

L. ROBERT SLEVC

Department of Psychology
Program in Neuroscience and Cognitive Science
University of Maryland, College Park, MD 20742
slevc@umd.edu | 301.405.5835 | <http://ter.ps/slevc> | <http://lmc1.umd.edu/>
ORCID: 0000-0002-5183-6786

PROFESSIONAL & ACADEMIC HISTORY

- 2017-present Associate Professor, Department of Psychology
Associate Chair / Director of Graduate Studies
Research Associate Professor, Maryland Language Science Center
University of Maryland, College Park
- 2011-2017 Assistant Professor, Department of Psychology
Research Assistant Professor, Maryland Language Science Center (2014-17)
University of Maryland, College Park
- 2010 Lecturer, Department of Psychology
Harvard University
- 2007-2010 NIH-NRSA Postdoctoral Research Fellow
Rice University
- 2007 Ph.D. in Psychology
University of California, San Diego
- 1999 B.A. in Psychology, Summa cum Laude; B.A. in Chinese
University of Colorado, Boulder

GRANTS, CONTRACTS, & AWARDS

- 2014-2016 PI: *Why does musical training affect second language learning?*
GRAMMY Foundation grant
- 2015-2016 Co-PI (with M. Wang & C. Li): *Doctoral dissertation research: The influence of orthography on the development of functional phonological units in spoken word production.* NSF Doctoral Dissertation Research Improvement grant
- Summer, 2015 Summer Scholars award
UMD Behavioral & Social Sciences Dean's Research Initiative
- 2014-2015 Co-PI (with Y. Faroqi-Shah & D.J. Bolger): *Cognitive, neural, and lifestyle predictors of language training outcomes.*
University of Maryland Tier 1 Seed Grant
- Spring, 2014 University of Maryland Research and Scholarship Award (RASA)
- 2011-2012 Co-PI (with Y. Faroqi-Shah): *Recovery of language abilities following stroke: Musical sophistication as a predictor of neural plasticity.*
UMD Behavioral & Social Sciences Dean's Research Initiative
- 2011-2012 Lead investigator, *Working memory training for language.*
Center for Advanced Study of Language contract TTO 83506
- Summer, 2011 PI: *Does musical training influence perceptual learning of speech?*
UMD Behavioral & Social Sciences Emerging Scholars Program grant
- 2007-2010 PI: *The role of short-term memory in sentence production.*
NIH Ruth L. Kirschstein NRSA Postdoctoral Fellowship (F32)

PUBLICATIONS (* graduate and ** undergraduate student co-authors)

Journal Articles

- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (in press). Unaccusativity in sentence production. *Linguistic Inquiry*.
- Li, L.** & **Slevc, L.R.** (in press). Of papers and pens: Polysemes and homophones in lexical (mis)selection. *Cognitive Science*. doi:10.1111/cogs.12402
- Slevc, L.R.**, Faroqi-Shah, Y., Saxena, S.,** & Okada, B.M.* (2016). Preserved processing of musical structure in a person with agrammatic aphasia. *Neurocase*, 22(6), 505-511. doi:10.1080/13554794.2016.1177090
- Slevc, L.R.** & Martin, R.C. (2016). Syntactic agreement attraction reflects short-term memory processes. *Journal of Cognitive Psychology*, 28, 773-790. doi:10.1080/20445911.2016.1202252
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2016). The timing of verb selection in Japanese sentence production. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 42, 813-824. doi:10.1037/xlm0000195
- Slevc, L.R.**, Davey, N.S.,** Buschkuehl, M., & Jaeggi, S.M. (2016). Tuning the mind: Exploring the connections between musical ability and Executive Functions. *Cognition*, 152, 199-211. doi:10.1016/j.cognition.2016.03.017
- Slevc, L.R.**, Davey, N.S.,** & Linck, J.A. (2016). A new look at "the hard problem" of bilingual lexical access: Evidence for language switch costs with univalent stimuli. *Journal of Cognitive Psychology*, 28, 385-395. doi:10.1080/20445911.2016.1152274
- Heffner, C.C.* & **Slevc, L.R.** (2015). Prosodic structure as a parallel to musical structure. *Frontiers in Psychology*, 6:1962. doi:10.3389/fpsyg.2015.01962
- Slevc, L.R.** & Okada, B.M.* (2015). Processing structure in language and music: A case for shared reliance on cognitive control. *Psychonomic Bulletin and Review*, 22(3), 637-652. doi:10.3758/s13423-014-0712-4
- Carlson, T.C., Simmons, R.A., Kriegeskorte, N., & **Slevc, L.R.** (2014). The emergence of semantic meaning in the ventral temporal pathway. *Journal of Cognitive Neuroscience*, 26(1), 120-131. doi:10.1162/jocn_a_00458
- Slevc, L.R.** & Ferreira, V.S. (2013). To err is human, to structurally prime from errors is also human. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 39(3), 985-992. doi:10.1037/a0029525
- Brandt, A., Gebrian, M.,* & **Slevc, L.R.** (2012). Music and early language acquisition. *Frontiers in Psychology*, 3:327. doi:10.3389/fpsyg.2012.00327
- Slevc, L.R.** (2012). Language and music: Sound, structure, and meaning. *Wiley Interdisciplinary Reviews: Cognitive Science*, 3(4), 483-492. doi:10.1002/wcs.1186
- Slevc, L.R.** (2011). Saying what's on your mind: Working Memory effects on sentence production. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37(6), 1503-1514. doi:10.1037/a0024350
- Slevc, L.R.**, Martin, R.C., Hamilton, A.C., & Joanisse, M.F. (2011). Speech perception, rapid temporal processing, and the left hemisphere: A case study of unilateral Pure Word Deafness. *Neuropsychologia*, 49, 216-230. doi:10.1016/j.neuropsychologia.2010.11.009
- Slevc, L.R.**, Rosenberg, J.C., & Patel, A.D. (2009). Making psycholinguistics musical: Self-paced reading time evidence for shared processing of linguistic and musical syntax. *Psychonomic Bulletin and Review*, 16(2), 374-381. doi:10.3758/16.2.374

