A. DEMOGRAPHIC INFORMATION

Current Appointment

Research Assistant Professor
Principal Investigator
Neural Enhancement of Learning Lab (NELL)
Special Education, Peabody College
Vanderbilt University
Nashville, TN 37203

Office Address and Contact Information

One Magnolia Circle, Room 417B
Vanderbilt UniversityNashville,
TN 37203
(703) 851-2588
Katherine.aboud@vanderbilt.edu

Education and Training

Undergraduate Training (B.S., cum laude) 2005-2009	Mathematics and English Virginia Tech Blacksburg, VA
Master's Degree (MFA, summa cum laude) 2009-2012	English George Mason University Fairfax, VA
Pre-doctoral IRTA Fellow 2011-2013	National Institute of Deafness and other Communication Disorders National Institutes of Health Bethesda, MD
Pre-doctoral Research Analyst 2013-2014	Education and Brain sciences Research Lab (EBRL) Vanderbilt University Nashville, TN
Doctoral Degree 2014-2019	Education and Brain sciences Research Lab (EBRL) Vanderbilt University Nashville, TN
Postdoctoral Fellow 2019-2021	Education and Brain sciences Research Lab (EBRL) Vanderbilt University Nashville, TN

B. RESEARCH ACTIVITIES

Honors and Awards

2021	NIH Director's Early Independence Award
2021	1st place Prize, Army xTech BOLT competition
2020	Outstanding Scholars of Neuroscience Award Program, NIDCD, NIH
2018	Elaine Sanders-Bush Award for Outstanding Neuroscience Research, VanderbiltBrain Institute
2018	Best Oral Presentation, Vanderbilt Brain Institute
2018	Best Oral Presentation, Vanderbilt University Institute of Imaging Science Retreat2017-Present Learning Disability Hub Scholar, Special Education, Vanderbilt University
2016	Fellow for the National Center of Adaptive Neurotechnology (CompetitiveAdmission)
2012	Outstanding Mentor Award (as George Mason University Instructor)

Active Funding

1.) DP5 OD031843   Period: 09/15/2021-09/15/2026
NIH Director's Early Independence Award   **Amount: $1,952,000**
Bridging the gap between brain network science and high-definition non-invasive brain stimulation todevelop a scalable adult literacy intervention.
The purpose of this grant is to develop a non-invasive brain stimulation protocol to treat low reading comprehension in adults.
Role: PI

2.) US Army Medical Research & Dev Command   Period: 12/03/2021-12/03/2026
xTechBOLT Prize Competition – First Place Winner.   **Amount: $500,000**
Enhancement of Classroom Medical Learning in the Army.
The purpose of this grant is to enhance medical learning via a novel non-invasive brain stimulation protocol.
Role: PI

Completed Funding

1.) US Army Medical Research & Dev Command   Period: 12/03/2020 - 12/03/2021
xTechBOLT Prize Competition – Finalist.   **Amount: $35,000**
Enhancement of Classroom Medical Learning in the Army.
The purpose of this grant is to develop a proof of concept for the enhancement of medical learning via a novel non-invasive brain stimulation protocol.
Role: PI

2.) Curb Public Scholars Program   Period: 09/23/2020 – 09/23/2021
Vanderbilt Curb Center   **Amount: $2,000**
Visual and Written Narrative Storytelling of the Lived and Shared Experiences of Poverty
The purpose of this grant is to represent the experiences of individuals facing homelessness, and to promote these individuals' artistic works with Poverty and the Arts (POVA) in Nashville, TN.
Role: Consultant

3.) VR52660   Period: 03/29/2019-02/29/2020
Vanderbilt VICTR   **Amount: $2,000**
Individual differences in reading comprehension ability: an fMRI and EEG study
The purpose of this research grant is to support fMRI and EEG research examining sentence
comprehension processes in adults with varying reading comprehension ability.
Role: PI

4.) VR18122   Period: 06/16/2016-10/14/2016
Vanderbilt VICTR   **Amount: $2,000**
Listening and reading comprehension in adults and children
The purpose of this research grant is to support pilot fMRI data collection examining reading
comprehension of different types of texts in a range of readers populations.
Role: PI

Patents

1. Katherine S. Aboud & Laurie E. Cutting, "System, Method and Computer Program Product ofEnhanced Learning using Brain-guided Non-invasive Brain Stimulation." US Application 17/993,218 filed November 29, 2021. VU Invention VU22064.

