

CURRICULUM VITAE
Stefanie E. Kuchinsky, Ph.D.

Audiology and Speech Pathology Center
Walter Reed National Military Medical Center
4954 North Palmer Road, Bldg. 19, Room 5605
Bethesda, MD 20889

Phone: 301-295-1120
stefanie.e.kuchinsky.civ@mail.mil

ACADEMIC POSITIONS

- 2018-Present Research Investigator
Audiology and Speech Pathology Center, Walter Reed National Military Medical Center,
Bethesda, MD
- 2014-2018 Research Assistant Professor
Maryland Neuroimaging Center, University of Maryland, College Park, MD
- 2013-2018 Assistant Research Scientist
Center for Advanced Study of Language, University of Maryland, College Park, MD
- 2009-2013 Postdoctoral Scholar
Mentors: Mark A. Eckert, Ph.D. and Judy R. Dubno, Ph.D.
Hearing Research Program, Medical University of South Carolina, Charleston, SC

EDUCATION

- 2006-2009 Ph.D. in Psychology (Cognitive Division)
Minor in Linguistics/Developmental Psychology
Dissertation: From Seeing to Saying: Perceiving, Planning, Producing
Mentor: Kathryn Bock, Ph.D.
University of Illinois, Urbana, IL
- 2003-2006 M.A. in Psychology (Cognitive Division)
Thesis: Shaping the Link Between Seeing and Saying
Mentor: Kathryn Bock, Ph.D.
University of Illinois, Urbana, IL
- 1999-2003 B.A. (summa cum laude) in Psychology (with highest honors for thesis) and in Linguistics &
Cognitive Science
Thesis: Adult Aging and Running Memory Span for Spoken Discourse
Mentor: Arthur Wingfield, D.Phil.
Brandeis University, Waltham, MA

HONORS AND AWARDS

- 2017 Named "Rising Star" at AGS/NIA U13 workshop: *Sensory Impairment & Cognitive Decline*
- 2013-5, 2016-7 NIH Loan Repayment Program Award [NIDCD L30 DC013451]
- 2011 Student travel scholarship for the Aging and Speech Communication Conference
- 2006 Named to University of Illinois' "Incomplete List of Teachers Ranked as Excellent"
- 2006 Higginson Summer Research Award
- 2005 National Science Foundation's Language Training Grant Traineeship
- 2003-2004 National Science Foundation's Graduate Fellowship Honorable Mention
- 2003 Phi Beta Kappa; Psi Chi; Morris Homonoff Prize in Yiddish
- 2003 Student speaker at Psychology and Linguistics departments' commencement

- 2002 National Science Foundation's Integrative Graduate Education and Research Traineeship (IGERT) Summer Fellow in Neuroscience at Brandeis University
1999-2003 Justice Louis D. Brandeis Scholar; Brandeis University Dean's List

CURRENT GRANT SUPPORT

- NIH/NIA P01, *Neuroplasticity in Auditory Aging*, P01 AG055365, Role: co-I, 09/15/2017-05/31/2022
NIH/NIDCD, *Understanding and indexing the neural bases of listening effort*, R03 DC015059, Role: PI 07/06/2016-06/30/2020
DARPA, *Targeted Neuroplasticity Training (TNT): Enhancing auditory and linguistic learning through peripheral nerve stimulation*, Role: co-PI, 04/18/2017-04/17/2021

COMPLETED GRANT SUPPORT

- Brain and Behavior Initiative (UMD seed grant), *The impact of meditation experience on the brain-body connection: Behavioral, physiological, and neural measures of stress-resilience*, Role: co-PI, 05/01/2017-12/31/2018