- Slevc, L.R.** & Miyake, A. (2006). Individual differences in second language proficiency: Does musical ability matter? *Psychological Science*, *17*(8), 675–681. doi:10.1111/j.1467-9280.2006.01765.x
- Slevc, L.R.** & Ferreira, V.S. (2006). Halting in single word production: A test of the perceptual loop theory of speech monitoring. *Journal of Memory and Language*, *54*(4), 515–540. doi:10.1016/j.jml.2005.11.002
- McCleery, J.P., Tully, L.M., **Slevc, L.R.**, & Schreibman, L. (2006). Consonant production patterns of young severely language-delayed children with autism. *Journal of Communication Disorders*, *39*(3), 217-231. doi:10.1016/j.jcomdis.2005.12.002
- Ferreira, V.S., **Slevc, L.R.**, & Rogers, E.S. (2005). How do speakers avoid ambiguous linguistic expressions? *Cognition*, *96*(3), 263-284. doi:10.1016/j.cognition.2004.09.002

Chapters, Commentaries, & Proceedings

- Slevc, L.R.** & Ivanova, I. (to appear). The relationship between priming and linguistic representations is mediated by processing constraints. Commentary on Branigan & Pickering 'An experimental approach to linguistic representation.' *Behavioral and Brain Sciences*.
- Ferreira, V.S., Morgan, A. & **Slevc, L.R.** (in press). Grammatical encoding. In G. Gaskell (Ed.), *The Oxford Handbook of Psycholinguistics*. Oxford University Press.
- Okada, B.M.* & **Slevc, L.R.** (in press). Music training: Contributions to Executive Function. In M. F. Bunting, J. M. Novick, M. R. Dougherty, & R. W. Engle (Eds.), *An Integrative Approach to Cognitive and Working Memory Training: Perspectives from Psychology, Neuroscience, and Human Development*. New York, NY: Oxford University Press.
- Ogg, M.* & **Slevc, L.R.** (2017). The decodability of sound sources and categories from their acoustic representations as they develop over time. *The Journal of the Acoustical Society of America* *141*, 3898. doi:10.1121/1.4988761
- Slevc, L.R.**, Arango, P.,* & Dumler, M.* (2016). Musical ability predicts adaptation to foreign-accented speech. In *Proceedings of the 14th International Conference on Music Perception and Cognition (ICMPC14)* (pp. 348-351).
- Shell, A.R.,* Linck, J.A., & **Slevc, L.R.** (2015). Examining the role of inhibitory control in bilingual language switching. In D.C. Noelle, R. Dale, A.S. Warlaumont, J. Yoshimi, T. Matlock, C.D. Jennings, & P.P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 2146-2151). Austin, TX: Cognitive Science Society.
- Kunert, R.* & **Slevc, L.R.** (2015). A commentary on: "Neural overlap in processing music and speech" (Peretz et al., 2015). *Frontiers in Human Neuroscience*, *9*:330. doi:10.3389/fnhum.2015.00330
- Slevc, L.R.** & Shell, A.R.* (2015). Auditory Agnosia. In G.G. Celesia & G.S. Hickok (Eds.), *The Human Auditory System: Fundamental Organization and Clinical Disorders. Handbook of Clinical Neurology*, *3rd Ed.* (pp. 573-587). Elsevier. doi:10.1016/B978-0-444-62630-1.00032-9
- Adler, R.M.,* Shell, A.R.,* Valdes-Kroff, J., **Slevc, L.R.**, & Novick, J.M. (2015). Cognitive control in second language learning: Insights from code-switching and vocabulary learning studies. *University of Maryland Center for Advanced Study of Language Technical Report*. College Park, MD: University of Maryland.

