

Erin E. Hannon

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Employment

2007-present Assistant Professor, Department of Psychology
University of Nevada, Las Vegas, NV

2005-2007 Assistant Professor, Department of Psychology
Harvard University, Cambridge, MA

Education

2005 Cornell University, Ph.D. in Human Experimental Psychology

2000 New College of Florida, B.A. in Psychology and Music

Honors and Awards

2008 UNLV College of Liberal Arts Summer Research Fellowship

2005 Fellow, Summer Institute in Cognitive Neuroscience at Dartmouth College

2003 Graduate Student Research Award, Cornell University Field of Psychology

2001, 2002, 2004 Conference Grants, Cornell University Graduate School

2000, 2003 Sage Fellow, Cornell University Graduate School

Research Interests

Cognitive and Perceptual Development · Enculturation · Communication · Music Cognition · Rhythm Perception and Production · Music and Language Parallels · Intersensory Perception

Memberships

International Society on Infant Studies
Society for Research in Child Development
Cognitive Science Society
Society for Music Perception and Cognition
Cognitive Development Society

Ad-hoc Reviewer

Behavioral and Brain Sciences, Child Development, Cognition, Cognition and Instruction, Developmental Science, Emotion, European Journal of Developmental Psychology, Infancy, Journal of the Acoustical Society of America, Music Perception, Perception and Psychophysics, Proceedings of the National Academy of Sciences, Psychological Science

Publications

- Soley, G., & Hannon, E.E. (in press). Infants prefer the musical meter of their own culture: A cross-cultural comparison. *Developmental Psychology*.
- Hannon, E.E. (in press). Musical enculturation: How young listeners construct musical knowledge through perceptual experience. In S.P. Johnson (Ed.), *Neoconstructivism: The new science of the origins of knowledge*. New York, NY: Oxford University Press.
- Trehub, S.E., Hannon, E.E., & Schachner, A.M. (in press). Developmental perspectives on music and affect. In P.N. Juslin & J.A. Sloboda (Eds.), *Handbook of music and emotion: Theory, research, applications*. New York, NY: Oxford University Press.
- Hannon, E.E. (2009). Perceiving speech rhythm in music: Listeners categorize instrumental songs according to language of origin. *Cognition, 111*, 404-410.
- Snyder, J.S., Carter, O.L, Hannon, E.E., & Alain, C. (2009). Adaptation reveals multiple levels of representation in auditory stream segregation. *Journal of Experimental Psychology: Human Perception and Performance, 35*, 1232-1244.
- Trehub, S.E. & Hannon, E.E. (2009). Conventional rhythms enhance infants' and adults' perception of musical patterns. *Cortex, 45*, 110-118.
- Snyder, J.S., Carter, O.L, Lee, S-K., Hannon, E.E., & Alain, C. (2008). Effects of context on auditory stream segregation. *Journal of Experimental Psychology: Human Perception and Performance, 34*, 1007-1016.
- Hannon, E.E., & Schellenberg, E.G. (2008). Speech and music perception: Initial abilities and early development. In Bruhn, Kopiez, Lehmann, & Oerter (Eds.), *Musikpsychologie: Das neue Handbuch*. Reinbek bei Hamburg: Rowolht Verlag (pp. 131-142).
- Hannon, E.E. & Trainor, L.J. (2007). Music acquisition: Effects of enculturation and formal training on development. *Trends in Cognitive Sciences, 11*, 466-472.
- Snyder, J.S., Hannon, E.E., Large, E.W., & Christiansen, M.H. (2006). Synchronization and continuation tapping to complex meters. *Music Perception, 24*, 135-146.

- Trehub, S.E., & Hannon, E.E. (2006). Infant music perception: Domain-general or domain-specific mechanisms? *Cognition*, *100*, 73-99.
- Hannon, E.E., & Johnson, S.P. (2005). Infants use meter to categorize rhythms and melodies: Implications for musical structure learning. *Cognitive Psychology*, *50*, 354-377.
- Hannon, E.E., & Trehub, S.E. (2005a). Metrical categories in infancy and adulthood. *Psychological Science*, *16*, 48-55.
- Hannon, E.E., & Trehub, S.E. (2005b). Tuning in to musical rhythms: Infants learn more readily than adults. *Proceedings of the National Academy of Sciences (USA)*, *102*, 12639-12643.
- Johnson, S. P., Hannon, E. E., & Amso, D. (2005). Perceptual development. In B. Hopkins (Ed.), *Cambridge encyclopedia of child development* (pp. 210-216). Cambridge: Cambridge University Press.
- Hannon, E.E., Snyder, J.S., Eerola, T., & Krumhansl, C.L. (2004). The role of melodic and temporal cues in perceiving musical meter. *Journal of Experimental Psychology: Human Perception and Performance*, *30*, 956-974.