PUBLICATIONS

Peer Reviewed

- Ogg, M., Moraczewski, D., **Kuchinsky, S. E.**, & Slevc, L. R. (2019). Separable neural representations of sound sources: Speaker identity and musical timbre. *Neuroimage*, *191*, 116-126.
- Winn, M. B., Wendt, D., Koelewijn, T., & **Kuchinsky, S. E.** (2018). Best practices and advice for using pupillometry to measure listening effort: An introduction for those who want to get started. *Trends in Hearing*, *22*, 233121651880086.
- McGarrigle, R., Dawes, P., Stewart, A. J., **Kuchinsky, S. E.**, & Munro, K. J. (2017). Measuring listening-related effort and fatigue in school-aged children using pupillometry. *Journal of Experimental Child Psychology*, *161*, 95-112.
- McGarrigle, R., Dawes, P., Stewart, A. J., **Kuchinsky, S. E.**, & Munro, K. J. (2017). Pupillometry reveals changes in physiological arousal during a sustained listening task. *Psychophysiology*, *54*, 193-203.
- Vaden Jr. K. I., **Kuchinsky, S. E.**, Ahlstrom, J. B., Teubner-Rhodes, S. E., Dubno, J. R., & Eckert, M. A. (2016). Cingulo-opercular function during word recognition in noise for older adults with hearing loss. *Experimental Aging Research*, *42*(1), 67-82. PMID: 26683042
- Kuchinsky, S. E.**, Vaden Jr., K. I., Ahlstrom, J. B., Cute, S. L., Humes, L. E., Dubno, J. R., & Eckert, M. A. (2016). Task-related vigilance during word recognition in noise for older adults with hearing loss. *Experimental Aging Research*, *42*(1), 50-66. PMID: 26683041
- Konopka, A. E. & **Kuchinsky, S. E.** (2015). How message similarity shapes the timecourse of sentence formulation. *Journal of Memory and Language*, *84*, 1-23.
- Vaden Jr., K. I., **Kuchinsky, S. E.**, Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2015). Cortical activity predicts which older adults recognize speech in noise and when. *Journal of Neuroscience*, *35*(9), 3929-3937. PMID: 25740521
- Kuchinsky, S. E.**, Ahlstrom, J. B., Cute, S. L., Humes, L. E., Dubno, J. R., & Eckert, M. A. (2014). Speech-perception training for older adults with hearing loss impacts word recognition and effort. *Psychophysiology*, *51*(10), 1046-1057. PMID: 24909603
- Vaden Jr., K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2013). The cingulo-opercular network provides word recognition benefit. *Journal of Neuroscience*, *33*(48), 18979-

18986. PMID: 24285902

Eckert, M. A., **Kuchinsky, S. E.**, Vaden Jr., K. I., Cute, S. L., Spaminato, M. V., & Dubno, J. R. (2013).

White matter hyperintensities predict low frequency hearing in older adults. *Journal of the Association for Research in Otolaryngology*, *14*(3), 425-433. PMID: 23512682

Kuchinsky, S. E., Ahlstrom, J. B., Vaden Jr., K. I., Cute, S. L., Humes, L. E., Dubno, J. R., & Eckert, M.A.

(2013). Pupil size varies with word listening and response selection difficulty in older adults with hearing loss. *Psychophysiology*, *50*(1), 23-34. PMID: 23157603

Eckert, M. A., Cute, S. L., Vaden Jr., K. I., **Kuchinsky, S. E.**, & Dubno, J. R. (2012). Auditory cortex signs

of age-related hearing loss. *Journal of the Association for Research in Otolaryngology*, *13*(5), 703- 713. PMID: 22618352

Kuchinsky, S. E., Vaden Jr., K. I., Keren, N. I., Harris, K. C., Ahlstrom, J. B., Dubno, J. R., & Eckert, M.

A., (2012). Word intelligibility and age predict visual cortex activity during word listening. *Cerebral Cortex*, *22*, 1360-1371. PMID: 21862447

Vaden, Jr., K. I., Gebregziabher, M., **Kuchinsky, S. E.**, & Eckert, M.A. (2012). Multiple imputation of

missing fMRI data in whole brain analysis. *NeuroImage*, *60*, 1843-1855. PMID: 22500925

Vaden, Jr., K. I., **Kuchinsky, S. E.**, Keren, N. I., Harris, K. C., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A.

(2011). Inferior frontal sensitivity to common speech sounds is amplified by increasing word intelligibility. *Neuropsychologia*, *49*, 3563-2572. PMID: 21925521

Kuchinsky, S. E., Bock, K., & Irwin, D. E. (2011). Reversing the hands of time: Changing the mapping from

seeing to saying. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *37*, 748-756. PMID: 21534707

Fallon, M., **Kuchinsky, S.**, & Wingfield, A. (2004). The salience of linguistic clauses in young and older

adults' running memory for speech. *Experimental Aging Research*, *30*, 359-371. PMID: 15371100

Manuscripts in Progress

Hsu, N. S., **Kuchinsky, S. E.**, & Novick J. M. (under revision). Tending the garden-path: A causal influence of domain-general cognitive control on sentence revision. *Journal of Experimental Psychology: General*.