- Martin, R.C. & **Slevc, L.R.** (2014). Language production and working memory. In M. Goldrick, V. Ferreira, & M. Miozzo (Eds.), *The Oxford Handbook of Language Production* (pp. 437-450). New York, NY: Oxford University Press.
- Slevc, L.R.** & Okada, B.M.* (2014). Nonmusical abilities and music. In Thompson, W.F. (Ed.), *Music in the Social and Behavioral Sciences, an Encyclopedia* (pp. 814-816).
- Slevc, L.R.**, Faroqi-Shah, Y., & Saxena, S.** (2014). Preserved processing of musical syntax in a person with agrammatic aphasia. *Front. Psychol. Conference Abstract: Academy of Aphasia -- 52nd Annual Meeting*.
- Slevc, L.R.** (2014). Book review: Language, Music, and the Brain: A Mysterious Relationship (M. Arbib, Ed.). *The Quarterly Review of Biology*, 89, 266-267.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2014). The timing of verb selection in English active and passive sentences. *IEICE Technical Report*, 114(176), 139-143.
- Slevc, L.R.** & Novick, J.M. (2013). Memory and cognitive control in an integrated theory of language processing. Commentary on M.J. Pickering & S. Garrod 'An integrated theory of language production and comprehension.' *Behavioral and Brain Sciences*, 36, 373-374. doi:10.1017/S0140525X12002683
- Slevc, L.R.**, Reitman, J.G.,** & Okada, B.M.* (2013). Syntax in music and language: The role of cognitive control. *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 3414-3419). Austin, TX: Cognitive Science Society.
- Redcay, E., O'Young, D., **Slevc, L.R.**, Mavros, P.L., Gabrieli, J.D., & Sinha, P. (2012). Gaze cues in complex, real-world scenes direct the attention of high-functioning adults with autism. In N. Miyake, D. Peebles, & R.P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 911-916). Austin, TX: Cognitive Science Society.
- Slevc, L.R.** & Faroqi-Shah, Y. (2012). Linguistic and musical syntactic processing in Aphasia: Is there a relationship? *Procedia - Social and Behavioral Sciences*, 61, 250-251.
- Martin, R.C. & **Slevc, L.R.** (2012). Memory disorders and impaired language and communication. In R.K. Peach & L.P. Shapiro (Eds.), *Cognition and Acquired Language Disorders: A Process-Oriented Approach* (pp. 183-201). Elsevier.
- Slevc, L.R.** & Martin, R.C. (2011). Short-term memory, agrammatism, and syntactic agreement. *Procedia - Social and Behavioral Sciences*, 23, 102-103.
- Slevc, L.R.** & Patel, A.D. (2011). Meaning in music and language: Three key differences. Comment on "Towards a neural basis of processing musical semantics" by Stefan Koelsch. *Physics of Life Reviews*, 8(2), 110-111. doi:10.1016/j.plrev.2011.05.003
- Dougherty, M.R., **Slevc, L.R.**, Bolger, D.J., Harbison, J.I., Bunting, M.F., & Novick, J.M. (2011). Contributions of explicit and implicit processes to second-language learning. *University of Maryland Center for Advanced Study of Language Technical Report* (TTO 83506). College Park, MD: University of Maryland.
- Martin, R.C., Hamilton, A.C., & **Slevc, L.R.** (2010). fMRI of speech production in a case of Pure Word Deafness. *Procedia Social and Behavioral Sciences* 6, 29–30.
- Slevc, L.R.**, Rosenberg, J.C., & Patel, A.D. (2008). Language, music, and modularity: Evidence for shared processing of linguistic and musical syntax. In M. Adachi et al. (Eds.), *Proceedings of the 10th International Conference on Music Perception & Cognition (ICMPC10)* (pp. 598-605). Adelaide: Causal Productions.
- Ferreira, V.S. & **Slevc, L.R.** (2007). Grammatical encoding. In M. Gareth Gaskell (Ed.), *The Oxford Handbook of Psycholinguistics* (pp. 453-469). Oxford University Press.

Slevc, L.R., Wardlow Lane, L., & Ferreira, V.S. (2007). Pronoun production: Word or world knowledge? In C.T. Schütze & V.S. Ferreira (Eds.), *The State of the Art in Speech Error Research. MIT Working Papers in Linguistics, 53*, 191-203.

Wardlow Lane, L., **Slevc, L.R.**, & Ferreira, V.S. (2007). Exchanging Elicits: Stem-Exchange Errors and Syntactic Category Shifts. In C.T. Schütze & V.S. Ferreira (Eds.), *The State of the Art in Speech Error Research. MIT Working Papers in Linguistics, 53*, 221-232.

INVITED TALKS

Bucknell University, Lewisburg, PA

Department of Psychology, November, 2016

University of North Carolina, Chapel Hill, NC

Cognitive Tea, Department of Psychology and Neuroscience, November, 2015

Pontificia Universidad Católica de Chile, Santiago, Chile

Department of Psychology, October, 2015

University of Maryland, College Park, MD

Neuroscience and Cognitive Science Seminar Series, October, 2015

University of Pittsburgh, Pittsburgh, PA.

Learning Research & Development Center, April, 2015

Stanford University, Stanford, CA.

Cognition & Language Workshop, November, 2014

Elizabethtown College, Elizabethtown, PA.

Department of Psychology, November, 2014

University of Virginia, Charlottesville, VA.

Department of Psychology Cognitive Lunch, October, 2014

University of Maryland, College Park, MD.