Manuscripts Submitted or In Preparation

- Schachner, A.D., & Hannon, E.E. (submitted). The effect of infant-directed speech on early social preferences.
- Thothathiri, M., Snedeker, J., & Hannon, E.E. (under revision). Distributional category learning by 12-month-old infants: An investigation into the role of prosody and frames.
- Hannon, E.E., Soley, G., & Levine, R.S. (in preparation). Infants' perception of musical rhythm is culture-general but constrained by ratio simplicity.
- Hannon, E.E., Schachner, A.D., & Levine, R.S. (in preparation). Infants know bad dancing when they see it: Audiovisual synchrony perception of dancing to music in 10-month-old infants.

Presentations and Proceedings

- Matta, A., & Hannon, E.E. (2009). *Inferring rules from sound: The role of domain-specific knowledge in speech and music perception*. Society for Music Perception and Cognition, Indianapolis, IN.
- Rosenthal, M., & Hannon, E.E. (2009). *Temporal expectancy in audio-visual rhythms*. Society for Music Perception and Cognition, Indianapolis, IN.

- Ullal S., Hannon, E.E., & Snyder, J.S. (2009). *The effects of cultural experience and subdivision on tapping to slow tempi*. Society for Music Perception and Cognition, Indianapolis, IN.
- Hannon, E.E. & Trehub, S.E. (2009). *Music and speech in infancy: Parallels and contrasts*. Paper Symposium at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Ullal S., Hannon, E.E., & Snyder, J.S. (2009). *The effects of cultural experience and subdivision on tapping to slow tempi*. New England Sequencing and Timing Meeting. New Haven, CT.
- Ullal, S., Hannon, E.E., & Snyder, J.S. (2009). *The effects of cultural experience and subdivision on tapping to slow tempi*. WEST Conference on Sequencing and Timing. Santa Barbara, CA.
- Hannon, E.E. (2008). *Infants' perception of audiovisual synchrony in dancing*. The Neurosciences and Music II: Disorders and Plasticity. Montreal, QC.
- Ullal, S., & Hannon, E.E. (2008). *Perception of culture-specific rhythms in music and speech*. The Neurosciences and Music II: Disorders and Plasticity. Montreal, QC.
- Soley, G., & Hannon, E.E. (2008). *Infants prefer music of their own culture: A cross-cultural comparison*. The Neurosciences and Music II: Disorders and Plasticity. Montreal, QC.
- Hannon, E.E. (2008). *Infants know bad dancing when they see it: Audiovisual synchrony perception of music in 10-month-olds*. Biennial meeting of the International Conference on Infant Studies, Vancouver, BC.
- Schachner, A.M. & Hannon, E.E. (2008). *Infant-directed behavior modulates social preferences in 5-month-old infants*. Biennial meeting of the International Conference on Infant Studies, Vancouver, BC.
- Snyder, J.S., Carter, O.L., Hannon, E.E., & Alain, C. (2008). *Multiple levels of representation in auditory stream segregation: Evidence from context effects*. Association for Research in Otolaryngology MidWinter Meeting, Phoenix, AZ.
- Soley, G. & Hannon, E.E. (2008). *Infants prefer culturally familiar music*. Biennial meeting of the International Conference on Infant Studies, Vancouver, BC.
- Hannon, E.E. (2007). *Infants' perception of natural and arbitrary rhythmic structures in music*. Poster presented at the biennial meeting of the Cognitive Development Society, Santa Fe, NM.