Burg, E., Thakkar, T., Fields, T. Misurelli, S. M., **Kuchinsky, S. E.**, & Litovsky, R. Y. (in prep.).

Comparison of trial exclusion criteria for pupillometric analysis of listening effort.

Kuchinsky, S. E., Pandža, N. B., & Haarmann, H. J. (in prep.). Individual differences in mindfulness

modulate cognitive control-related activity during lexical-semantic categorization.

Kuchinsky, S. E., Razeghi, N., & Pandža, N. B. (in prep.). Objective measures of listening effort vary with

perceptual and multi-tasking demands.

Other Publications: Book Chapters, Conference Proceedings, Professional Magazines

Kuchinsky, S. E. & Vaden Jr., K. I. (accepted). Aging, hearing loss, and listening effort: Imaging studies of the aging listener. To appear in: K. Helfer, E. Bartlett, A. N. Popper, & R. R. Fay (Eds.), *The Aging Auditory System*. New York: Springer.

Kuchinsky, S. E. & Haarmann, H. J. (in press). Neuroscience perspectives on cognitive training. To appear

in: M. Bunting, J. Novick, M. Dougherty, & R. W. Engle (Eds.), *An Integrative Approach to Cognitive and Working Memory Training: Perspectives from Psychology, Neuroscience, and Human Development*. New York: Oxford University Press.

Kuchinsky, S. E., Pandža, N. B., & Haarmann, H. J. (2016). Linking indices of tonic alertness: Resting-state

pupil dilation and cingulo-opercular neural activity. In D. D. Schmorrow & C. M. Fidopiastis (Eds.), *LNAI: Vol. 9743. Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience* (pp. 218-230). Switzerland: Springer. DOI: 10.1007/978-3-319-39955-3_21

Kuchinsky, S. E., Eckert, M. A., & Dubno, J. R. (2011, Jan/Feb). The eyes are the windows to the ears: Pupil size reflects listening effort. *Audiology Today*, 23, 56-59.

Technical Reports

Phillips, I., Pandža, N. B., Karuzis, V. P., Turner, M. S., McConnel, S. E., Lee, J. G. W., O'Rourke, P., & **Kuchinsky, S. E.** (2019). *tVNS-potentiated short-term neuroplasticity in Chinese Mandarin lexical tone learning: A final report*. (Technical Report CV 306 Obj. 3.1.2.1.2.2). College Park, MD: University of Maryland Applied Research Laboratory for Intelligence and Security.

Kuchinsky, S. E., Karuzis, V. P., Pandža, N. B., Lee, J. G. W., O'Rourke, P. (2018). *tVNS-potentiated short-term neuroplasticity in Chinese Mandarin lexical tone learning: An interim report*. (Technical Report CV 306 Obj. 3.1.2.1.2.1). College Park, MD: University of Maryland Center for Advanced Study of Language.

Kuchinsky, S. E., Hsu, N. S., Pandža, N. B., Brown, N. T., Romberg, A. R., Karuzis, V. P., Novick, J. M., & Haarmann, H. J. (2015). *Neuroimaging approaches to cognitive readiness* (Technical Report DO 0054 Obj. 2.7). College Park, MD: University of Maryland Center for Advanced Study of Language.

Romberg, A. R., Haarmann, H. J., **Kuchinsky, S. E.,** Li, L., Testut, A., & Robinson, E. (2015). *The role of mind-wandering in analyst-relevant task performance: Evidence from a dual-blind meditation study* (Technical Report DO 0054 Obj. 2.6). College Park, MD: University of Maryland Center for Advanced Study of Language.

Haarmann, H. J., Romberg, A. R., **Kuchinsky, S. E.,** Karuzis, V. P., Pandža, N. B., Davey, N. S., & Cushen, P. J. (2015). *Using mindfulness training to improve cognition: Increasing time-on-task and improving stress resilience* (Technical Report DO 0054 Obj. 2.2). College Park, MD: University of Maryland Center for Advanced Study of Language.

PRESENTATIONS

Invited Colloquia

National and International

Kuchinsky, S. E. (2016, September). *Exploring the multidimensional nature of listening effort: Developing objective measures*. Department of Communication Sciences and Disorders Seminar Series, University of Wisconsin, Madison, WI.