Journal Articles

1. Katherine S. Aboud, Tin Q. Nguyen, Stephanie N. Del Tufo, Catie Chang, David H. Zald, Alexandra P. Key, Bennett A. Landman, Gavin R. Price & Laurie E. Cutting (2022). "Rapid interactions of widespread brain networks characterize semantic cognition." The Journal of Neuroscience. DOI: https://doi.org/10.1523/JNEUROSCI.0529-21.2022

2. Tin Q. Nguyen, Stephanie N. Del Tufo, Katherine S. Aboud & Laurie E. Cutting (2022)."Academic resilience: Protective role of the prefrontal cortex among children at lower socioeconomic circumstances." Manuscript under review.

3. Katherine S. Aboud (2019). "Where and when meaning occurs in the brain: Evidence for a neurobiological model of reading comprehension ability." (Doctoral dissertation). VanderbiltUniversity, Nashville, TN.

4. Katherine S. Aboud, Stephen Bailey, Stephanie Del Tufo, Laura A. Barquero & Laurie E. Cutting (2019). "Fairy tales versus Facts: Genre matters in the developing brain." Cerebral Cortex. DOI: 10.1093/cercor/bhz025.

5. Camilo Bermudez, Andrew J. Plassard, Shikha Chaganti, Yuankai Huo, Katherine S. Aboud, Laurie E. Cutting, Susan Resnick, & Bennett A. Landman (2019). "Anatomic Context Improves Deep Learning on Brain Age Estimation Task." Magnetic Resonance Imaging. DOI:10.1016/j.mri.2019.06.018.

6. Yuankai Huo, Zhoubing Xu, Yunxi Xiong, Katherine S. Aboud, Prasanna Parvathaneni, Shunzing Bao, Camilo Bermudez, Susan Resnick, Laurie Cutting & Bennett Landman (2019). "3D Whole Brain Segmentation using Spatially Localized Atlas Network Tiles." NeuroImage. DOI: 10.1016/j.neuroimage.2019.03.041.

7. Katherine S. Aboud, Yuankai Huo, Hakmook Kang, Ashley Ealey, Susan M. Resnick, Bennett A. Landman & Laurie E. Cutting (2018). "Structural covariance across the lifespan: Brain development and aging through the lens of inter-network relationships." Human BrainMapping. DOI: 10.1002/hbm.24359

8. Katherine S. Aboud*, Laura A. Barquero* (co-first) & Laurie E. Cutting (2018). "Prefrontal mediation of the reading network predicts intervention response in dyslexia." Cortex. DOI: 10.1016/j.cortex.2018.01.009

9. Stephen K. Bailey, Katherine S. Aboud, Tin Nguyen & Laurie E. Cutting (2018). "Applying anetwork framework to the neurobiology of reading and dyslexia." Journal of Neurodevelopmental Disorders. DOI: 10.1186/s11689-018-9251-z.

10. Katherine S. Aboud, Stephen K. Bailey, Stephen A. Petrill, & Laurie E. Cutting (2016). "Comprehending text versus recognizing words in young readers with varying reading ability: Distinct patterns of functional connectivity from common processing hubs." Developmental Science. DOI: 10.1111/desc.12422

11. Stephen K. Bailey; Fumiko Hoeft; Katherine E. Swett; & Laurie E. Cutting (2016). "Anomalous gray matter patterns in specific reading comprehension deficit are independent of dyslexia." Annals of Dyslexia. DOI: 10.1007/s11881-015-0114-y.

12. Siyuan Liu, Michael G. Erkkinen, Meghan Healey, Yisheng Xu, Katherine E. Swett, Ho MingChow, & Allen R. Braun (2015). "Brain activity and connectivity during poetry composition:Toward a multidimensional model of the creative process". Human Brain Mapping. DOI: 10.1002/hbm.22849.

13. Katherine E. Swett*, Amanda Miller* (co-first), Scott S Burns, Nicole Davis, Fumiko Hoeft, Stephen Petrill & Laurie E Cutting (2013). "Comprehending expository texts: The dynamic neurobiological correlates of building a coherent text representation". Frontiers in Human Neuroscience. DOI:10.3389/fnhum.2013.00853.

14. Siyuan Liu, Ho Ming Chow, Yisheng Xu, Michael G. Erkkinen, Katherine E. Swett, Michael W. Eagle, Daniel A. Rizik-Baer & Allen R. Braun (2012). "Neural Correlates of Lyrical Improvisation: an fMRI Study of Freestyle Rap". Scientific Reports (2) 834. Nov 2012; DOI:10.1038/srep008 34.