Hearing and Speech Sciences Seminar Series, October, 2014

University of Pittsburgh, Pittsburgh, PA.

Learning Research & Development Center, April, 2014

University of Memphis, Memphis, TN.

Cognitive Science Seminar Series, October, 2013

George Washington University, Washington DC.

Department of Speech & Hearing Sciences, April, 2013

Stony Brook University, Stony Brook, NY.

LaMERG Language/Music/Emotion workshop, April, 2013

George Washington University School of Medicine and Health Sciences, Washington DC.

Department of Psychiatry Grand Rounds, February, 2013

Shepherd School of Music, Houston, TX.

Exploring the Mind through Music workshop, June, 2011

Harvard Society for Mind, Brain, and Behavior (HSMBB), Cambridge, MA.

November, 2010

Basque Center for Cognition, Brain and Language, San Sebastián, Spain.

February, 2010

CUNY Brooklyn, New York, NY.

Department of Psychology, February, 2010

SUNY Purchase, Purchase, NY.

School of Natural and Social Sciences, January, 2010

University of Texas, Austin, TX.

Department of Linguistics, February, 2009

CONFERENCE PRESENTATIONS

Heffner, C.C.* & **Slevc, L.R.** (2017, August). Musical ability predicts the ability to learn novel speech sound categories. Poster presented at the meeting of the Society for Music Perception and Cognition, San Diego, CA.

Ogg, M.W.*, Okada, B.M.*, Novick, J.M., & **Slevc, L.R.** (2017, August). Musical processing relies on Cognitive Control. Poster presented at the meeting of the Society for Music Perception and Cognition, San Diego, CA.

Okada, B.M.* & **Slevc, L.R.** (2017, August). Why musicians are good at musical ability tests: Insights from the drift diffusion model. Poster presented at the meeting of the Society for Music Perception and Cognition, San Diego, CA.

Ogg, M.W.* & **Slevc, L.R.** (2017, June). The decodability of sound sources and categories from their acoustic representations as they develop over time. Poster presented at Acoustics '17, Boston, MA.

Momma, S.,* **Slevc, L.R.**, Kraut, R. & Phillips, C. (2017, March). Timing of syntactic and lexical priming reveals structure-building mechanisms in production. Poster presented at the 30th CUNY Conference on Human Sentence Processing, Boston, MA.

Yan, H., Martin, R.C., & **Slevc, L.R.** (2017, March). Lexical overlap increases syntactic priming in aphasic patients with short-term memory deficits: Evidence against the explicit memory account of the lexical boost. Poster presented at the 30th CUNY Conference on Human Sentence Processing, Boston, MA.

Ogg, M. W.,* **Slevc, L. R.**, & Idsardi, W. J. (2016, November). The when and how of sound discrimination. Poster presented at the Psychonomic Society annual meeting, Boston, MA.

Ogg, M. W.* & **Slevc L. R.** (2016, November). Examining the optimal and observed bounds of sound class discrimination. Poster presented at the 15th annual Auditory Perception, Cognition, and Action Meeting (APCAM). Boston, MA.

Saxena, S.,** Faroqi-Shah, Y., **Slevc, L. R.**, Pifer, M.,** & Pinto, T.** (2016, November). Musical processing in Aphasia. Talk given at the ASHA Convention, Philadelphia, PA.

Ogg, M. W.,* Neufeld, C.,* & **Slevc, L. R.** (2016, November). The temporal and acoustic dynamics of natural auditory object processing in the brain. Poster presented at the NIH MEG North America workshop, Bethesda, MD.

Momma, S.,* **Slevc, L. R.**, & Phillips, C. (2016, July). Split intransitivity modulates look ahead in sentence production. Poster presented at the 9th International Workshop on Language Production, San Diego, CA.

Slevc, L.R., Arango, P.,* & Dumler, M.* (2016, July). Musical ability predicts adaptation to foreign accented speech. Talk given at the International Conference for Music Perception and Cognition, San Francisco, CA.

Okada, B.M.* & **Slevc, L.R.** (2016, July). Musical experience and Executive Function. Talk given at the International Conference for Music Perception and Cognition, San Francisco, CA.

Bamdad, T.**, Okada, B.M.*, & **Slevc, L.R.** (2016, July). High talkers, low talkers, yada, yada,