Kuchinsky, S. E. (2015, April). *Pupillometric indices of listening effort in older adults with hearing loss*. Audiology and Deafness Oticon Research Seminar Series, University of Manchester, Manchester, UK.

Kuchinsky, S. E. (2014, October). *Listening effort in older adults with hearing loss*. Aging & Development Brownbag series, Washington University, St. Louis, MO.

Kuchinsky, S. E. (2014, July). *Assessing variation in cognitive demands during speech recognition*. A Festschrift for Art Wingfield: Age, Hearing, and Speech Comprehension, Brandeis University, Waltham, MA.

Kuchinsky, S. E. (2010, November). *Look before you speak: The impact of perceptual, lexical, and conceptual accessibility on word ordering*. Center for Research on Language at the University of California, San Diego, CA.

Kuchinsky, S. E. (2009, January). *From seeing to saying: Eyetracking as a tool for investigating language production*. Sandia National Laboratories' Science and Engineering Expo, Albuquerque, NM.

Local

Kuchinsky, S. E., (2016, June). *Understanding and indexing the neural bases of listening effort*. Audiology and Speech Center Research Seminar Series, Walter Reed National Military Medical Center, Bethesda, MD.

- Kuchinsky, S. E.** (2014, February). *Understanding difficulty: Indicators of cognitive demands during speech recognition*. Department of Hearing and Speech Sciences seminar series, University of Maryland, College Park, MD.
- Kuchinsky, S. E.** (2014, February). *Neuroimaging and pupillometric indices of cognitive demands during language processing*. LingBrains seminar, University of Maryland, College Park, MD.
- Kuchinsky, S. E.** (2013, February). *The relation between attention and speech recognition in older adults with hearing loss*. Center for Cognitive Neuroscience Meeting, Medical University of South Carolina, Charleston, SC.
- Kuchinsky, S. E.** (2011, September). *Evaluation of pupil size as an indicator of listening effort*. Hearing Science Interest Group Meeting, Medical University of South Carolina, Charleston, SC.
- Kuchinsky, S. E.** (2010, June). *Age-related changes in cross-modal signaling: A scaffold for remediation*. Hearing Science Interest Group Meeting, Medical University of South Carolina, Charleston, SC.
- Kuchinsky, S. E.** (2006, April). *Shaping the link between seeing and saying*. Cognitive Division Brownbag Colloquium, University of Illinois, Urbana, IL.
- Kuchinsky, S. E.** & Bock, J. K., (2004, October). *Priming time: An examination of sentence frame development through structural priming of time expressions*. Cognitive Division Brownbag Colloquium, University of Illinois, Urbana, IL.

Conference and Workshop Talks

- Kuchinsky, S. E.** (2019, July). Acoustic, linguistic, and cognitive factors impact effortful listening: Implications for cochlear implant users. Invited talk to be presented at the Conference on Implantable Auditory Prostheses (CIAP). Lake Tahoe, CA.
- Milvae, K. D., **Kuchinsky, S. E.**, & Goupell, M. J. (2019, July). Dichotic listening performance and effort in bilateral cochlear-implant and normal-hearing listeners. Talk to be presented at the Conference on Implantable Auditory Prostheses (CIAP). Lake Tahoe, CA.
- Pandža, N. B., Phillips, I., Karuzis, V. P., O'Rourke, P., & **Kuchinsky, S. E.** (2019, June). *Non-invasive neurostimulation differentially affects cognitive effort in the processing of L2 Mandarin tone*. Talk to be presented at the International Symposium on Bilingualism. Edmonton, Alberta, Canada.
- Pandža, N. B., Karuzis, V. P., O'Rourke, P., & **Kuchinsky, S. E.** (2019, March). *Simply stimulating: How non-invasive neurostimulation can support learning vocabulary with linguistic tone*. Talk presented at the American Association for Applied Linguistics Conference, Atlanta, GA.
- Kuchinsky, S. E.**, Rose, J. S., Rosenberg, R. N., & Marshall-Cort, A. L. (2019, February). *Examining the relationship between pupillary and neural indices of effortful listening*. Talk presented at the MidWinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.
- Brodbeck, C., Presacco, A., **Kuchinsky, S. E.**, Anderson, S., & Simon, J. Z. (2019, February). *Increased speech representation in older adults originates from early response in higher order auditory cortex*. Talk presented at the MidWinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.
- Milvae, K. D., **Kuchinsky, S. E.**, Stakhovskaya, O. A., & Goupell, M. J. (2019, February). *The effect of spectral resolution on dichotic listening performance and effort*. Talk presented at the MidWinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.
- Misurelli, S., Burg, E., Thakkar, T., Fields, T., **Kuchinsky, S. E.**, & Litovsky, R. (2019, February). *Pupillary studies in individuals with single-sided deafness: Impact of trial inclusion criteria*. Poster to be presented at the MidWinter meeting of the Association for Research in Otolaryngology, Baltimore, MD.