Conference Papers

1. Cailey I. Kerley, Leon Y. Cai, Chang Yu, Logan M. Crawford, Jason M. Elenberger, Eden S.Singh, Kurt G. Schilling, Katherine S. Aboud, Bennett A. Landman, Tonia S. Rex, "Joint analysis of connectivity and cortical surface features: correlates with mild traumatic brain injury." (2021 Feb) SPIE Medical Imaging. San Diego, CA.

2. Leon Y. Cai, Cailey I. Kerley, Chang Yu, Katherine S. Aboud, Lori L. Beason-Held, Andrea T. Shafer, Susan M. Resnick, Lori C. Jordan, Adam W. Anderson, Kurt G. Schilling, IlwooLyu, Bennett A. Landman. "Joint cortical surface and structural connectivity analysis of Alzheimer's Disease." SPIE Medical Imaging, 2021.

3. Yuankai Huo, Zhoubing Xu, Yunxi Xiong, Katherine S. Aboud, Prasanna Parvathaneni, Shunxing Bao, Camilo Bermudez, Susan M. Resnick, Laurie E. Cutting, and Bennett A. Landman. "Spatially Localized Atlas Network Tiles Enables 3D Whole Brain Segmentation from Limited Data". International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI), Granada, Spain, September 2018.

4. Yuankai Huo, <u>Katherine S. Aboud</u>, Hakmook Kang, Laurie E. Cutting, Bennett A. Landman, "Mapping Lifetime Brain Volumetry with Covariate-Adjusted Restricted Cubic Spline Regression from Cross-sectional Multi-site MRI". MICCAI, Athens, Greece, October 2016.

5. Yuankai Huo, <u>Katherine Swett</u>, Susan M. Resnick, Laurie E. Cutting, and Bennett A. Landman."Data driven Probabilistic Atlases Capture Whole-brain Individual Variation." In 1st MICCAIWorkshop on MAPPING, p. 7. 2015.

<u>Book Chapters</u>

1. <u>Katherine Swett</u>, Stephen K. Bailey, Angela Sefcik, & Laurie E. Cutting. "Neurobiological Correlates of Reading Disorders." *The Cambridge Handbook of Child Language, 2nd Edition*.Ed. Edith Baving and Letitia Naigles. Cambridge University Press, 2014.

2. Stephen K. Bailey, <u>Katherine Swett,</u> & Laurie E. Cutting. "Neurocognitive Basis of Sentence Comprehension in Dyslexia." *Wiley Handbook on the Cognitive Neuroscience of Developmental Dyslexia*. Ed. Guinevere Eden. Wiley, 2014.

3. Laurie E. Cutting, Stephen K. Bailey, Laura Barquero, & <u>Katherine S. Aboud</u>."Neurobiological Basis of Word Recognition and Reading Comprehension: Distinctions, Overlaps, and Implications for Instruction and Intervention." *Reading Intervention: From Research to Practice to Research.* Ed. Peggy McCardle and Carol MacDonald Connor.Brookes Publishing Co., 2014.

<u>Selected Abstracts</u>

1. Clair Min Kyung Hong & <u>Katherine S. Aboud</u>. "A real-time neurobiological model of discourse comprehension: a fused fMRI/EEG study." Cognitive Neuroscience Society. To be presented on March 2023. **Postdoctoral Fellow Award Winner**.

2. Clair Min Kyung Hong, Christine Chen, & <u>Katherine S. Aboud</u>. "Individualized non-invasive brain stimulation related to enhanced free recall in adult readers." Vanderbilt Kennedy Center Science Day. October 2022.

3. Clair Min Kyung Hong, Elijah Williams, Xiaodi Ruan, Christine Chen, & <u>Katherine S. Aboud</u>. "Learning from Factual Texts: The role of temporal context in recall." Vanderbilt Kennedy Center Science Day. October 2022.

4. Clair Min Kyung Hong & <u>Katherine S. Aboud</u>. "Rapid brain network exchanges support the learning of new scientific information: a high-resolution, fused MRI/EEG analytical framework." Poster presented at the Society for the Neurobiology of Language conference, October 2022.

5. <u>Katherine S. Aboud</u>, Andrea Burgess, & Laurie E. Cutting. "Prefrontal mediation of the reading and language network in first grade predicts longitudinal reading comprehensiongrowth." Virtual poster presented at the Society for Neuroscience, November 2021.