- Lamont, K.A., Hannon, E.E., & Spelke, E.S. (2007). *Investigating the relationship between music training and mathematico-spatial cognition*. Poster presented at the biennial meeting of the Cognitive Development Society, Santa Fe, NM.
- Schachner, A.M. & Hannon, E.E. (2007). *Effects of infant-directed vocalization on subsequent face preferences*. Poster presented at the biennial meeting of the Cognitive Development Society, Santa Fe, NM.
- Soley, G. & Hannon, E.E. (2007). *Infant preferences for culturally familiar music*. Poster presented at the biennial meeting of the Cognitive Development Society, Santa Fe, NM.
- Hannon, E.E. (2007). *Rhythm in music and speech: A developmental perspective*. Boston Music Research Association, Harvard University, Cambridge, MA.
- Snyder, J.S., Carter, O.L., Lee, S-K., Hannon, E.E., Rubin, N., Nakayama, K., & Alain, C. (2007). Long-lasting effects of temporal context in auditory and visual grouping. *New England Sequencing and Timing Conference*, New Haven, CT.
- Snyder, J.S., Carter, O.L., Lee, S-K., Hannon, E.E., & Alain, C. (2007). *Effects of context on auditory stream segregation*. Association for Research in Otolaryngology MidWinter Meeting, Denver, CO.
- Hannon, E.E. (2006). *Rhythm and meter in infancy*. International Conference on Music Perception and Cognition (ICMPC), Bologna, Italy.
- Ashley, R., Hannon, E.E., Honing, H., Large, E., Palmer, C., & Hutchins, S. (2006). Music and cognition: What cognitive science can learn from music cognition. *Proceedings of the XXVIII Annual Conference of the Cognitive Science Society (CogSci2006)*. 2655. New Jersey: Lawrence Erlbaum Associates.
- Snyder, J.S., Hannon, E.E., Large, E.W., & Christiansen, M.H. (2005). Synchronization and continuation tapping to complex meters. Rhythm Perception and Production Workshop (RPPW), Rijkhoven-Bilzen, Belgium.
- Hannon, E.E., & Trehub, S.E. (2005). *Acquiring culture-specific knowledge of musical structure*. Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
- Hannon, E.E., & Trehub, S.E. (2004). *Acquisition of culture-specific rhythmic biases through passive exposure to music*. Poster presented at the 3rd annual Auditory Perception, Cognition, and Action Meeting, Minneapolis, MN.
- Hannon, E.E., & Trehub, S.E. (2004). *The development of culture-specific metrical categories*. Presented at the New England Sequencing and Timing (NEST) 14 Conference, New Haven, CT.

Hannon, E.E., & Johnson, S.P. (2003). *Infants' perception of musical rhythm and meter*. Poster presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.

Hannon, E.E., & Snyder, J.S. (2002). *The role of melodic and temporal cues in perceiving meter*. Poster presented at Coordination Dynamics, Delray Beach, FL.

Hannon, E.E., & Johnson, S.P. (2002). Infants' categorization of rhythms on the basis of metrical structure. In Stevens, C., Burnham, D., McPherson, G., Schubert, E., & Renwick, J. (Eds.), *Proceedings of the 7th International Conference on Music Perception and Cognition, Sydney, 2002*. Adelaide: Causal Productions.

Hannon, E.E., & Johnson, S.P. (2002). *Infants' categorization of rhythms on the basis of periodic temporal structure*. Poster presented at Cornell University Cognitive Studies Symposium: Statistical Learning Across Cognition, Ithaca, NY.

Hannon, E.E., Snyder, J., Eerola, T., & Krumhansl, C. (2001). *The role of melody in perceiving musical meter*. Poster presented at the biennial meeting of the Society for Music Perception and Cognition, Kingston, ON.

Lerdahl, F., Krumhansl, C., Hannon, E.E. & Fineberg, J. (2000). *Modeling tension and attraction*. Paper presented at Society for Music Perception and Cognition, Toronto, ON.

Invited Talks and Colloquia

Hannon, E.E. (2009). *The development of domain-specific musical knowledge*. Symposium at the annual meeting of the Acoustical Society of America, San Antonio, TX. Co-presenters: Diana Deutsch, Glenn Schellenberg, Gottfried Schlaug, and Laurel Trainor.

Hannon, E.E. (2009). *Development of culture-specific rhythm perception in music and speech*. Symposium at the biennial meeting of the Society for Research in Child Development, Denver, CO. Co-presenters: Ashley Brock, Leslie Cohen, Eugenia Costa-Giomi, Danielle Solan, Sangeeta Ullal, Takayuki Nakata, Sandra Trehub, Marcel Zentner, and Tuomas Eerola.

Hannon, E.E. (2008). *Becoming narrow-minded: The development of culture- and domain-specific musical knowledge*. Center for Human Development, University of California San Diego, La Jolla, CA.