- Brodbeck, C., Presacco, A., **Kuchinsky, S. E.**, Anderson, S., & Simon, J. Z. (2018, September). *Origins of cortical over-representation of speech in older adults*. Poster presented at the Auditory SPLASH Conference. Philadelphia, PA.
- Pandža, N. B., Karuzis, V. P., O'Rourke, P., & **Kuchinsky, S. E.** (2018, September). *Brain stimulation and Mandarin tone learning*. Languages of Asia LEARN Workshop. Rockville, MD.
- Milvae, K. D., **Kuchinsky, S. E.**, Stakhovskaya, O. A., & Goupell, M. J. (2018, May). *Dichotic listening performance and listening effort for asymmetrical inputs*. Invited presentation at the annual meeting of the Acoustical Society of America, Minneapolis, MN.
- Kuchinsky, S. E.** (2018, March). *Effortful listening: The impact of cognitive demands on speech recognition*. Invited keynote presentation at the Joint Defense Veterans Audiology Conference (JDVAC), Atlanta, GA.
- Kuchinsky, S. E.** (2017, September). *Listening effort as a multidimensional construct: Insights from aligned pupillometry and neuroimaging methods*. Invited keynote speaker at the Second Summer Workshop on the Application of Pupillometry in Hearing Science to Assess Listening Effort, VU University Medical Center, Amsterdam, The Netherlands.
- Kuchinsky, S. E.** (2017, June). *Neuroscience approaches to understanding cortical changes with hearing loss*. Invited speaker at the IX International Workshop on Advances in Audiology, University of Salamanca, Spain.
- Kuchinsky, S. E.** (2016, September). *Assessing listening effort: Theoretical and methodological considerations*. Invited panel member and speaker at the World Congress of Audiology, Vancouver, BC.
- Kuchinsky, S. E.**, Pandža, N. B., & Haarmann, H. J. (2016, July). *Linking indices of tonic alertness: Resting-state pupil dilation and cingulo-opercular neural activity*. Invited speaker at the Human Computer Interaction International Conference, Toronto, ON.
- Kuchinsky, S. E.**, Dubno, J. R., & Eckert, M. A. (2016, May). *Advances in quantifying listening effort: Growth curve analyses of pupillometry data*. Invited speaker at the spring meeting of the Acoustical Society of America, Salt Lake City, UT.
- Kuchinsky, S. E.**, Ahlstrom, J. B., Cute, S. L., Humes, L. E., Dubno, J. R., & Eckert, M. A. (2015, June). *Pupillometry studies of listening effort: Theoretical and methodological considerations*. Invited speaker at the Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Kuchinsky, S. E.**, Vaden Jr., K. I., Ahlstrom, J. B., Cute, S. L., Humes, L. E., Dubno, J. R., & Eckert, M. A. (2015, June). *Task-evoked arousal during speech recognition in noise for older adults with hearing loss*. Talk presented at the Third International Conference on Cognitive Hearing Science for Communication, Linköping, Sweden.
- Kuchinsky, S. E.**, Ahlstrom, J. B., Franko-Tobin, E., & Dubno, J. R. (2015, May). *Task demands and cognitive abilities impact listening effort for older adult hearing aid users*. Invited speaker at the spring meeting of the Acoustical Society of America, Pittsburgh, PA.
- Vaden Jr., K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2014, November). *The cingulo-opercular networks supports word recognition in noise for older adults*. Nanosymposium presentation at the Society for Neuroscience Conference, Washington, DC.
- Eckert, M. A., Dubno, J. R., Harris, K. C., **Kuchinsky, S. E.**, Vaden Jr., K. I. (2013, October). *The importance of adaptive control during word recognition*. Talk presented at the Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Konopka, A. E., **Kuchinsky, S. E.**, & Meyer, A. S. (2013, March). *Does message similarity facilitate sentence formulation?* Talk presented at the Annual International Symposium of Psycholinguistics, Canary Islands, Spain.
- Gebregziabher, M., Vaden, K. I., **Kuchinsky, S. E.**, & Eckert, M. A. (2012, August). *Dealing with missing*

fMRI data in whole-brain analysis. Talk presented at Annual Joint Statistical Meetings, San Diego, CA.