6. <u>Katherine S. Aboud</u>, Andrea Burgess, Laura Barquero, & Laurie E. Cutting. "Facilitative effects of text-based emotional salience in developmental RC brain circuits." Virtual posterpresented at the Society for the Scientific Study of Reading, July 2021.

7. <u>Katherine S. Aboud</u>, Tin Q. Nguyen, Stephanie N. Del Tufo, Catie Chang, David H. Zald, Alexandra P. Key, Bennett A. Landman, Gavin R. Price, & Laurie E. Cutting. "Rapid interactions of widespread brain networks characterize language comprehension ability." Virtual poster presented at the NIH Learning

Disability Hub Annual Meeting, January 2021.

8. <u>Katherine S. Aboud</u>, Tin Q. Nguyen, Stephanie N. Del Tufo, Catie Chang, David H. Zald, Alexandra P. Key, Bennett A. Landman, Gavin R. Price, & Laurie E. Cutting. "Cortical tracking of rapid meaning processes during language comprehension." Virtual poster presented at the Society for the Neurobiology of Language, November 2020.

9. <u>Katherine S. Aboud</u>, Stephen K. Bailey, Stephanie N. Del Tufo, Laura A. Barquero, & Laurie E. Cutting. "Fairy Tales versus Facts: Genre Matters to the Developing Brain." Poster presented at the LDRC annual meeting, Tallahassee, FL. December 2019.

10. <u>Katherine S. Aboud</u> & Laurie E. Cutting. "Spatiotemporal characteristics of semantic cognition: An fMRI and EEG study of sentence comprehension." Poster presented at Society for Neuroscience (SFN), San Diego, CA. November 2018.

11. <u>Katherine S. Aboud</u> & Laurie E. Cutting. "Early classroom exposure to expository texts predicts developmental trajectory of genre-related neural specialization." Poster presented at Neurobiology of Language, Baltimore, MD. November 2017.

12. <u>Katherine S. Aboud</u>; Stephen K. Bailey; Jonathan Scheff, & Laurie E. Cutting. "Text type matters during reading development: informational texts require specialized brain networks compared to stories". Poster presented at Cognitive Neuroscience Society, San Francisco, CA. March 2017.

13. <u>Katherine S. Aboud</u>; Laura A. Barquero, & Laurie E. Cutting. "The frontoparietal control network and intervention response in dyslexia: fMRI connectivity profiles of resilient readers". Poster presented at Vanderbilt Brain Institute Retreat, Nashville, TN. September 2016.

14. <u>Katherine S. Aboud</u>; Yuankai Huo; Hakmook Kang; Ashley Ealey; Bennett A. Landman, & Laurie E. Cutting. "Lifespan characterization of inter network structural covariance: a big-data cross-sectional MRI study". Poster presented at Cognitive Neuroscience Society, New York, NY. March 2016.

15. Laura A. Barquero; <u>Katherine S. Aboud</u>; Neena S. Hudson; & Laurie E. Cutting. "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. October 2015.

16. Yuankai Huo; <u>Katherine E. Swett</u>; Susan M. Resnick; Laurie E. Cutting; & Bennett A. Landman. "Data driven Probabilistic Atlases Capture Whole-brain Individual Variation". Paper presented at *MICCAI MAPPING Workshop*, Munich, Germany. October 2015.

17. <u>Katherine S. Aboud</u>; Laura A. Barquero; & Laurie E. Cutting. "Network predictions of reading intervention response: an fMRI study of children with reading difficulties". Poster presented at *Vanderbilt Kennedy Center Science Day*, Nashville, TN. August 2015.

18. <u>Katherine E. Swett</u>; Yuankai Huo.; Elyse Williams; Resnick, S; Bennett A. Landman; & Laurie E. Cutting. "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. April 2015.

19. <u>Katherine E. Swett</u>; Stephen K. Bailey**;** Laura Barquero; Scott S. Burns; and Laurie E. Cutting. (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, Washington, DC. October 2014.

20. Yisheng Xu; <u>Katherine E. Swett</u>; Nuria Y. Abdulsabur; Michael G. Erkkinen, M. G.; Raymond A. Mar.; Siyuan Liu, S. Marenco; & Allen R. Braun (2014, November). Brain's deactivation state and dynamical complexity predict the engaging quality of creative language production. Poster presented at the *Society for Neuroscience* annual meeting, Washington, DC. October 2014.

