

MuSci Lab Publications

Books

Wallmark, Z. (under contract). *Nothing but noise: Timbre and musical meaning at the edge*. New York: Oxford University Press.

Fink, R., Latour, M., & **Wallmark, Z.** (Eds.) (in press) *The relentless pursuit of tone: Timbre in popular music*. New York: Oxford University Press.

Recent Articles and Book Chapters

Appaji, J., Wallmark, Z., & Dowling, W. J. (in press). Cognition of south Indian percussion. *Proc. of 15th Int'l Conf. for Music Perception and Cognition*, Montreal, QC, Canada.

Wallmark, Z., & Kendall, R. A. (in press). Describing sound: The cognitive linguistics of timbre. In A. Rehding & E. I. Dolan (Eds.), *The Oxford Handbook of Timbre*. New York: Oxford University Press.

Wallmark, Z. (in press). A corpus analysis of timbre semantics in orchestration treatises. *Psychology of Music*. Prepublished May 3, 2018, DOI: <https://doi.org/10.1177/0305735618768102>

Wallmark, Z., Deblieck, C., & Iacoboni, M. (2018). Neurophysiological effects of trait empathy in music listening. *Frontiers in Behavioral Neuroscience*, 12(66). [doi:10.3389/fnbeh.2018.00066](https://doi.org/10.3389/fnbeh.2018.00066)

Wallmark, Z., Iacoboni, M., Deblieck, C., & Kendall, R. A. (2018). Embodied listening and timbre: Perceptual, acoustic, and neural correlates. *Music Perception*, 35(3), 332–363.

Simmons, A., **Allen, S.**, Cash, C., & Duke, R. Effects of early break intervals on musicians' and nonmusicians' skill learning. *Psychology of Music*. Prepublished Nov 9, 2017, DOI: <https://doi.org/10.1177/0305735617735373>

Kupfer, P. (2017). Classical music in television commercials: A social–psychological perspective. *Music and the Moving Image*, 10(1), 23–53.

Quick, D. (2016). Learning production probabilities for musical grammars. *Journal of New Music Research*, 45(4), 295–313.

Wallmark, Z., Deblieck, C., & Iacoboni, M. (2016). Neural correlates of dispositional empathy in the perception of isolated timbres. *Proc. of 14th Int'l Conf. for Music Perception and Cognition*, San Francisco, 476–480.

Pinkham, J., & **Wallmark, Z.** (2016). Effects of repetitive vocalization on temporal perception in a group setting. *Proc. of 14th Int'l Conf. for Music Perception and Cognition*, San Francisco, 195.

Kupfer, P. (2015). Ehrt euren deutschen Meister: Reproducing Wagner in the GDR. In K. Frackman & L. Powell (Eds.), *Classical Music in the German Democratic Republic: Production and Reception*, 75–96. Rochester, N.Y.: Camden House.

Cash, C., **Allen, S.**, Simmons, A., & Duke, R. (2014). Effects of model performances on music skill acquisition and overnight memory consolidation. *Journal of Research in Music Education*, 62(1), 89–99.

Wallmark, Z. (2014). Embodied cognition. In W. F. Thompson (Ed.), *Music in the Social and Behavioral Sciences* (Vol. 1, pp. 372–374). Thousand Oaks, CA: Sage.

Wallmark, Z. (2014). Timbre. In W. F. Thompson (Ed.), *Music in the Social and Behavioral Sciences* (Vol. 2, pp. 1127–1128). Thousand Oaks, CA: Sage.

Allen, S., & Duke, R. (2013). The effects of limited, restricted music practice on overnight memory enhancement. *Update: Applications of Research in Music Education*, 32(1), 67–73.

Allen, S. (2012). Memory stabilization and enhancement following music practice. *Psychology of Music*, 41(6), 794–803.

Recent Invited Talks, Refereed Conference Presentations, and Posters

Wallmark, Z. (2018). Categorical, but not continuous, timbre perception modulated by cross-modal Stroop interference. Paper presented at international “Timbre is a Many-Splendored Thing” conference, Montreal, QC, Canada.

Appaji, J., **Wallmark, Z.**, & Dowling, W. J. (2018). Cognition of south Indian percussion. Poster presentation at Stanford Research Conference, Palo Alto, CA.

Raman, R., **Wallmark, Z.**, & Dowling, W. J. (2017). Effects of music training and familiarity on the time course of responses to modulation in classical music. Poster at annual Psychonomic Society meeting, Vancouver, B.C.

Appaji, J., Wallmark, Z., & Dowling, W. J. (2017). Cognition of south Indian percussion. Poster at International Conference of Students of Systematic Musicology, London.

Wallmark, Z. (2017). Timbre semantics and orchestration: A corpus-linguistic study. Biennial meeting of the Society for Music Perception and Cognition, San Diego.

Bleile, M. L., & Wallmark, Z. (2017). Effects of priming on musicians' perception of intervals. Poster at biennial meeting of the Society for Music Perception and Cognition, San Diego.

Quick, D., & Wallmark, Z. (2017). Play it again, HAL: A perceptual study of computer-made music by listeners and trained pianists. Poster at biennial meeting of the Society for Music Perception and Cognition, San Diego. [declined]

Wallmark, Z. (2017). Sound concepts: Mapping the cognitive semantics of musical timbre. SMU Dedman College Interdisciplinary Institute, Dallas.

Gjerdingen, R., Huron, D., Loughridge, D., Margulis, E. H., **Wallmark, Z.** & Zbikowski, L. (2016). Music and the cognitive sciences: Prospects and problems. Music Cognition Special Interest Group, annual meeting of the Society for Music Theory, Vancouver, B.C.

Kupfer, P., (2016). Classical music in television commercials: A social-psychological perspective. International Conference on Music Perception and Cognition, San Francisco

Wallmark, Z., Deblieck, C., & Iacoboni, M. (2016). Neural correlates of dispositional empathy in music listening. International Conference on Music Perception and Cognition, San Francisco.

Pinkham, J., & Wallmark, Z. (2016). Effects of repetitive vocalization on temporal perception in a group setting. Poster at International Conference on Music Perception and Cognition, San Francisc.

Wallmark, Z., & Iacoboni, M. (2015). Sound and society: What the "brain

on music” tells us about social cognition and empathy. Luskin Neuroscience and Society Conference, Los Angeles.

Wallmark, Z. (2015). Between culture and cognition: The case of musical affect. SMU Dedman College Interdisciplinary Institute, Dallas.

Wallmark, Z., Iacoboni, M., & Deblieck, C. (2015). Timbral noisiness modulates activity in motor and limbic regions. Biennial meeting of the Society for Music Perception and Cognition, Nashville.

Wallmark, Z. (2014). Is timbre a metaphor? Biennial joint meeting of the American Musicological Society and the Society for Music Theory, Milwaukee, WI.

Wallmark, Z. (2013). Big Data and musicology: New methods, new questions. Special session: Graduate education in the digital age. American Musicological Society, Pittsburgh, PA.

Wallmark, Z. (2013). The psychology of musical taste. Music Industry, Technology, and Science. Los Angeles, CA.

Wallmark, Z., & Iacoboni, M. (2012). Embodied listening and musical empathy: Perspectives from mirror neuron research. Joint meeting of the American Musicological Society, Society for Music Theory, & Society for Ethnomusicology, New Orleans.

Wallmark, Z. (2012). The mirroring mind: Embodied cognition, musical empathy, and the neuroscience of aurality. Oral Traditions, Old and New Symposium, Eugene, OR.