burns S.S., Davis N., Dove D., **Cutting, L.E.** (2012, July). Neurobiological correlates predicting responsiveness to reading intervention in children with RD. Poster presented at the *Society for the Scientific Study of Reading* Annual meeting.
27. Benedict, S., Davis, N., Harris, H., Lindstrom, E., Compton, D., & **Cutting, L.E.** (2012, July). The role of phonology and orthography in children's morphological word reading skills. Poster presented at the *Society for the Scientific Study of Reading* Annual meeting.
28. Lindstrom, E., Davis, N., Gilbert, J., Spangler, E., Compton, D., & **Cutting, L.E.** (2012, July). Content-specific background knowledge and passage level comprehension: a preliminary investigation. Poster presented at the *Society for the Scientific Study of Reading* Annual Meeting.
29. Stewart, R., Pisupati, A., Burns, S., Davis, N., Rimrodt, S., **Cutting, L.E.**, (2012, April). Neural correlates of visual letter imagery in typically developing readers. Poster presented at the *Cognitive Neuroscience Society* Annual Meeting.
30. Barquero, L., Burns, S., Davis, N., Rimrodt, S.L., Pekar, J., & **Cutting, L.E.** (2012, February). Neurobiological outcomes associated with intervention in children with reading disability. Poster presented at the *International Neuropsychological Society* 40th Annual Meeting.
31. Davis, N., Gilbert, J., Compton, D.L., Lindstrom, E.R., Benedict, S.L., Harris, H.C., Barquero, L., Rimrodt, S.L., & **Cutting, L.E.** (2012, February). The relationship in children between executive functioning, language, word recognition and reading comprehension: An S.E.M. analysis. Interactive paper presented at the *Pacific Coast Research Conference*.
32. Fan, Q., Davis, N., Rimrodt, S.L., Anderson, A.W., & **Cutting, L.E.** (2012, February). Thalamus connectivity: what can diffusion tractography tell us about reading difficulties in children? Poster presented at the *International Neuropsychological Society* 40th Annual Meeting.
33. Roberts, N., Pryor, B., Patel, R., Spangler, E., **Cutting, L.E.**, Rimrodt, S.L (2012, February). FMRI of repetition task associated with word learning in skilled young adult readers. Poster presented at the *International Neuropsychological Society* 40th Annual Meeting.
34. Wilson, L.M., Davis, N., Rimrodt, S.L., & **Cutting, L.E.** (2012, February). Word reading performance of children and adolescents with Neurofibromatosis type 1 following intervention. Poster presented at the *International Neuropsychological Society* 40th Annual Meeting.
35. Stewart, R., Pisupati, A., Davis, N., Rosenberg, L., Young, KM, Ryan, M., Pekar, J., Rimrodt, S.L., **Cutting, L.E.** (2011, November) Neural correlates of sentence comprehension in adolescents. Poster presented at the *Neurobiology of Language* Annual Meeting.

36. Sivapurapu-Pisupati, A., Rimrodt, S.L., Stewart, R.A., Davis, N., Pugh, K.R., Pekar, J., & **Cutting, L.E.** (2011, July). Neurobiological correlates of learning the meanings of “words.” Poster presented at the *Society for the Scientific Study of Reading Annual Meeting*.
37. Stewart, R.A., Sivapurapu-Pisupati, A., Ryan, M., Goldberg, L., Young, K., Eason, S., Rimrodt, S.L., & **Cutting, L.E.** (2011, July). Neural correlates of sentence type in adolescent readers. Poster presented at the *Society for the Scientific Study of Reading Annual Meeting*.
38. Street, J.S., Davis, N., Benedict, S.L., Heather, H.C., & **Cutting, L.E.** (2011, July). Reader-text interactions and oral reading fluency. Poster presented at the *Society for the Scientific Study of Reading Annual Meeting*.
39. Davis, N., Barquero, L., Venkatadri, A., Wilson, L., Rimrodt, S., Merkle, K., Pekar, J., & **Cutting, L.E.** (2011, July). Neurobiological correlates of sentence comprehension in adolescent struggling readers. Poster presented at the *Society for the Scientific Study of Reading Annual Meeting*.
40. Clements-Stephens, A.M., Materek, A.D., Eason, S.H., Scarborough, H.S., Pugh, K.R., Rimrodt, S.L., Pekar, J.J., & **Cutting, L.E.** (2011, June). Behavioral and neural mechanisms associated with novel word learning. Poster presented at the *International Mind, Brain, and Education Society 2nd Annual Meeting*.
41. Marbrey, C., Sivapurapu-Pisupati, A., **Cutting, L.E.**, & Rimrodt, S.L. (2011, June). Repetition task associated with differential learning in skilled and less-skilled readers. Poster presented at Meharry Student Research Day 2011 and Vanderbilt Pediatric Research Retreat 2011.
42. Fan, Q., Hong, X., Davis, N., **Cutting, L.E.**, & Anderson A.W. (2011, May). Multiple kernel spherical deconvolution. Poster presented at the *International Society for Magnetic Resonance in Medicine 19th Annual Meeting*.
43. Fan, Q., Davis, N., Anderson, A.W., Rimrodt, S.L., & **Cutting, L.E.** (2011, June). Diffusion tensor imaging reveals white matter differences in children with neurofibromatosis type 1. Poster presented at the *Organization of Human Brain Mapping 17th Annual Meeting*.
44. Sivapurapu-Pisupati, A., Stewart, R.A., Rimrodt, S.L., Eason, S.H., Young, K.M., Goldberg, L.F., Davis, N., Pugh, K.R., & **Cutting, L.E.** (2010, July). fMRI correlates of a dynamic measure of word learning in children. Poster session presented at the *Society for the Scientific Study of Reading Annual Meeting*.
45. Peterson, D.J., Rimrodt, S.L. & **Cutting, L.E.** (2010, May). Differences in white matter fiber orientation in three clinical groups of children: Reading disability, NF-1 and reading disability and controls. Poster presented at the *International Society of Magnetic Resonance in Medicine 20th Scientific Meeting and Exhibition*.