21. Laura A. Barquero; <u>Katherine E. Swett</u>; Stephen K. Bailey; Scott S. Burns, & Laurie E. Cutting.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, Washington, DC. October 2014.

22. <u>Katherine E. Swett</u>, Stephen K. Bailey, Fumiko Hoeft, Scott Burns, Laurie E. Cutting "Structural Neurobiological Differences in Children with Dyslexia and Specific Reading Comprehension Deficits" *Cognitive Neuroscience Society*. April 2014.

23. <u>Katherine E. Swett</u>, Stephen K. Bailey, Scott Burns, Angela Sefcik, Laura A. Barquero; Laurie E. Cutting. "Expository Text Comprehension and Executive Function: an fMRI study of adolescent reading" *Vanderbilt Kennedy Center Science Day*. January 2014.

24. <u>Katherine E. Swett</u>, Yisheng Xu, Siyuan Liu, Nuria Abdulsabur, Daniel Abraham, Allen R. Braun. "Language as improvisation: an fMRI study of spontaneous storytelling" *NIDCD DIRRetreat.* May 2013.

25. Siyuan Liu, Meghan Healey, Mike Erkkinen, <u>Katherine E. Swett</u>, Yisheng Xu, Allen R. Braun"Defining the neural correlates of multi-stage creativity: an fMRI study of spontaneous poetryproduction" *NIDCD DIR Retreat.* May 2013.

26. <u>Katherine E. Swett</u>, Colin W. Hoy, Yisheng Xu, Allen R. Braun "Disfluency during spontaneous narrative production: an fMRI study" *NIH Summer Poster Day*. August 2011.

Selected Invited Talks

1. <u>Katherine S. Aboud.</u> "Individualized, brain-guided characterization and treatment of reading disorders in adults." Invited talk, DANE Lab, University of Delaware.

2. <u>Katherine S. Aboud.</u> "Individualized, brain-guided enhancement of classroom learning in the Army." Presented at xTech Brain Symposium, AUSA, October 10th, 2022.

3. <u>Katherine S. Aboud.</u> "The use of real-time brain imaging to guide enhanced real-world learning via non-invasive brain stimulation." Presented at the Vanderbilt Brain Institute Retreat, September 29th, 2022.

4. <u>Katherine S.</u> Aboud. "Finding your hero's journey." Presented Miss Amazing Annual National Workshop, Vanderbilt University, Nashville, TN, July 20th, 2022.

5. <u>Katherine S. Aboud</u>, Micah D'Archangel, Christine Chen, Joey Lu, Caroline Curran, Brandon Hulette, Doug Adams, Jay Harrison, Liane Moneta-Koehler, Abhishek Datta, Yishai Valter, & Laurie E. Cutting. "Medical Learning Enhancement Using Brain-Guided, Individualized Non-invasive Brain Stimulation." Presented at Interservice/Industry Training, Simulation and Education Conference (I/ITSEC), December 1st, 2021. **Winner of 1st place prize in xTech BOLT Prize Competition**, U.S. Army Medical Research and Development Command.

6. <u>Katherine S. Aboud</u> & Laurie E. Cutting. "Learning enhancement in the individual Soldier." Invited demo for Vanderbilt's Soldier-inspired Innovation Incubator, U.S. Army Special Opsvisit, Vanderbilt University. August 30th, 2021.

7. <u>Katherine S. Aboud</u>. "Cortical tracking of rapid meaning processes during language comprehension." Invited talk Outstanding Scholar of Neuroscience Award Program, NationalInstitutes of Health, Virtual. October 27th, 2020.

8. <u>Katherine S. Aboud</u>. "Individual differences in reading comprehension ability: an fMRI/EEGstudy of semantic cognition." Invited talk at the Brain and Education Lab, University of Leiden, Leiden, Netherlands. December 4, 2019.

9. <u>Katherine S. Aboud</u>, Stephen K. Bailey, Stephanie N. Del Tufo, Laura A. Barquero & Laurie E. Cutting. "Fairy Tales versus Facts: Genre matters to the developing brain." In **K.S. Aboud (Chair)**, *The interaction of domain-general mechanisms and reading development: from word to text*. Symposium conducted at the meeting of the Society for the Scientific Study ofReading (SSSR), Toronto, CA. July 18, 2019.

10. <u>Katherine S. Aboud</u>. "What neuroscience research has to tell us about learning and the brain." AAPM Workshop on Improving the Teaching and Mentoring of Medical Physics,Nashville, TN. July 26, 2018.