Kuchinsky, S. E. (2012, March). *Neuroimaging studies of hearing loss and hearing-loss intervention*.

Invited speaker at the Annual Meeting of Frontiers in Neuroscience Research Day: Neurodegenerative Disorders, Seabrook, SC.

Kuchinsky, S. E. & Bock, K. (2010, March). *From seeing to saying: Perceiving, planning, producing*. Talk presented at the Annual CUNY Conference on Human Sentence Processing, New York, NY.

Kuchinsky, S. E. (2009, May). *Instant messaging: A new method for collecting and analyzing errors in language production*. Talk presented at the Annual Meeting of the Illinois Language and Linguistics Society, Urbana-Champaign, IL.

Kuchinsky, S. E., Bock, J. K., & Irwin, D. E. (2005, May). *Priming time: An examination of sentence frame development through structural priming of time expressions*. Talk presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Conference Posters

Phillips, I., Karuzis, V. P., Pandža, N. B., O'Rourke, P., & **Kuchinsky, S. E.** (2019, May). Short-term transcutaneous vagus nerve stimulation (tVNS) reduces cognitive anxiety and negative affect for healthy subjects. Poster presented at the Annual Convention of the Association for Psychological Science, Washington, DC.

Kulasingham, J. P., Brodbeck, C., Presacco, A., **Kuchinsky, S. E.,** Anderson, S., & Simon, J. Z. (2019, May). High frequency time locking in auditory cortex to continuous speech. Poster presented at the International Workshop on Statistical Analysis of Neuronal Data (SAND), Pittsburgh, PA.

Hsu, N. S., **Kuchinsky, S. E.,** Novick, J. (2019, March). *A causal influence of domain-general cognitive control on sentence comprehension*. Poster presented at the Annual CUNY Conference on Human Sentence Processing, Boulder, CO.

Brungart, D. S., Eitel, M., Cohen, J., Schurman, J., Jenkins, K., Zaleski-King, A., Kokx-Ryan, M., Lange, R. T., French, L. M., Brickell, T. A., Lippa, S. M., & **Kuchinsky, S. E.** (2019, March). *Objective and subjective auditory effects in a longitudinal study of service members with Traumatic Brain Injury and blast exposure*. Poster presented at the National Capital Area TBI Research Symposium. Bethesda, MD.

Ogg, M., Moraczewski, D. **Kuchinsky, S. E.,** & Slevc, L. R. (2017, November). *Examining the neural representations of auditory objects: Speaker identify and musical instrument timbre*. Advances and Perspectives in Auditory Neuroscience Annual Symposium, Washington, D.C.

Kuchinsky, S. E., Presacco, A., Anderson, S., Simon, J. Z. (2017, February). *Auditory-cognitive training alters the neural encoding of speech for older adults with normal hearing*. Annual MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.

Hsu N. S., **Kuchinsky S. E.,** Thomas A., Novick J. M. (2016, November). *Cognitive control engagement from a nonlinguistic source can ease processing along the garden path*. Annual Meeting of the Psychonomic Society, Boston, MA.

Romberg, A. R., Haarmann, H. J., **Kuchinsky, S. E.,** Karuzis, V. P., Pandža, N. B., Davey, N. S., & Cushen, P. J. (2015, November). *Attention monitoring during mindfulness training reduces mind-wandering and increases stress resilience*. Annual Meeting of the Psychonomic Society, Chicago, IL.

Pandža, N. B., **Kuchinsky, S. E.,** Karuzis, V. P., Haarmann, H. J. (2015, October). *Mindfulness modulates cognitive control during lexical-semantic categorization: fMRI evidence*. Annual Meeting of the Society for the Neurobiology of Language, Chicago, IL.