46. Venkatadri, A., Rimrodt, S.L., Clements, A., Pugh, K.R. & **Cutting, L.E.** (2010, May). Single Word Reading in Reading Disability depends on Word Frequency. Poster presented at the *International Society of Magnetic Resonance in Medicine 20th Scientific Meeting and Exhibition*.
47. Fan, Q., Davis, N., Compton, D.L., Fuchs, D., Fuchs, L., & **Cutting, L.E.**, Gore, J., Anderson, A. (2010, February). The relationship between white matter connectivity and children's reading abilities. Poster presented at the Vanderbilt University Kennedy Center Science Day.
48. Rimrodt, S.L., Lanham, D.C., **Cutting, L.E.**, & Denckla, M.B. (2010, February). An MRSI study of Neurofibromatosis Type 1 and Reading Comprehension. Poster presented at the Vanderbilt Kennedy Center Science Day.
49. **Cutting, L.E.** (2010, February). In S. Petrill (Chair) Towards a Biobehavioral Model of Reading. Symposium conducted at the *Pacific Coast Research Conference*.
50. Silverman, R., Speece, D.L., Harring, J., Ritchey, K.D. & **Cutting, L.E.** (2010, February). What is the role of fluency in the simple view of reading? Poster presented at the *Pacific Coast Research Conference*.
51. Goldberg, L. F., Eason, S. H., Ryan, M., & **Cutting, L.E.** (2010, June). Combining the simple view of reading with fluency, world knowledge, and reading strategies to predict reading comprehension. Poster presented at *American Academy of Clinical Neuropsychology*.
52. Sivapurapu-Pisupati, A., Stewart, R.A., Rimrodt, S.L., Eason, S.H., Young, K.M., Goldberg, L.F., Davis, N., Pugh, K.R. & **Cutting, L.E.** (2010, July). fMRI correlates of a dynamic measure of word learning in children [Abstract]. Presented at the 17th Annual Meeting of the *Society for the Scientific Study of Reading*.
53. Stewart, R., Pisupati, A., Ryan, M., Goldberg, L., Young, K., Eason, S., Rimrodt, S. & **Cutting, L.E.** (2010, July). Neural correlates of sentence type in adolescent readers [Abstract]. Presented at the 17th Annual Meeting of the *Society for the Scientific Study of Reading*.
54. Rimrodt, S.L., Lanham, D.C., **Cutting, L.E.** & Denckla, M.B. (2010, August). An MRSI study of Neurofibromatosis Type 1 and reading comprehension. Poster presented at the *Vanderbilt Kennedy Center Science Day*.
55. Eason, S.H., Geist, M., Goldberg, L.F. & **Cutting, L.E.** (2009, February). Reader-Text Interactions in Reading Comprehension. Poster presented at the 37th *International Neuropsychological Society Annual Meeting*.

56. Lanham, D.C., Rimrodt, S.L., **Cutting, L.E.**, Denckla, M.B. & Barker, P.B. (2009, February). Neurochemical Correlates of Reading Disorders in Children. Poster presented at the 37th *International Neuropsychological Society* Annual Meeting.
57. Levine, T.M., Cole, C., Rimrodt, S.L., Abel, J.R. & **Cutting, L.E.** (2009, February). Preliminary Results of an Intensive Short-term Reading Intervention for Children with Reading Disabilities and Neurofibromatosis-Type 1 (NF-1). Poster presented at the 37th *International Neuropsychological Society* Annual Meeting.
58. Peterson, D.J., Ryan, M., Richardson, M., Rimrodt, S.L., **Cutting, L.E.** & Mahone, E.M. (2009, February). Diffusion Tensor Imaging of Children with Attention-Deficit-Hyperactivity Disorder. Poster presented at the 37th *International Neuropsychological Society* Annual Meeting.
59. Young, K.M., Levine, T.M., Gogolinski, T. & **Cutting, L.E.** (2009, February). Visuospatial Weaknesses in Children with Neurofibromatosis Type 1 (NF-1). Poster presented at the 37th *International Neuropsychological Society* Annual Meeting.
60. Joel, S.E., Rimrodt, S.L., Venkatadri, A., Caffo, B.S., **Cutting, L.E.** & Pekar, J.J. (2009, June). Altered Connectivity between Brain Networks in Reading Disability [Abstract]. Presented at the 15th Annual *Organization for Human Brain Mapping* Meeting.
61. Chodkowski, B., Rimrodt, S. & **Cutting, L.E.** (2008, February). Heterogeneity of Reading Difficulty in Adolescents. Poster presented at the 36th *International Neuropsychological Society* Annual Meeting.
62. Clements-Stephens, A., Levine, T., Young, K. & **Cutting, L.E.** (2008, February). Sex-based differences in the relative contributions of verbal, visuospatial, and motor processing to task performance [Abstract]. Presented at the 36th *International Neuropsychological Society* Annual Meeting.
63. Eason, S.H., Alberstadt, A., Sabatini, J., Bruce, K. & **Cutting, L.E.** (2008, February). Children with specific reading comprehension impairments: Deficits in contextual but not isolated word reading speed? Poster presented at the 36th *International Neuropsychological Society* Annual Meeting.
64. Gaur, P., Clements-Stephens, A.M., Carmichael, D.K. & **Cutting, L.E.** (2008, February). The neurobiology of single word reading in adolescents with varying degrees of reading ability. Poster presented at the 36th *International Neuropsychological Society* Annual Meeting.
65. Rimrodt, S.L., Venkatadri, A., Gaur, P., Clements-Stephens, A.M. & **Cutting, L.E.** (2008, February). Multi-modal sentence processing reveal common language networks. Poster presented at the 36th *International Neuropsychological Society*.