Hannon, E.E. (2007). *Musical enculturation: An example of perceptual learning and development*. Symposium at the biennial meeting of the Society for Research in Child Development, Boston, MA. Co-presenters: Daphne Maurer, Janet Werker, Scania Marie deSchonen, Catherine Mondloch.

- Hannon, E.E. (2006). *Becoming an enculturated listener: The development of musical rhythm perception*. Processing musical experience in the nervous system, McMaster University, Hamilton, ON.
- Hannon, E.E. (2006). *Development, enculturation, and music cognition*. Yale University, New Haven, CT.
- Hannon, E.E. (2006). *A brief introduction to the developmental psychology of music*. Boston Music Research Association, Harvard University, Cambridge, MA.
- Hannon, E.E. (2005). *Musical development*. Hyperinstruments Group, Massachusetts Institute of Technology, Cambridge, MA.
- Hannon, E.E. (2005). *Perceptual learning of musical temporal structure during infancy and adulthood*. Auditory temporal processing: An international interdisciplinary research symposium to translate knowledge into clinical practice and technology design, University of Toronto, Mississauga, ON.
- Hannon, E.E. (2005). *Finding time: How we come to perceive temporal structure in music*. Centre for Research on Biological Communication Systems, Mississauga, ON.
- Hannon, E.E. (2004). *The perception and development of metrical categories for music*. Symposium at the International Conference on Infant Studies, Chicago, IL. Co-presenters: Laurel Trainor, Anna Volkova, Elizabeth Nawrot.
- Hannon, E.E. (2003). *Infant and adult perception of metrical structures*. Eastman School of Music, Rochester, NY.
- Hannon, E.E. (2001). *The role of melodic cues in perceiving meter*. Eastman School of Music, Rochester, NY.

Media Appearances

Featured in *Babytalk Magazine* (www.parenting.com), August, 2008.

Featured in *The Boston Globe* (www.boston.com), July, 2008.

Quoted in *The Sacramento Bee* (www.sacbee.com), June 7, 2007.

Quoted in *ScienceNOW Daily News*, American Association for the Advancement of Science, May 24, 2007.

Appearance on “Sciencentral News,” *Sciencentral*, January, 2007.

Quoted in *Seed Magazine* (seedmagazine.com), September 21, 2006.

Featured in *The APS Observer*, American Psychological Society, April, 2006.

Featured in “Pulse of the Planet,” *National Geographic News* (nationalgeographic.com), September 21, 2005.

Featured in *The Boston Globe*, August 22, 2005.

Featured in *The Guardian*, August 18, 2005.

Featured in “Science Now,” *Science Magazine*, August 16, 2005.

Featured in *Cornell University News Service* (www.news.cornell.edu), August 15, 2005.

Appearance on *Science Update*, American Association for the Advancement of Science, March 22, 2005.

Featured in *National Geographic News* (nationalgeographic.com), March 8, 2005.

Appearance on “The Daily Planet,” *Discovery Canada*, Toronto, Ontario. February 18, 2005.

Featured in *NRC Handelsbad*, February, 2005.

Service

2008-present	Psychology Department Web Site Committee, UNLV
2007-present	Experimental Psychology Program Committee, UNLV
2007-present	Admissions and Recruitment Committee, UNLV
2007-present	Diversity Committee, UNLV
2006-2007	Study Pool Committee, Harvard University
2005-2007	Committee on Undergraduate Instruction, Harvard University
2005-2006	Co-chair, Harvard Psychology Colloquium Committee

Teaching Experience

2008-present	Instructor, Proseminar in Experimental Psychology (graduate course, UNLV)
2007-present	Instructor, Developmental Psychology: Infancy and Childhood (undergraduate course, UNLV)
2007, Spring	Instructor, Developmental Psychology (undergraduate course, Harvard)
2006, Fall	Parental Teaching Leave

2006, Spring	Instructor, Cognitive Development and Music (graduate seminar, Harvard)
2005, Fall	Instructor, Psychology of Music (undergraduate seminar, Harvard)
2004, 2005 Spring	Teaching Assistant, Language Acquisition (undergraduate course, University of Toronto)
2003, Spring	Teaching Assistant, Evolution of Human Behavior (undergraduate course, Cornell)
2002, Spring	Teaching Assistant, Developmental Psychology (undergraduate course, Cornell)
2001, Fall	Instructor, Introduction to Psychology: Culture, Behavior, and Thought (undergraduate seminar, Cornell)
2001, Spring	Teaching Assistant, Psychology of Music (undergraduate course, Cornell)

References

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