Vaden Jr., K. I., **Kuchinsky, S. E.,** Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2014, June). *Cingulo-opercular network support for word recognition by older adults*. International Society for Magnetic

- Resonance in Medicine Workshop on Functional MRI: Emerging Techniques & New Interpretations, Charleston, SC.
- Vaden Jr., K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2013, November). *Engagement of the cingulo-opercular system enhances future word recognition*. Neurobiology of Language Conference, San Diego, CA.
- Vaden Jr., K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2013, October). *Cingulo-opercular activity predicts subsequent word recognition*. Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Konopka, A. E., **Kuchinsky, S. E.**, & Meyer, A. S. (2013, March). *Does message similarity facilitate sentence formulation?* Annual CUNY Conference on Human Sentence Processing, Columbia, SC.
- Kuchinsky, S. E.**, Vaden, K. I., Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2013, February). *Word recognition benefit from attention systems in older adults with hearing loss*. Annual MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.
- Vaden, K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M.A. (2012, October). *Anterior insula and frontal operculum support word recognition in younger and older adult*. Annual Meeting of the Society for Neuroscience, New Orleans, LA.
- Vaden, K.I., Gebregziabher, M., **Kuchinsky, S. E.**, & Eckert, M. A. (2012, March). *Multiple imputation toolkit for group level fMRI statistics*. Annual Frontiers in Neuroscience Research Day: Neurodegenerative Disorders, Seabrook, SC.
- Kuchinsky, S. E.**, Dubno, J. R., Humes, L. E., Ahlstrom, J. B., Cute, S. L., & Eckert, M. A. (2011, October). *Evaluation of pupil size as an indicator of listening effort*. Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Vaden, Jr., K. I., **Kuchinsky, S. E.**, Cute, S. L., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2011, October). *An fMRI study of age-related changes in sustained attention and word recognition*. Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Ahlstrom, J. B., Eckert, M. A., Humes, L. E., Cute, S. L., **Kuchinsky, S. E.**, & Dubno, J. R. (2011, October). *Benefits of speech-perception training for older adults with hearing loss*. Biennial Aging and Speech Communication Conference, Bloomington, IN.
- Kuchinsky, S. E.**, Vaden, Jr., K. I., Keren, N. I., Harris, K. C., Ahlstrom, J. B., Dubno, J. R., & Eckert, M. A. (2010, November). *Word intelligibility and age predict visual cortex activity during word listening*. Annual Meeting of the Society for Neuroscience, San Diego, CA.
- Eckert, M. A., **Kuchinsky, S. E.**, Keren, N. I., Conner, C., Vaden, Jr., K. I., Ahlstrom, J. B. & Dubno, J. R. (2010, June). *Sustained inferior frontal activation predicts age-related changes in word recognition*. Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
- Kuchinsky, S. E.**, Bock, K., & Irwin, D. E. (2008, November). *Reversing the hands of time: Changing the mapping from visual input to linguistic output*. Annual Meeting of the Psychonomic Society, Chicago, IL.
- Kuchinsky, S. E.**, Bock, K., & Irwin, D. E. (2006, August). *Shaping the link between seeing and saying*. International Workshop on Language Production, Chicago, IL.

TEACHING, MENTORING, AND OUTREACH EXPERIENCE

Teaching

Spring 2010 Certificate of completion of MUSC's Teaching Techniques Course

Instructor

Spring 2017 & 2018 Research Design (HESP 724, Graduate course)
 Department of Hearing and Speech Sciences, University of Maryland