66. Ryan, M., **Cutting, L.E.**, Eason, S., Materek, A., & Mahone, E.M. (2008, February). Elithorn Mazes in Children: What does it Measure? Poster presented at the 36th *International Neuropsychological Society* Annual Meeting.
67. Peterson, D.J., Landman, B.A. & **Cutting, L.E.** (2008, May). The Impact of Robust Tensor Estimation on Voxel-Wise Analysis of DTI Data. Poster presented at the 16th Annual Meeting of *International Magnetic Resonance in Medicine*.
68. Peterson, D.J., Gaur, P., Rimrodt, S., **Cutting, L.E.** & Denckla, M. (2008, July). Diffusion Tensor Imaging of Children with Reading Disability. Poster presented at the 15th Annual Meeting for the *Scientific Study of Reading*.
69. Peterson, D., Gaur, P., Rimrodt, S. & **Cutting, L.E.** (2008, November). Diffusion Tensor Imaging in Children with Neurofibromatosis Type 1 and Reading Disability [Abstract]. Presented at the *Child Neurology Society* Annual Meeting.
70. Rimrodt, S., Venkatadri, A., Carmichael, D., Gaur, P., Clements-Stephens, A. & **Cutting, L.E.** (2008, November). Neurobiological response to word processing in young adult skilled and impaired Readers [Abstract]. Presented at the *Child Neurology Society* Annual Meeting.
71. Clements-Stephens, A.M., Gaur, P., Rimrodt, S.L. & **Cutting, L.E.** (2007, February). Sentence comprehension processing in adolescents and young adults. Presented at the 35th Annual *International Neuropsychological Society*, 13(S1), 137.
72. Levine, T.M., Rimrodt, S.L. & **Cutting, L.E.** (2007, February). Reading disability and language differences in children with Neurofibromatosis Type 1. Poster presented at the 35th Annual *International Neuropsychological Society* Meeting.
73. Li, J., **Cutting, L.E.**, Materek, A., Prahme, C., Levine, T.M., Denckla, M.B. & Mahone, M. (2007, February). Pause time variability on rapid naming predicts reading fluency and comprehension in children without word reading difficulties. Poster presented at the 35th Annual *International Neuropsychological Society* Meeting.
74. Materek, A., Levine, T.M. & **Cutting, L.E.** (2007, February). Differences in language, fluency and executive function amongst children with word reading deficits versus normal word reading/poor comprehension. Poster presented at the 35th Annual *International Neuropsychological Society* Meeting.
75. Rimrodt, S.L., Holley, S.R. & **Cutting, L.E.** (2007, February). Different skills contribute to reading comprehension depending on time-restriction. Presented at the 35th Annual *International Neuropsychological Society*, 13(S1), 140.
76. Rimrodt, S.L., Venkatadri, A., Clements-Stephens, A.M. & **Cutting, L.E.** (2007, February). fMRI of reading comprehension in young adults with and without reading impairment. Presented at the 35th Annual *International Neuropsychological Society*, 13(S1), 140

77. Clements-Stephens, A.M., Gaur, P., Materek, A. & **Cutting, L.E.** (2007, May). Learning novel words: An fMRI study examining modulations in activation related to word familiarity. Poster presented at the 14th Annual *Child Neurology Society Meeting*.
78. Materek, A., Khizanishvili, A. & **Cutting, L.E.** (2007, May). Automaticity of word level skills in children with reading comprehension deficits. Poster presented at the 14th Annual *Child Neurology Society Meeting*.
79. Abel, J.R., Rimrodt, S.L., Mohamed, M.A., **Cutting, L.E.** & Barker, P.B. (2006, February). Magnetic resonance spectroscopic imaging and NF-1: Correlates to cognitive function. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
80. Clements, A., Abel, J.J., Rimrodt, S.L., Pekar, J.J. & **Cutting, L.E.** (2006, February). Developmental differences in the neural circuitry associated with sentence comprehension. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
81. Clements, A.M., O'Donnell, M., Abel, J., Rimrodt, S., Pekar, J.J. & **Cutting, L.E.** (2006, February). Do sex differences in cerebral laterality exist in children on language and visuospatial tasks? Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
82. Levine, T.M., Clements, A.M., Abel, J.R. & **Cutting, L.E.** (2006, February). Interrelationships between behavioral performance and neural mechanisms associated with different visuospatial tasks. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
83. Materek, A.D., **Cutting, L.E.** & Abel, J.R. (2006, February). Analytical elements of syntactic processing in older children. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
84. Rimrodt, S., Clements, A., Abel, J.R. & **Cutting, L.E.** (2006, February). FMRI of word frequency and words in sentential context in children with reading disability. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
85. Roeder, M., Mostofsky, S.H., Gidley-Larson, J.C., **Cutting, L.E.**, Denckla, M.B. & Mahone, M. (2006, February). Right-left time differences on neuromotor examination in children. Poster presented at the 34th Annual *International Neuropsychological Society Meeting*.
86. Mohamed, M.A., Abel, J.R., Rimrodt, S.L., **Cutting, L.E.** & Barker, P.B. (2006, May). Proton MR Spectroscopic Imaging in Neurofibromatosis Type-1: Relationship to neuropsychological testing. Poster presented at the 16th Annual Scientific Meeting *International Society for Magnetic Resonance in Medicine*.
87. Chodkowski, B., Clements-Stephens, A.M., Rimrodt, S.L., **Cutting, L.E.** & Pekar, J.J. (2006, June). Exploring neural correlates of sentence comprehension: ICA Helps Distinguish

“task activation” from “control deactivation.” Poster presented at the 12th Annual *Organization for Human Brain Mapping*.

