

CURRICULUM VITAE

Lola Lane Cuddy

Birthplace: Winnipeg, Manitoba

Citizenship: Canadian

Academic Degrees and Diplomas

1958 (Manitoba)	A.M.M. (Music)
1959 (Manitoba)	B.A. (General Arts)
1961 (Toronto)	M.A. (Psychology)
1965 (Toronto)	Ph.D. (Major in Perception, Minor in Statistics)

Theses

1961, M.A. thesis	Recognition thresholds as a function of length, relevance of pre-exposure context, and cognitive set of subjects, University of Toronto
1965, Ph.D. thesis	Practice effects in pitch perception, University of Toronto.

Professional Experience

1960	Clinical psychologist, Psychopathic Hospital, Winnipeg, Manitoba
1961-1962	Lecturer in Psychology and Mathematics, St. John's College, Univ. of Manitoba
1961-1962	Dean of Women, St. John's College, University of Manitoba
1965	Lecturer in Psychology, Summer Session, University of Toronto
1965-1970	Assistant Professor of Psychology, Queen's University at Kingston
1970-1982	Associate Professor of Psychology, Queen's University at Kingston
1982-2005	Professor of Psychology, Queen's University at Kingston
2005-2014	Lifetime
2014-present	Adjunct

External Research Support (past fifteen years)

Principal Investigator

1996-2001	NSERC Research Grant. Music perception and cognition
2002-2009	NSERC Discovery Grant, Music perception and cognition
2010-2015	NSERC Discovery Grant, Music perception and cognition

2007-2009	
2009-2010	Alzheimer Society of Canada, Dr. and Mrs. Albert Spatz Award
2011-2013	

Co-Investigator

- 2005-2007 SSHRC Standard Research Grant, Musical Dyslexia
(Sylvie Hébert, U of Montréal, Principal Investigator)
- 2008-2010 SSHRC Standard Research Grant, Musical Dyslexia
(Sylvie Hébert, U of Montréal, Principal Investigator)
- 2014-2019 CCNA/CIHR team grant on cognitive intervention
(Sylvie Belleville, U of Montréal, Principal Investigator, and 9 others)

Honours

- 1987 Fellow, Canadian Psychological Association
- 2002
- 2005 Horrobin Prize for best article of 2005, *Medical Hypotheses*
- 2011 Fellow, Association for Psychological Science
- 2013 Certificate of Appreciation, Society for Music Perceptial

1981	Co-organizer and Co-chair, Queen
1985	Selection panel, OGS awards, Ministry of Education
1984-1988	Board of Directors, Canadian Acoustical Association
1986	Selection Committee for Student Awards, 12th International Acoustical Association
1988	Co-chair, Subcommittee on Post-Doctoral Awards, Canadian Acoustical Association
1985/88/90/93	Chair and organizer, special session on Musical Acoustics for the annual meetings of the Canadian Acoustical Association
1993-1994	Board of Advisors, Third International Conference for the Perception and Cognition of Music, European Society for the Cognitive Sciences of Music
1996	Assessor, A.G. Bell Prize in Speech Communication and Behavioural Acoustics, Canadian Acoustical Association
1996-2001	Board of Directors, Society for Music Perception and Cognition
1997	Consultation regarding appointment of Chair of Psychology Department, Georgetown University, USA
1997	Consultation for Editor of <i>Perception and Psychophysics</i>
1997	Outside assessor of proposal for <i>Mccarthur Auditory Cognition Laboratory</i> , University of Western Sydney, Campbelltown, Australia
1998	Organized and co-chaired, with Dr. W.F. Thompson, York University, symposium entitled "Advances in Music Cognition@ for 8 th meeting of CSBBCS, Carleton University.
1999-2000	Member, OGS Selection Panel competition
2000-2001	President Elect, Society for Music Perception and Cognition
2000	Program Chair for Toronto 2000: Musical Intersections
2001	Local Organizer, SMPC2001, Queen's University
2001-2002	President, Society for Music Perception and Cognition
2001	Member, Scientific Advisory Board, Seventh International Conference for the Perception and Cognition of Music
2002-2003	Past president, Society for Music Perception and Cognition
2004	Member, Scientific Advisory Board, Eighth International Conference for the Perception and Cognition of Music
2004-2006	Chair, Nominating Committee, Society for Music Perception and Cognition
2006	Member, Scientific Advisory Board, Ninth International Conference for the Perception and Cognition of Music
2008	Member, Scientific Advisory Board, Tenth International Conference for the Perception and Cognition of Music
2008-2009	Member, Scientific Advisory Board, ESCOM 2009, European Society for the Cognition of Music
2010	Member, Scientific Advisory Board, Eleventh International Conference for the Perception and Cognition of Music
2011-2016	Member, CPA section board (BCS) and section awards committee
2012	Member, Scientific Advisory Board, Twelfth International Conference for the Perception and Cognition of Music
2015, 2017	Member, Scientific Advisory Board, Society for Music Perception and Cognition