- yada: What Seinfeld tells us about emotional expression in speech and music. Poster presented at the International Conference for Music Perception and Cognition, San Francisco, CA.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2016, March). Similar words compete, but only when they're from the same category. Poster presented at the 29th CUNY Conference on Human Sentence Processing, Gainesville, FL.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2016, March). Split intransitivity modulates look-ahead effects in sentence planning. Poster presented at the 29th CUNY Conference on Human Sentence Processing, Gainesville, FL.
- Ogg, M.W.* & **Slevc, L.R.** (2016, January). What acoustic features do we use to distinguish steady state portions of music and language? Poster presented at the 2016 meeting of the Northeast Music Cognition Group, Boston, MA.
- Momma, S.,* **Slevc, L.R.**, Buffington, J. & Phillips, C. (2016, January). Grammatical category limits lexical selection in language production. Talk given at the 90th annual meeting of the Linguistic Society of America, Washington, DC.
- Li, L.** & **Slevc, L.R.** (2015, November). Polysemy: Core-lexical representations in production. Poster presented at the Psychonomic Society annual meeting, Chicago, IL.
- Ogg, M.W.,* Okada, B.M.,* & **Slevc, L.R.** (2015, November). Musical structure and cognitive control. Poster presented at the Psychonomic Society annual meeting, Chicago, IL.
- Ogg, M.W.,* **Slevc, L.R.**, & Idsardi, W. (2015, November). Examining the time course of sound-class categorization: Insights from acoustic features. Poster presented at the 14th annual Auditory Perception, Cognition, and Action Meeting (APCAM). Chicago, IL.
- Yan, H.,* Martin, R.C., & **Slevc, L.R.** (2015, October). Verb representations are closely associated with syntactic constructions in sentence production: Evidence from aphasic patients with short-term memory deficits. Poster presented at the 53rd annual meeting of the Academy of Aphasia, Tucson, AZ.
- McCleery, J.P. & **Slevc, L.R.** (2015, October). Early language development and Core Vocabulary. Talk presented at the Clinical AAC (Augmentative and Alternative Communication) Research Conference, Charlottesville, VA.
- Slevc, L.R.** & Momma, S.* (2015, September). Noisy evidence and plausibility influence structural priming. Poster presented at the annual Architectures & Mechanisms for Language Processing (AMLaP) meeting, Valetta, Malta.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2015, September). A grammatically conditioned semantic interference effect in a picture-sentence interference study. Poster presented at the annual Architectures & Mechanisms for Language Processing (AMLaP) meeting, Valetta, Malta.
- Slevc, L.R.**, Faroqi-Shah, Y., Saxena, S.,** & Okada, B.M.* (2015, August). Musical structure without linguistic structure: A case study of an agrammatic aphasic with preserved harmonic processing ability. Talk given at the meeting of the Society for Music Perception and Cognition, Nashville, TN.
- Okada, B.M.* & **Slevc, L.R.** (2015, August). The effect of cadences on harmonic expectancy. Poster presented at the meeting of the Society for Music Perception and Cognition, Nashville, TN.
- Shell, A.R.,* Linck, J.A., & **Slevc, L.R.** (2015, August). Examining the role of inhibitory control in bilingual language switching. Poster presented at the 37th Annual Conference of the Cognitive Science Society, Pasadena, CA.

- Shell, A.R.* & **Slevc, L.R.** (2015, May). The effect of taxing inhibitory control on bilingual language switching: Evidence from dual-task paradigms. Poster presented at the CUNY Workshop on Bilingualism and Executive Function: An Interdisciplinary Approach. New York, NY.
- Calma, N., Cohn, N., **Slevc, L.R.**, & Drury, J.E. (2015, April). Music, language, math, and visual narrative. Talk given at the Northeast Music Cognition Group (NEMCOG) meeting, Middletown, CT.
- Slevc, L.R.** (2015, March). Parses of corrected errors persist. Talk given at the 28th CUNY Conference on Human Sentence Processing, Los Angeles, CA.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2015, March). The timing of verb planning in active and passive sentence production. Poster presented at the 28th CUNY conference on human sentence processing, Los Angeles, CA.
- Okada, B.M.* & **Slevc, L.R.** (2014, November). The effect of cadences on harmonic expectancy. Poster presented at the 13th annual Auditory Perception, Cognition, and Action Meeting (APCAM). Long Beach, CA.
- Slevc, L.R.**, Faroqi-Shah, Y., & Saxena, S.** (2014, October). Preserved processing of musical syntax in a person with agrammatic aphasia. Talk given at the 52nd annual meeting of the Academy of Aphasia, Miami, FL.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2014, August). The timing of verb selection in English active and passive sentences. Talk given at TL/MAPLL 2014 (Technical Group of Thought and Language / Mental Architecture for Processing and Learning of Language). Tokyo, Japan.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2014, March). The effect of syntactic category on advance planning in sentence production. Poster presented at the 27th CUNY Conference on Human Sentence Processing, Columbus, OH.
- Okada, B.M.* & **Slevc, L.R.** (2014, January). Global and local musical expectancies. Poster presented at the Music Mind Meaning conference, Peabody Institute of the Johns Hopkins University, Baltimore, MD.
- Slevc, L.R.**, Davey, N.,** Buschkuhl, M., & Jaeggi, S.M. (2013, November). The executive power of music. Talk given at the Psychonomic Society annual meeting, Toronto, Canada
- Linck, J.A., Shell, A.R.,* & **Slevc, L.R.** (2013, November). Lingering inhibition during language switching: Specifying the dynamics of bilingual inhibitory control. Poster presented at the Psychonomic Society annual meeting, Toronto, Canada.
- Slevc, L.R.**, Reitman, J.G.,** & Okada, B.M.* (2013, August). Musical and linguistic structural processing: The role of cognitive control. Talk given at the meeting of the Society for Music Perception and Cognition, Toronto, Canada.
- Slevc, L.R.**, Reitman, J.G.,** & Okada, B.M.* (2013, August). Syntax in music and language: The role of cognitive control. Poster presented at the 35th Annual Conference of the Cognitive Science Society, Berlin, Germany.
- Brandt, A., Gebrian, M., & **Slevc, L.R.** (2013, May). Language as a special type of music. Poster presented at the CRBLM Inaugural Symposium on Language and Music, Montréal, Canada.
- Momma, S.,* **Slevc, L.R.**, & Phillips, C. (2013, March). Advance planning of verbs in head-final language production. Poster presented at the 26th CUNY Conference on Human Sentence Processing, Columbia, SC.