88. Levine, T.M., Rimrodt, S.L., Clements, A.M. & **Cutting, L.E.** (2006, June). Relationship of reading and visuospatial measures in Neurofibromatosis Type 1. Poster presented at the 4th Annual *Conference of the American Academy of Clinical Neuropsychology*.
89. **Cutting, L.E.**, Clements, A.M., Schafer, J., Pekar, J.J., Mostofsky, S.H. & Denckla, M.B. (2005, February). fMRI of the Judgment of Line Orientation in Neurofibromatosis Type-1 (NF-1), RD, and control Groups: Preliminary findings. Poster presented at the 33rd Annual Meeting of the *International Neuropsychological Society Meeting*.
90. Clements, A., **Cutting, L.E.**, Schafer, J., Pekar, J.J. & Mostofsky, S.H. (2005, February). Developmental differences in the neural mechanisms associated with the Judgment of Line Orientation. Poster presented at the 33rd Annual *International Neuropsychological Society Meeting*.
91. Mahone, M., Larson, J., Mostofsky, S.H., Goldberg, M.C., **Cutting, L.E.** & Denckla, M.B. (2005, February). Gender differences on neuromotor examination in typically developing children. Poster presented at the 33rd Annual Meeting of the *International Neuropsychological Society*.
92. Rimrodt, S.L., Lightman, A., Abel, J.R., Denckla, M.B. & **Cutting, L.E.** (2005, February). Reading Comprehension in spite of normal word reading accuracy: A Matter of reading speed? Poster presented at the 33rd Annual *International Neuropsychological Society Meeting*.
93. Rimrodt, S.L., Lightman, A., Roberts, L., Denckla, M.B. & **Cutting, L.E.** (2005, February). Are all tests of reading comprehension the same? Poster presented at the 33rd Annual *International Neuropsychological Society Meeting*.
94. Rimrodt, S.L., Clements, A.M., Abel, A., Keller, J., Pugh, K. & **Cutting, L.E.** (2005, June). fMRI of auditory and visual sentence processing in children [Abstract]. Presented at the 11th Annual *Organization of Human Brain Mapping meeting*.

E. PROFESSIONAL ACTIVITIES AND SERVICE

Editorial Activities

Proceedings of the National Academy of Sciences (Manuscript Reviewer)

Child Development (Manuscript Reviewer)

Developmental Neuropsychology (Manuscript Reviewer)

Journal of the International Neuropsychological Society (Manuscript Reviewer)

American Journal of Medical Genetics (Manuscript Reviewer)

Neuropsychologica (Manuscript Reviewer)

Scientific Studies of Reading (Manuscript Reviewer)

Cognitive and Behavioral Neurology (Manuscript Reviewer)
Cognitive Neuropsychology (Manuscript Reviewer)
Journal of Speech, Language, and Hearing Research (Manuscript Reviewer)
Journal of Educational Psychology (Manuscript Reviewer)
Journal of Clinical Child and Adolescent Psychology (Manuscript Reviewer)
Journal of Abnormal Psychology (Manuscript Reviewer)
Journal of Communication Disorders (Manuscript Reviewer)
Neuroimage (Manuscript Reviewer)
Applied Psycholinguistics (Manuscript Reviewer)
Brain Research (Manuscript Reviewer)
European Journal of Paediatric Neurology (Manuscript Reviewer)
Neuropsychology (Manuscript Reviewer)
Child Neuropsychology (Manuscript Reviewer)
Brain (Manuscript Reviewer)
Journal of Research in Reading (Manuscript Reviewer)
Human Brain Mapping (Manuscript Reviewer)
Journal of Child Neuropsychology (Manuscript Reviewer)
Journal of Child Psychology and Psychiatry (Manuscript Reviewer)
PLoS one (Manuscript Reviewer)
Magnetic Resonance in Medicine (Manuscript Reviewer)
Developmental Science (Manuscript Reviewer)
Cerebral Cortex (Manuscript Reviewer)

Annals of Dyslexia (Editorial Board)
Journal of Learning Disabilities (Editorial Board)
Journal of Research on Educational Effectiveness (Editorial Board)
Learning Disabilities Research and Practice (Past Member of Editorial Board)
Mind, Brain, and Education (Associate Editor)
 Guest Editor of Special Issue “Genetic Disorders and Learning Disabilities”, *Learning Disabilities Research and Practice*

Guest Editor of Special Issue “Learning Disabilities in English Language Learners”, *Learning Disabilities Research and Practice*

Grant Review Activities

2000-2009	Reviewer, General Clinical Research Center/NBRU
2002, 2004, 2011	Reviewer, Rita Rudel Grants
June 2004	Adult Psychopathology and Disorders of Aging (APDA) Study Section Review Panel/BBBP-G (21) L Fellowship
April 2005, October 2007 November 2013	Ad Hoc Reviewer NICHD, P01 Special Emphasis Panels

May 2005	Ad Hoc Reviewer, NIH/NIMH BSTART (Behavioral Science Track Award for Rapid Transition)
2006, 2008	Reviewer, International Dyslexia Association Grants
2007	Reviewer, Israel Science Foundation
December 2010, 2014	Ad Hoc Reviewer, Children's Tumor Foundation
April 2011	Ad Hoc Reviewer, NSF/Linguistics Panel
June 2011	Ad Hoc Reviewer, Austrian Science Fund
July 2012-June 2016	NIH Study Section Member LCOM, CSR/NIH
April 2014	Ad Hoc Reviewer, NSF/Linguistics Panel
July 2014	Ad Hoc Reviewer, Wellcome Trust
December 2015	Netherlands Organisation for Scientific Research
December 2015	Invited to be Standing Study Section Chair, NIH/LCOM

Professional Societies

- American Psychological Association
- Society for Neuroscience
- International Dyslexia Association
- Society for the Scientific Study of Reading

Service Activities

August 2000 through 2009	Advisory Committee General Clinical Research Center (NIH grant M01-RR00052) Johns Hopkins School of Medicine
January 2000 - 2009	Member General Clinical Research Center Protocol Review Subcommittee for Neurobehavioral Research Unit (NIH grant M01-RR00052) Kennedy Krieger Institute
June 2001 through June 2003	Member, Advisory Board