	Capstone Research Project II (HESP 859-2501, Graduate course) Department of Hearing and Speech Sciences, University of Maryland
Summer 2007	Cognitive Psychology (PSYC 224) Department of Psychology, University of Illinois
<i>Guest Lectures</i>	
Fall 2016	<i>Cognitive Neuroscience I: Foundational Readings</i> (Graduate course) Neuroscience and Cognitive Science Program, University of Maryland
Spring 2016	<i>Neural Aptitude for Language: Language Aptitude</i> (Graduate course) Second Language Acquisition Program, University of Maryland
Fall 2011, 2012	<i>fMRI Analysis: Features of Neuroimaging Data; Group-Level Statistics</i> <i>Biostatistics: Advanced ANOVA & Regression</i> (Graduate course) Medical University of South Carolina
Spring 2011	<i>Aging and Plasticity; Language and the Brain: Behavioral Neuroscience</i> College of Charleston
Fall 2010	<i>Cognitive Neuroscience: Behavioral Neuroscience</i> College of Charleston
Spring 2010	<i>Language: Cognitive Psychology</i> College of Charleston
<i>Teaching Assistant</i>	
Fall 2006	Cognitive Psychology Laboratory (Lab Instructor) Department of Psychology, University of Illinois
Spring 2006	Cognitive Psychology Lab: Neural Network Modeling (Lab Instructor) Department of Psychology, University of Illinois
Fall 2005	Learning and Memory Department of Psychology, University of Illinois
<u><i>Mentoring and Supervising</i></u>	
Ongoing	Postdoctoral Fellow Department of Hearing and Speech Sciences: Kristina Milvae Postdoctoral Research Associate Applied Research Laboratory for Intelligence and Security: Ian Phillips Research Practicum Undergraduate College Park Scholars – Life Sciences: Kuhoo Bhal
2019	Dissertation Committee Neuroscience and Cognitive Science Program: Mattson Ogg Ph.D. First-year Project Committee Neuroscience and Cognitive Science Program: Anna Tinnemore
2018	Honors Undergraduate Thesis Committee Department of Hearing and Speech Sciences: Julie Knorr
2017	Au.D. Capstone Project Mentor Department of Hearing and Speech Sciences: Niki Razeghi
2016	Ph.D. Qualifying Examination Committee Program in Second Language Acquisition: Nick Pandža

Outreach

- Summer 2011 & 2012 Lecture and MRI demo: *An Introduction to Magnetic Resonance Imaging*
 Ashley Hall High School Summer Neuroscience Institute
 Provides an opportunity for exceptional female high school juniors and seniors to learn about clinical and research neuroscience.
 Medical University of South Carolina
- Spring 2012 Lecture and MRI demo: *An Introduction to Magnetic Resonance Imaging*
 Ashley Hall High School, AP Biology
 Medical University of South Carolina
- Fall 2011 Kuchinsky et al. *Evaluation of pupil size as an indicator of listening effort.*
 Poster presented at Neuropalooza: The MUSC/College of Charleston Student-
 Postdoc Neuroscience Research Day
 Provides an outreach opportunity for students and postdocs to present their research in a relaxed environment.

ADDITIONAL PROFESSIONAL EXPERIENCE

- 2016-Present Faculty member of the Center for Comparative and Evolutionary Biology of Hearing
 University of Maryland
- 2015-Present Affiliate faculty member of the Neuroscience and Cognitive Neuroscience Program
 Affiliate faculty member of the Language Science Center
 Adjunct faculty member of the Hearing and Speech Sciences Department
 University of Maryland
- 2015-2018 Member of the committee on Faculty Affairs on the University Senate
 Member of the Neuroscience and Cognitive Science Program Colloquium Committee
- 2003-2009 Graduate Research Assistant in the Language Production Lab
 University of Illinois at Urbana-Champaign with Dr. Kathryn Bock
- 2000-2003 Undergraduate Research Assistant in the Memory and Cognition Lab
 Brandeis University with Dr. Arthur Wingfield
- 2001 Summer Research Assistant in the Sensory and Consumer Testing Lab
 George Washington University's Science & Engineering Apprentice Program
 U.S. Army Soldier Systems Center (Natick) with Dr. Armand Cardello
- Ad Hoc Reviewer Scholarly Journals: *Am J Audiol; Atten Percept Psycho; BMJ Open; Cereb Cortex; Cognition; Cogn Affect Behav Ne; Ear Hearing; eNeuro; Exp Aging Res; Front Hum Neurosci; Front Neurosci; Front Sys Neurosci; Hearing Res; Int J Audiol; J Am Acad Audiol; J Acoust Soc Am; J Exp Psychol Learn; J Mem Lang; J Speech Lang Hear R; Lang Cognitive Proc; Med Sci Monitor; Nat Commun; Neuropsychologia; PLoS ONE; Psychon B Rev; Psychophysiology; Trends Hear*
- Guest Article Editor: *SAGE Open*
- Scholarly Conferences: *Cognitive Science Society; Society of the Neurobiology of Language*
- Book Publishers: *Plural Publishing*
- Funding Agencies: *National Science Foundation (NSF) Linguistics Program; Defense Health Agency (DHA) Small Business Innovation Research (SBIR) Program*