11. <u>Katherine S. Aboud</u>. "How do we build meaning from texts? An fMRI study of adult sentence reading." Vanderbilt University Institute of Imaging Science Retreat, VanderbiltLaw School. June 8, 2018. **Winner of Best Oral Presentation**.

12. <u>Katherine S. Aboud</u>, Hakmook Kang & Laurie E. Cutting. "Brain Development and Agingthrough the Lens of Inter-Network Relationships: Application of Statistical Methods to Neuroimaging Data." Biostatistics and Bioinformatics Core Seminar, Vanderbilt KennedyCenter. April 9, 2018.

13. <u>Katherine S. Aboud</u>. "Meaning and the brain: Finding the neural patterns of sentence comprehension." Neuroscience Graduate Program Research Forum—Nano-Symposium.September 20, 2017. **Winner of Best Oral Presentation**.

14. <u>Katherine S. Aboud</u>. "Reading and your brain: A symphony of neural signals." VanderbiltBrain Blast Community Brown Bag. March 8, 2017.

15. <u>Katherine S. Aboud</u>. "Shakespeare versus Newton: Text type matters in the brains of developing readers." Neuroscience Graduate Program Research Forum—Nano-Symposium.January 25, 2017.

16. <u>Katherine Swett</u>, Stephen K. Bailey, Laura A. Barquero & Laurie E. Cutting. "Functional Networks of Adolescent Reading Comprehension Ability." Vanderbilt University Institute ofImaging Sciences Neuroimaging Seminar. March 16, 2015.

C. TEACHING ACTIVITIES

Courses and Lectures

Fall 2010/2011   Instructor
                                                                                              Composition
                                                                                              George Mason University
                                                                                              Fairfax, VA

Spring 2011	Instructor *Reading and Writing about Texts* George Mason University Fairfax, VA
Fall 2018	Guest Lecturer and TA *Reading Methods for Students with Severe and* *Persistent Academic andBehavior Difficulties.* "Reading in the Brain" Vanderbilt University Nashville, TN
Spring 2019	Guest Lecturer *Quantitative Imaging* "Multivariate Voxel Pattern Analysis" Vanderbilt University Nashville, TN

<u>Formal Pedagogical Training</u>
Spring 2009   *Composition Instruction*
Fall 2010   *Teaching Reading of Literature*

<u>Mentoring</u>

High School Students
　　　Mary Sophia Rich (Summer internship; Vanderbilt)

Undergraduate Students and Research Assistants
　　　Matt L'Etoile (Research assistant; NIH)
　　　Brooke Crowder (Research assistant; Vanderbilt)
　　　Elyce Williams (BP-ENDURE diversity program; Vanderbilt)
　　　Ashley Ealey (BP-ENDURE diversity program; Vanderbilt)
　　　Caroline Curran (Research rotation; Vanderbilt)
　　　Joey Lu (Research rotation; Vanderbilt)
　　　Adam Nassar (Research rotation; Vanderbilt)
　　　Brooke Schnitzlein (Research rotation; Vanderbilt)
　　　Ashley Jenkins (Research rotation; Vanderbilt)

Masters and PhD Students
　　　Darren Yeo (Masters; Vanderbilt)
　　　Jonathan Scheff (Masters; Vanderbilt)
　　　Andrea Burgess (PhD student; Vanderbilt)
　　　Tin Nguyen (PhD student; Vanderbilt)
　　　Christine Chen (Master's; Vanderbilt University)
　　　Cailey Kerley (PhD; Vanderbilt University)

Postdoctoral Fellows
　　　Clair Hong (Postdoctoral Fellow; Vanderbilt)

D. PROFESSIONAL

Professional Societies
  Society for the Scientific Study of Reading
  Cognitive Neuroscience Society
  Society for the Neurobiology of Language
  Society for Neuroscience

Editorial Activities
  Mind, Brain, and Education (Manuscript Reviewer)
  Scientific Study of Reading (Manuscript Reviewer)
  Developmental Science (Manuscript Reviewer)
  Brain Research (Manuscript Reviewer)
  Brain Imaging and Behavior (Manuscript Reviewer)
  IEEE (Manuscript Reviewer)
  Journal of Neurolinguistics (Manuscript Reviewer)
  Developmental Cognitive Neuroscience (Manuscript Reviewer)
  Scientific Reports (Manuscript Reviewer)
  PLOS ONE (Manuscript Reviewer)