	Center for Reading Excellence Johns Hopkins University, Kennedy Krieger Institute, and Maryland State Department of Education
March 2001 through August 2002	Member, Advisory Committee Cognitive Behavioral Remediation Program for Children with Lead Poisoning
January 2002 through 2009	<i>Reading First</i> Internal Committee Maryland State Department of Education
August 2003 through present	Member, Scientific Advisory Council Jemicy School, Baltimore, MD
June 2003 through August 2009	Advisory Board Maryland Branch of the International Dyslexia Association
2004	Panel Membership: <i>Institute for Educational Sciences</i> * <small>*Expert advisory panel to the U. S. Department of Education on matters related to teacher preparation (prior to Congress directing the National Research Council to conduct the research)</small>
March 2007 through 2009	Member, Federal Reading First Advisory Panel
2011	Reviewer, National Academies of Sciences, Improving Adult Literacy Instruction: Options for Practice and Research Report
2011	NICHHD Vision Workshop (Cognition), participant
2011	Developmental Psychology Faculty Search Committee (Amy Needham, Chair)
August 2011-February 2012	Vanderbilt Brain Institute Interim Steering Committee
2012	Educational Neuroscience Faculty Search Committee (Craig Kennedy, Chair)
2012-present	Educational Neuroscience Initiative Educational Neuroscience Ph.D. Program Development
2012	Conference Chair

	The Dyslexia Foundation 13 th Annual Symposium, June 24-30, 2012, Tallinn, Estonia
2012	Chair, Vanderbilt Kennedy Center Science Day
2012	Susan Gray School Faculty Search Committee (ML Hemmeter, Chair)
2012-2014	Scientific Advisory Board, <i>The Dyslexia Foundation</i>
2014-present	Chair of the Scientific Advisory Board, <i>The Dyslexia Foundation</i>
2014-present	Vanderbilt Brain Institute Steering Committee
2015-present	Chair, Faculty Advisory Committee on Research IT
2015-present	Chancellor's Biomedical Sciences Advisory Committee
2015-present	Scientific Advisory Board, <i>National Center for Learning Disabilities</i>

F. RECOGNITION

Awards and Honors

1992	Elected to Golden Key Honors Society, American University, Washington, DC
1993	Awarded Departmental Honors, American University, Washington, DC
1993-1994	Partial tuition scholarship and teaching assistantship awarded by Northwestern University, Evanston, IL
1994-1997	Full tuition scholarship and teaching assistantship awarded by Northwestern University, Evanston, IL
1997	Dissertation of the Year Award, Council for Exceptional Children - Division of Learning Disabilities, Minneapolis, MN
2001	Invited member to International Academy for Research in Learning Disabilities
2005	White House Fellow 2005-2006 <i>Regional Finalist</i>

2013 *Norman Geshwind Lecture*, International Dyslexia Association

2015 Invited to *White House OSTP Workshop on Neuroscience and Learning*

Invited Talks and Panels (listed most recent to earliest)

Title: *Role of Domain General Regions in Dyslexia*
Date: November 14, 2015
Conference: Beyond a Reading Disability: Examining the Full Spectrum of Abilities/Disabilities of the Unique Dyslexic Brain
Location: Boston, MA

Title: *Neurobiological Indices as Predictors of Intervention Response: Implications for Reading Outcomes*
Date: October 28, 2015
Conference: International Dyslexia Association
Location: Grapevine, TX

Title: *Neurobiological Correlates of Decoding and Comprehension*
Date: October 8, 2015
Conference: Pennsylvania Branch of the International Dyslexia Association
Location: Philadelphia, PA

Title: *Assessing Reading Comprehension: A Complex Task*
Date: October 8, 2015
Conference: Pennsylvania Branch of the International Dyslexia Association
Location: Philadelphia, PA

Title: *Cognitive and Neurobiological Correlates of Decoding and Reading Comprehension: Classroom Implications*
Date: October 1, 2015
Conference: Middle Tennessee State University Literacy Conference
Location: Murfreesboro, TN

Title: *Insights into Dyslexia: Neurobiological Origins*
Date: September 16, 2015
Conference: Maryland Governor's Task Force on Dyslexia
Location: Columbia, MD

Title: *Adolescent Reading Abilities & Education Policies*
Date: July 19th, 2015
Conference: Southern Legislative Council
Location: Savannah, GA

Title: *Predicting Intervention Response from Neurobiology: Implications for the Classroom*
 Date: April 24th, 2015
 Conference: Academic Language Therapist Association
 Location: Richardson, TX

Title: *Predicting Intervention Response from Neurobiology: Implications for the Classroom*
 Date: April 18th, 2015
 Conference: IDA Southern Regional Conference
 Location: Nashville, TN

Title: *The Relationship of Executive Function to Word Recognition and Reading Comprehension: A Tale of Complexity*
 Date: March 20th, 2015
 Conference: Learning Differences Conference
 Location: Boston, MA

Title: *Neurobiological Correlates of Word and Text Comprehension: Differences, Similarities, and Complexities*
 Date: March 16th, 2015
 Conference: AIM Conference
 Location: Philadelphia, PA

Title: *Unraveling the Neurobiological Correlates of Reading Comprehension*
 Date: February 28th, 2015
 Conference: MTSU Literacy Conference
 Location: Murfreesboro, TN

Title: *The Neurobiological Correlates of Decoding and Comprehension*
 Date: January 28th, 2015
 Conference: Winter Brain Conference
 Location: Big Sky, Montana

Title: *Neural Indices of Treatment Responses in Children with Learning Disabilities and Other Intellectual or Developmental Disabilities*
 Date: January 14th, 2015
 Conference: N/A
 Location: Nashville, TN

Title: *Presentation to the Vanderbilt Board of Trust*
 Date: November 16th, 2014
 Conference: N/A
 Location: Nashville, TN

Title: *The Neurobiological Correlates of Decoding and Comprehension*
Date: November 9th, 2014
Conference: International Dyslexia Association Annual Conference
Location: San Diego, CA

Title: *Fine Tuning 'Fuzzy' Points in Learning & Knowing When to Change the Gain*
Date: November 12th, 2014
Conference: International Mind Brain and Education Society
Location: Fort Worth, TX

Title: *Neurobiological Basis of Word Recognition and Reading Comprehension: Distinctions, Overlaps, and Implications for Instruction and Intervention*

Date: July 9th, 2014
Conference: Wilson Language Annual Conference
Location: Providence, R.I.