- Slevc, L.R.**, Simmons, R.A.,* & Martin, R.C. (2012, November). Rapid decay in speech perception. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Slevc, L.R.** & Faroqi-Shah, Y. (2012, October). Linguistic and musical syntactic processing in Aphasia: is there a relationship? Poster presented at the Academy of Aphasia annual meeting, San Francisco, CA.
- Redcay, E., O'Young, D., **Slevc, L.R.**, Mavros, P.L., Gabrieli, J.D., & Sinha, P. (2012, August). Gaze cues in complex, real-world scenes direct the attention of high-functioning adults with autism. Paper presented at the 34th Annual Conference of the Cognitive Science Society. Sapporo, Japan.
- Carlson, T.C., Simmons, R.A.,* Kriegeskorte, N., & **Slevc, L.R.** (2012, June). Linking the structure of semantic meaning to the structure of information in ventral temporal cortex. Poster presented at the 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.
- Sampson, M.,* Faroqi-Shah, Y., **Slevc, L.R.**, Saxena, S.,** McDaniels, R.,** & Tchopev, Z.** (2012, May). Music, language, and brain damage. Poster presented at the Maryland Speech-Language-Hearing Association annual convention, White Marsh, MD.
- Slevc, L.R.** & Martin, R.C. (2011, October). Short-term memory, agrammatism, and syntactic agreement. Talk given at the Academy of Aphasia annual meeting, Montréal, QC, Canada.
- Slevc, L.R.** (2011, March). On the role of musical ability in second language learning. Talk given at the Northeast Music Cognition Group (NEMCOG) meeting, New York, NY.
- Martin, R.C., Hamilton, A.C., & **Slevc, L.R.** (2010, October). fMRI of speech production in a case of Pure Word Deafness. Poster presented at the Academy of Aphasia annual meeting, Athens, Greece.
- Slevc, L.R.** & Martin, R.C. (2009, November). Short-term memory and syntactic agreement. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
- Slevc, L.R.**, Banneyer, K.N.,** & Martin, R.C. (2009, October). Syntactic and memory-based effects in aphasic agreement. Poster presented at the Academy of Aphasia annual meeting, Boston, MA.
- Martin, R.C., **Slevc, L.R.**, Hamilton, A.C., & Joanisse, M.F. (2009, October). On the Role of Rapid Temporal Processing in Pure Word Deafness. Poster presented at the Academy of Aphasia annual meeting, Boston, MA.
- Slevc, L.R.**, Hamilton, A.C., Joanisse, M.F., & Martin, R.C. (2009, October). Rapid temporal processing in the Left Hemisphere? A case study of unilateral Pure Word Deafness. Poster presented at the Neurobiology of Language conference, Chicago, IL.
- Slevc, L.R.** & Martin, R.C. (2009, October). Short-term memory and syntactic agreement. Talk given at Armadillo Southwest Cognition Conference 2009, Houston, TX.
- Martin, R.C., **Slevc, L.R.**, & Vuong, L. (2009, July). Basic processes in working memory and their role in language comprehension. Talk given at the 31st annual meeting of the Cognitive Science Society, Amsterdam, The Netherlands.
- Slevc, L.R.**, Burton, P.C., Hamilton, A.C., & Martin, R.C. (2009, March). Pure word deafness following left hemisphere stroke with preserved interhemispheric connectivity. Poster presented at the Cognitive Neuroscience Society annual meeting, San Francisco, CA.
- Mortensen, L., Martin, R.C., Allen, C., & **Slevc, L.R.** (2008, October). Short-term memory demands in speech production: Evidence from picture description. Poster presented at the Academy of Aphasia annual meeting, Turku, Finland.

- Slevc, L.R.**, Rosenberg, J.C., & Patel, A.D. (2008, August). Language, music, and modularity: Evidence for shared processing of linguistic and musical syntax. Talk given at the 10th International Conference on Music Perception & Cognition (ICMPC10), Sapporo, Japan.
- Patel, A.D., **Slevc, L.R.**, Fedorenko, E., Casanto, D., Winawer, J., Rosenberg, J.C., & Gibson, E. (2008, April). Interference between syntactic processing in language and music. Poster presented at the Cognitive Neuroscience Society, San Francisco, CA.
- Slevc, L.R.** & Ferreira, V.S. (2008, March). To err is human, to structurally prime from errors is also human. Talk given at the 21st CUNY Sentence Processing Conference, Chapel Hill, NC.
- Slevc, L.R.**, Rosenberg, J.C., & Patel, A.D. (2007, May). Making Psycholinguistics musical: Evidence for shared processing of linguistic and musical syntax. Talk given at the Conference on Language and Music as Cognitive Systems, Cambridge, UK.
- Slevc, L.R.**, Rosenberg, J.C., & Patel, A.D. (2007, March). Language, music, and modularity: Self-paced reading time evidence for shared processing of linguistic and musical syntax. Poster presented at the 20th CUNY Sentence Processing Conference, La Jolla, CA.
- Slevc, L.R.**, & Ferreira, V.S. (2006, November). First in, first out: Working Memory effects on syntactic production. Poster presented at the 47th meeting of the Psychonomic Society, Houston, TX.
- Slevc, L.R.**, & Ferreira, V.S. (2006, August). Remembering what to say when: Working Memory effects on syntactic production. Talk given at AMLaP 2006, Nijmegen, The Netherlands.
- Slevc, L.R.**, & Boyd, J.K. (2006, March). When it's better to be *more hungry* than *hungrier*: Optionality in comparative production. Poster presented at the 19th CUNY Sentence Processing Conference, New York, NY.
- Slevc, L.R.**, & Miyake, A. (2005, August). Individual differences in second language proficiency: Does musical ability matter? Poster presented at the Society for Music Perception and Cognition 2005 Workshops, La Jolla, CA.
- Slevc, L.R.**, Wardlow Lane, L., & Ferreira, V.S. (2005, July). When pronouns are attracted to the wrong gender. Poster presented at the 2005 LSA Linguistic Institute, Boston, MA.
- Ferreira, V.S., **Slevc, L.R.**, & Rogers, E.S. (2004, November). How do speakers avoid ambiguous linguistic expressions? Talk given at the 45th annual meeting of the Psychonomic society, Minneapolis, MN.
- Slevc, L.R.**, & Ferreira, V.S. (2004, March). Saying what's on your mind: Working Memory effects on syntactic production. Poster presented at the 17th CUNY Sentence Processing Conference, College Park, MD.
- Tully, L.M., McCleery, J.P., **Slevc, L.R.**, & Schreibman, L.E. (2004, July). Speech sound development patterns in children with developmental disorders. Poster presented at the American Psychological Association Annual Convention, Honolulu, HI.
- Ferreira, V.S., **Slevc, L.R.**, & Rogers, E.S. (2003, August). How do speakers avoid linguistic ambiguity? Talk given at AMLaP 2003, Glasgow, Scotland.
- Tully, L.M., McCleery, J.P., **Slevc, L.R.**, & Schreibman, L.E. (2003, May) Do group level patterns of speech sound development apply to the individual with autism? Poster presented at the Association for Behavior Analysis Convention, San Francisco, CA.
- Slevc, L.R.**, & Ferreira, V.S. (2002, September). Halting in single word production: A test of the perceptual loop theory of speech monitoring. Poster presented at AMLaP 2002, Canary Islands, Spain.

TEACHING EXPERIENCE

University of Maryland – Undergraduate:

Introduction to Memory and Cognition – PSYC 341

(Fall, 2013; 2014; Spring 2016; 2017)

Topics in Neuroscience – PSYC 409 (co-taught with Dr. Catherine Carr)

(Fall, 2015)

Psychology of Language – PSYC 442

Fall, 2011; Spring, 2013; 2015)

Music Perception & Cognition – PSYC 489X (honors seminar)

(Fall, 2017)

University of Maryland – Graduate:

Advanced Topics in Human Learning and Cognitive Psychology – PSYC 607

(Spring 2017)

Introduction to Cognitive Science – NACS 645 (co-taught with Dr. Yi Ting Huang)

(Fall, 2016; 2017)

Seminar in Psycholinguistics – PSYC 678

(Spring 2015)

Topics in Language and Cognition – PSYC 789L

(Fall, 2011; 2012)

Research Methods in Psychology – PSYC 889

(Spring, 2013; 2014; 2015; 2016; 2017)

Harvard University – Undergraduate:

Music and Language – PSY 1353 (Fall, 2010)

Rice University – Undergraduate:

Science: The Good, the Bad, and the Ugly – Baker 102 (co-taught with Dr. Jessica Logan)

(Fall 2009)

University of California, San Diego – Undergraduate:

Introduction to Cognitive Psychology – PSYC 105 (Summer 2005)

Psychology of Language – PSYC 145 (Fall 2006)

STUDENT SUPERVISION AND TRAINING

Ph.D. Students:

Mattson Ogg (Neuroscience and Cognitive Science)

Brooke Okada (Psychology)

Alison Shell (Psychology)

Lab Rotation Ph.D. Students:

Alia Lancaster (Second Language Acquisition) – Fall, 2016

Zoe Schlueter (Linguistics) – Spring, 2015

Angela Xiaoxue He (Linguistics) – Spring, 2013

Shota Momma (Linguistics) – Fall, 2012

Dave Kush (Linguistics) – Fall, 2011

Visiting Ph.D. Students:

Paulina Arango (Pontificia Universidad Católica de Chile) – Fall, 2014

Undergraduate Honors Students:

Rafael Zuleta (Psychology) – in progress

Tiffany Bamdad (Psychology) – graduated with high honors in May, 2016

Leon Li (Psychology) – graduated with high honors in May, 2015
Nicholas Davey (Psychology) – graduated with honors in May, 2014
Zahari Tchopov (Biology) – graduated with high honors in May, 2013

High School Research Practicum advisor

Abiola Adeshina (Eleanor Roosevelt High School, Greenbelt, MD) – 2015-2016
Hope Opia (Eleanor Roosevelt High School, Greenbelt, MD) – 2015-2016
Bako Ekoko (Charles H. Flowers High School, Springdale, MD) – 2013-2014
Rukayat Muse-Ariyoh (Charles H. Flowers High School, Springdale, MD) – 2013-2014

DEPARTMENTAL AND UNIVERSITY SERVICE

Departmental Service

Psychology

2017-present Associate Chair / Director of Graduate Studies
2015-present Psychology Colloquium Committee (Chair / Advisor)
Spring 2017 Psychology Merit Review Committee
2013-2014 Social, Decision, & Organizational Sciences faculty search committee
Spring 2013 Psychology payroll coordinator search committee
2012-2013 Social, Decision, and Organizational Sciences faculty search committee

Program in Neuroscience and Cognitive Science

2015-2016 Neuroscience Minor Faculty Advisor
2015-2016 Neuroscience and Cognitive Science (NACS) Admissions Committee

Maryland Language Science Center

Spring 2017 Language Science Center PULSAR admissions committee
Fall 2016 Language Science Center PULSAR admissions committee
Winter 2015 Language Science Center Winter Storm, Faculty Advisor
Spring 2014 Language Science Center Fellows Committee

University Service

2013-present Cognitive Science Colloquium Committee
Spring 2017 Flagship Fellowship Selection Committee, UMD Graduate School
Spring 2016 Endowed Fellowships Committee, UMD Graduate School

EDITORIAL SERVICE

Associate Editor:

Journal of Cognition (2017-present)

Editorial boards:

Frontiers in Auditory Cognitive Neuroscience (2015-present)
Frontiers in Cognitive Science (2014-2017)

Ad Hoc reviewer for: *American Journal of Psychology* • *Behavior Research Methods* • *Bilingualism, Language, and Cognition* • *Brain and Cognition* • *Brain and Language* • *Brain Sciences* • *Cerebral Cortex* • *Cognition* • *Cognitive Psychology* • *Cognitive Neuroscience* • *Cortex* • *Developmental Science* • *Ear and Hearing* • *Frontiers in Psychology* • *Human Brain Mapping* • *Journal of the Acoustical Society of America* • *Journal of Cognitive Neuroscience* • *Journal of Cognitive Psychology* • *Journal of Experimental Psychology: General* • *Journal of Experimental Psychology: Learning, Memory, and Cognition* • *Journal of Memory and Language* • *Journal of Neurolinguistics* • *Language and Cognition* • *Language, Cognition and Neuroscience* • *Language Learning* • *Learning and Individual Differences* • *The Linguistic*

Review • Music Perception • NeuroImage • Neuropsychology • Neuropsychologia • PLOS ONE • Psychological Science • Psychomusicology: Music, Mind & Brain • Psychonomic Bulletin and Review • Quarterly Journal of Experimental Psychology

Grants (as outside reviewer): *National Science Foundation (Cognitive Neuroscience, Developmental & Learning Sciences, and Linguistics sections); Israel Science Foundation*

PROFESSIONAL AFFILIATIONS

Academy of Aphasia (<http://www.academyofaphasia.org/>)

Association for Psychological Science (<http://www.psychologicalscience.org/>)

Cognitive Science Society (<http://cognitivesciencesociety.org/>)

Psychonomic Society (<http://www.psychonomic.org/>)

Society for Music Perception and Cognition (<http://www.musicperception.org/>)

Society for the Neurobiology of Language (<http://www.neurolang.org/>)

OUTREACH

Slevc, L.R. (2016, June). Music, Language, and Aphasia. *Annapolis Stroke Club*. Anne Arundel Medical Center, Annapolis, MD.

Slevc, L.R. (2016, June). Your musical brain. *Awesome Con*, Washington, DC

Slevc, L.R. (2015, March). The neuroscience of language and music. *Ashbern Library's Second Annual Brain Awareness Day*. Loudoun County Public Libraries, Ashbern, VA.

Slevc, L.R. (2015, January). Language, music, syntax, and cognitive control. *Montgomery Blair High School Linguistics Club*, Silver Spring, MD.

Slevc, L.R. (2014, April). The science of language and music. *AAAS Meet the Scientist series*, USA Science & Engineering Festival, Washington DC.

Shell, A.R.* & **Slevc, L.R.** (2013, March). Slips of the tongue. *UMD Language Science – Paint Branch High School visit day*, College Park, MD.

Slevc, L.R. (2012, September). What's the point of music? *Nerd Nite DC*, Washington, DC.