Title: *Neurobiological Basis of Word Recognition and Reading Comprehension: Distinctions, Overlaps, and Implications for Instruction and Intervention*

Date: June 24th, 2014
Conference: The Dyslexia Foundation
Location: Azores, Portugal

Title: *How Neuroscience Informs Education, and How Education Enlightens Neuroscience*

Date: June 6th, 2014
Conference: Neuroscience and Education: The Connection
Location: Nashville, TN

Title: *Cognitive and Neurobiological Correlates of Reading (Dis)Ability*
Date: June 6th, 2014
Conference: Neuroscience and Education: The Connection
Location: Nashville, TN

Title: *Educational Neuroscience: Where We Are and Where We Can Go*
Date: May 14th, 2014
Conference: AAAS Policy Forum
Location: Washington, DC

Title: *Cognitive and Neurobiological Correlates of Reading Comprehension: A Not So Simple Story*

Date: March 10th, 2014
Conference: Georgia State University Distinguished Lecture Series
Location: Atlanta, GA

Title: *Cognitive and Neurobiological Mechanisms of Reading Comprehension*
Date: November 6, 2013
Conference: International Dyslexia Association
Location: New Orleans, LA

Title: Normal Geshwind Memorial Lecture: *From Words to Text: Behavioral and Neurobiological Correlates of Reading*
Date: November 8, 2013
Conference: International Dyslexia Association
Location: New Orleans, LA

Title: *Cognitive and Neurobiological Mechanisms of Reading: From Words to Text*
Date: July 15, 2013
Conference: International Workshop on Brain, Cognition and Learning
Location: Beijing, China

Title: *Educational Neuroscience: Stretching beyond the boundaries to address pressing educational questions*
Date: May 9, 2013
Conference: Commencement Day Speaker
Location: Nashville, TN

Title: *Learning Disabilities in NF-1: Life Impact*
Date: April 20th, 2013
Conference: Children's Tumor Foundation
Location: Nashville, TN

Title: *Cortical and Subcortical Connectivity Patterns in Typically Developing Readers and Children with Dyslexia*
Date: April 11, 2013
Conference: Oxford-Kobe International Dyslexia Symposium
Location: Oxford, England

Title: *From words to text: Neurobiology and behavioral bases of reading comprehension*
Date: June 27, 2012
Conference: The Dyslexia Foundation's 13th Extraordinary Brain Series
Location: Tallinn, Estonia

Title: *Cognitive and Neurobiological Correlates of Reading Comprehension: A Not So Simple Story*
Date: January 10, 2012
Conference: Invited colloquium at Educational Testing Service

Location: Princeton, NJ

Title: *Research with an Impact & the Vanderbilt Kennedy Center Reading Clinic: From the Laboratory to the Classroom*

Date: December 2, 2011

Conference: UCEDD Advisory Committee Meeting, Vanderbilt Kennedy Center

Location: Nashville, TN

Title: *Brain Mechanisms for Reading Comprehension: Implications for Learning*

Date: October 28, 2011

Conference: Haskins Laboratories Training Institute

Location: New Haven, CT

Title: *What is Known about Characteristics and Intervention for Learning Disabilities in the General Population: Application to children with NF-1*

Date: June 20, 2011

Conference: Children's Tumor Foundation

Location: Jackson Hole, WY

Title: *Reading Disabilities: Neurobiological Correlates of Subtypes*

Date: April 18, 2011

Conference: Vanderbilt University Institute for Imaging Science

Location: Nashville, TN

Title: *Cognitive and Neurobiological Processes in Reading Comprehension*

Date: February 25, 2011

Conference: Vanderbilt University Psychology Colloquium

Location: Nashville, TN

Title: *Neurobiological Effects of Different Training Approaches on Word Learning*

Date: December 3, 2010

Conference: Vanderbilt University Institute for Imaging Science

Location: Nashville, TN

Title: *Reading Disabilities: Cognitive and Neurobiological Linkages*

Date: November 11, 2010

Conference: Peabody Professional Student Colloquium, Vanderbilt University

Location: Nashville, TN

Title: *Research with an Impact & the Vanderbilt Kennedy Center Reading Clinic: From the Laboratory to the Classroom*
Date: October 26, 2010
Conference: Vanderbilt University Kennedy Center Lunch and Learn
Location: Nashville, TN

Title: *Reading Disabilities: Cognitive and Neurobiological Linkages*
Date: September 8, 2010
Conference: Vanderbilt Kennedy Center Developmental Disabilities Grand Rounds
Location: Nashville, TN

Title: *Educational Neuroscience: Reading Development as an Exemplar*
Date: April 22, 2010
Conference: Vanderbilt University Board of Trustees Annual Meeting
Location: Nashville, TN

Title: *Reading Comprehension*
Date: April 9, 2010
Conference: Landmark College
Location: Putney, VT

Title: *Reading Development and Disabilities*
Date: April 7, 2010
Conference: NSSHLA
Location: Boston, MA

Title: *Reading Comprehension: Bottom Up and Top Down Factors*
Date: February 17, 2010
Conference: Learning Disabilities Association
Location: Baltimore, MD

Title: *Reading Comprehension*
Date: October 24, 2009
Conference: The Summit School
Location: Edgewater, MD

Title: *Reading Comprehension: The Plot Thickens for Middle School Students*
Date: October 16, 2009
Conference: The Dyslexia Foundation
Location: Cambridge, MA

Title: *Approaches to Selecting and Validating Assessments of Reading Disability*
Date: April 15, 2008

Conference: IES/ETS Reading Comprehension Assessment Conference
Location: Princeton, NJ

Title: *Can Taking a Cheap and Easy Route Get the Job Done? Using Quick Group Tests to Screen for Reading Disability*
Date: April 16, 2008
Conference: IES/ETS Reading Comprehension Assessment Conference
Location: Princeton, NJ

Title: *Neurobiological Correlates of Reading Comprehension*
Date: June 4, 2008
Conference: Kirby Center Annual Retreat
Location: Baltimore, MD

Title: *Neurobiological Correlates of Reading Comprehension*
Date: June 6, 2008
Conference: Johns Hopkins University Neuroeducation Conference
Location: Baltimore, MD

Title: *Reading Development and Disabilities*
Date: November 6, 2008
Conference: Emily Hall Tremain Foundation
Location: Baltimore, MD

Title: *Issues and Challenges in Adolescent Literacy*
Date: February 10, 2007
Conference: Southwest Branch of International Dyslexia Association
Location: Albuquerque, NM

Title: *Beyond Decoding: Cognitive and and Neurobiological Processes in Reading Comprehension*
Date: February 10, 2007
Conference: Southwest Branch of International Dyslexia Association
Location: Albuquerque, NM

Title: *Executive Function and the Adolescent Brain*
Date: April 13, 2007
Conference: Jemicy Advocacy Day
Location: Baltimore, MD

Title: *Neurobiological Bases for Reading: Implications for Adolescent Literacy*
Date: May 8, 2007
Conference: JHU Education Conference
Location: Baltimore, MD

Title: *Center for the Study of Reading Development*
Date: June 12, 2007
Conference: Kennedy Krieger Institute Grand Rounds
Location: Baltimore, MD

Title: *Reading Comprehension: Cognition and Neuroimaging*
Date: June 23, 2007
Conference: The Dyslexia Foundation
Location: Sao Paulo, Brazil

Title: *Center for the Study of Reading Development*
Date: June 23, 2007
Conference: The International Dyslexia Association
Location: Dallas, TX

Title: *Reading Comprehension Assessment*
Date: June 23, 2007
Conference: The International Dyslexia Association
Location: Dallas, TX

Title: *Reading disorders and the Role of Language and Executive Function*
Date: February 15, 2006
Conference: Lab School of Baltimore
Location: Baltimore, MD

Title: *Issues and Challenges in Adolescent Literacy*
Date: February 25, 2006
Conference: Oregon Branch of the International Dyslexia Association
Location: Portland, OR

Title: *Beyond Decoding: Cognitive and Neurobiological Processes in Reading Comprehension*
Date: February 25, 2006
Conference: Oregon Branch of the International Dyslexia Association
Location: Portland, OR

Title: *Examining Sources of Poor Reading Comprehension in Older Readers: Preliminary Findings, Issues, and Challenges*
Date: March 24, 2006
Conference: Florida Center for Reading Research Annual Conference
Location: St. Petersburg, FL

Title: *Reading Research Update: From Preschool to Adolescent Literacy*
Date: March 31, 2006

Conference: Training & Instructional Media Resources Special
 Kennedy Krieger Institute
 Location: Baltimore, MD

Title: *Reading Disorders and Attention-Deficit/Hyperactivity Disorder: The Educational Impact*
 Date: April 13, 2006
 Conference: Kennedy Krieger Institute
 Location: Baltimore, MD

Title: *New Directions and Findings in Reading Research*
 Date: April 28, 2006
 Conference: Maryland Branch of the International Dyslexia Association
 Location: Baltimore, MD

Title: *Cognitive and Neurobiological Processes in Reading Comprehension in Good and Poor Readers*
 Date: November 9, 2006
 Conference: Learning and the Brain Conference
 Location: Boston, MA

Title: *Sex Differences in Visuospatial and Language Processing*
 Date: November 9, 2006
 Conference: Learning and the Brain Conference
 Location: Boston, MA

Title: Discussant, *Reading and Mental Retardation*
 Date: March 18, 2005
 Conference: 2005 Gatlinburg Conference for MR/DD
 Location: Annapolis, MD

Title: *Research and Brain Basics for Understanding Reading Research*
 Date: April 30, 2005
 Conference: Maryland Branch of the International Dyslexia Association
 Location: Ocean City, MD

Title: Panelist, *Reading Remediation Programs: A Scientific Perspective*
 Date: July 21, 2005
 Conference: International Dyslexia Association Special Conference Research to Practice: Advances in Reading and Literacy
 Location: Washington, DC

Title: *Cognitive and Neural Processes in Reading*
 Date: October 29, 2005
 Conference: Anne Arundel Reading Council

Location: Severna Park, MD

Title: *Cognitive and Neural Processes in Reading Comprehension*
Date: November 12, 2005
Conference: Adolescent Literacy Research Network Invited Symposium:
International Dyslexia Association Conference

Location: Denver, CO

Title: *Reading and Learning Disabilities*
Date: November 29, 2005
Conference: National Center for Learning Disabilities
Location: New York, NY

Title: *Innovative Directions and Interventions for Learning Disabilities*
Date: December 7, 2005
Conference: Kennedy Krieger Institute Board Meeting
Location: Baltimore, MD

Title: *Beyond Decoding: Cognitive and Neurobiological Processes in Reading Comprehension*
Date: March 12, 2004
Conference: Lindamood Bell International Conference
Location: Anaheim, CA

Title: *Reading Disorders: Lessons Learned from Neuroscience and Their Application to Other Complex Learning Disorders*
Date: March 29, 2004
Conference: The Spectrum of Developmental Disabilities XXVI
Location: Johns Hopkins School of Medicine, Baltimore, MD

Title: *Adolescent Literacy Research Programs*
Date: March 30, 2004
Conference: Presentation to the Board Members of the Maryland State Department of Education
Location: Baltimore, MD

Title: *Beyond Decoding: Cognitive and Neurobiological Processes in Reading Comprehension*
Date: May 8, 2004
Conference: Maryland Branch of the International Dyslexia Association
Location: Hood College, Frederick, MD

Title: *Cognitive and Neural Correlates of Reading Disabilities*
Date: June 2, 2004
Conference: American Association of Mental Retardation Annual Meeting
Location: Philadelphia, PA

Title: *Maryland Flexner Panel Initiative*
 Date: June 9, 2004
 Conference: Maryland Partnership for Teaching and Learning K-16
 Location: Baltimore, MD

Title: *Remediating the Dysexecutive Issues in Reading Comprehension and Written Expression*
 Date: October 21, 2004
 Conference: "Understanding and Treating ADHD in Girls: Clinical, Social, and Educational Aspects." Symposium sponsored by the Jewish Social Services Agency
 Location: Chevy Chase, MD

Title: *Reading Comprehension: What is it? How do we test it?*
 Date: October 22, 2004
 Conference: Lab School of Washington 9th Annual Scientific Conference
 Location: Washington, DC

Title: *Cognition and Learning in NF-1*
 Date: November 6, 2004
 Conference: Informational Meeting for Individuals with NF
 Location: Baltimore, MD

Title: *Cognitive and Neurobiological Processes in Reading*
 Date: November 19, 2004
 Conference: Anne Arundel County Psychological Association
 Location: Annapolis, MD

Title: *Center for Reading Excellence: Educational Research at the Kennedy Krieger Institute*
 Date: February 13, 2003
 Conference: Center for Reading Excellence Advisory Board Meeting
 Location: Baltimore, MD

Title: *Reading and Language Disabilities in NF-1*
 Date: June 8, 2003
 Conference: NF, Inc
 Location: Silver Spring, MD

Title: *Cognitive Profile of NF-1*
 Date: June 10, 2003
 Conference: Mental Retardation and Developmental Disabilities Research Center Conference
 Location: Baltimore, MD

Title: *Relationship Between Research and Science Policy*
Date: June 24, 2003
Conference: Center for Learning Pediatric Series, Georgetown University
Location: Washington, DC

Title: *Learning Difficulties and Neurofibromatosis Type 1*
Date: August 28, 2003
Location: Solomon's Island, MD

Title: *Learning Disabilities in Patients with Neurofibromatosis Type 1*
Date: September 10, 2003
Conference: Neurofibromatosis and Turberous Sclerosis: State of the Art and Future Directions
Location: Children's Hospital of Pittsburgh
University of Pittsburgh School of Medicine
Pittsburgh, PA

Title: *Educational Research at the Kennedy Krieger Institute: Current Developments and Collaborations*
Date: November 24, 2003
Conference: Kennedy Krieger Institute Board of Education
Location: Baltimore, MD

Title: *Interdisciplinary Research: Future Directions in Education at the Kennedy Krieger Institute*
Date: March 7, 2002
Conference: Kennedy Krieger Institute Board / Education and Community Programs Committee
Location: Kennedy Krieger Institute, Baltimore, MD

Title: *Role of Rapid Automatized Naming in Attention Deficit Hyperactivity Disorder and Reading*
Date: May 4, 2002
Conference: DC Branch of the International Dyslexia Association
Location: Arlington, VA

Title: *Reading Acquisition for Early Learning*
Date: July 26, 2002
Conference: Maryland State Department of Education Literacy Conference
Location: Adelphi, MD

Title: *Reading Development in Elementary School*
Date: August 26, 2002
Conference: St Abraham Church Learning Series
Location: Baltimore, MD

Title: *Reading Disorders: Current Understandings and Research*
Date: September 30, 2002
Conference: Center for Learning and Development Retreat
Location: Baltimore, MD

Title: *Rapid Automatized Naming and Reading*
Date: October 7, 2002
Conference: Maryland Branch of the International Dyslexia Association
Location: Towson, MD

Title: *Reading and Language Disabilities in NF-1*
Date: October 14, 2002
Conference: The American Society of Human Genetics
Location: Baltimore, MD

Title: *Neurofibromatosis Type 1 and Reading Difficulties*
Date: March 24, 2001
Conference: NF, Inc Conference
Location: Mount Washington Pediatric Hospital, Baltimore, MD

Title: *Learning Disabilities and Attention Deficit Hyperactivity Disorder: Not-so-Separable Disorders*
Date: March 29, 2001
Conference: Developmental-Behavioral Pediatrics Fellowship Meeting
Location: Johns Hopkins School of Medicine, Baltimore, MD

Title: *What Neurofibromatosis Type 1 Reveals about Reading Disabilities*
Date: March 31, 2001
Conference: Spring Conference
Location: Northwestern University, Evanston, IL

Title: *The Kennedy Krieger Institute and the Center for Reading Excellence: A presentation for the Maryland State Department of Education*
Date: November 26, 2001
Conference: Conference Organized for Maryland State Department of Education
Location: Baltimore, MD

Title: *The Role of Naming Speed in Reading and Reading Disabilities*
Date: December 4, 2001
Conference: Chesapeake Academy
Location: Arnold, MD

Title: *Evidence for Brain Origins for Learning Difficulties*

Date: March 24, 2000
Conference: Center for Reading Excellence Reading Colloquium
Location: Johns Hopkins University, Baltimore, MD

Title: *Attention Deficit Hyperactivity Disorder and Reading Disabilities:
The Role of Naming Speed*

Date: April 7, 2000
Conference: Maryland Branches of the International Dyslexia Association /
American Speech and Language Association Joint Conference
Location: Towson, MD