Publications

Articles and Book Chapters

Lindsay, P.N., Cuddy, L.L., & Tulving, E. (1965). Absolute judgments of simultaneously presented visual and auditory stimuli. *Psychonomic Science*, 2, 211-212.

Cuddy, L.L., & Arbuckle, T.Y. (1967). Stimulus and response meaningfulness in paired-associate learning. *Psychonomic Science*, 8, 159-160.

Cuddy, L.L. (1968). Practice effects in the absolute judgment of pitch. *Journal of the Acoustical Society of America*, 43, 1069-1076.

Arbuckle, T.Y., & Cuddy, L.L. (1969). Discrimination of item strength at time of presentation. *Journal of Experimental Psychology*, 81, 126-131.

Cuddy, L.L. (1970). Training the absolute judgment of pitch. *Perception and Psychophysics*, 8, 265-269.

Cuddy, L.L. (1971). The absolute judgment of musically-related pure tones. *Canadian Journal of Psychology*, 25, 42-55.

Bull, A.R., & Cuddy, L.L. (1972). Memory for pitch of fixed and roving stimulus tones. *Perception and Psychophysics*, 11, 105-109.

Cuddy, L.L. (1972). Comment on "Practice effects in the absolute judgment of frequency" by Heller and Auerbach. *Psychonomic Science*, 28, 68.

Cuddy, L.L., Pinn, J., & Simons, E. (1973). Anchor effects with biased probability of occurrence in the absolute judgment of pitch. *Journal of Experimental Psychology*, 100, 218-220.

Cuddy, L.L., & Cohen, A.J. (1976). Recognition of transposed musical sequences. *Quarterly Journal of Experimental Psychology*, 28, 255-270.

Dewar, K.M., Cuddy, L.L., & Mewhort, D.J.K. (1977). Recognition memory for single tones with and without context. *Journal of Experimental Psychology: Human Learning and Memory*, 3, 6.

Cuddy, L.L., Cohen, A.J., & Miller, J. (1979). Melody recognition: The experimental application of musical rules. *Canadian Journal of Psychology*, 33, 148-157.

nBT/F1 11 Tf1 0 0 1 72.025 638.38 Tm0 g0 G[()] TJETQq6KCenb-8(a)-8(KC)(e)8(7C)-5(u)9(d)-8(d)t(1o1unQ EMC /40

- Cuddy, L.L., Cohen, A.J., & Mewhort, D.J.K. (1981). Perception of structure in short melodic sequences. *Journal of Experimental Psychology: Human Perception and Performance*, 7, 869-883.
- Cuddy, L.L. (1982). From tone to melody to music: Some directions for a theory of musical cognition. *Bulletin of the Council for Research and Music Education*, 71, 15-29.
- Cuddy, L.L. (1982). Musical rules and pitch judgment. *Acoustics and Noise Control in Canada*, 10, 40-48.
- Cuddy, L.L. (1982). On hearing pattern in melody. *Psychology of Music*, 10(1), 3-10.
- Cuddy, L.L., & Keane, D.R. (1982). Introduction to the Queen's Symposium on musical perception. *Canadian University Music Review*, 3, xi-xiii (with 6 collected and edited papers).
- Dobbins, P., & Cuddy, L.L. (1982). Octave discrimination: An experimental confirmation of the "stretched" subjective octave. *Journal of the Acoustical Society of America*, 72, 411-415.
- Zuk, I., Keane, D.R., & Cuddy, L.L. (1982). Factors of musical perception: Three points of view. *Canadian University Music Review*, 3, 102-122.
- Cuddy, L.L. (1985). Colour hearing: Some comments. *Psychology of Music*, 13(2), 133-134.
- Cuddy, L.L. (1985). The color of melody. *Music Perception*, 2, 345-360.
- Thompson, W.R., Cuddy, L.L., & Frost, B.J. (1985). Opponent processes in vowel perception. *Canadian Journal of Psychology*, 39, 1-15.
- Smith, K.C., & Cuddy, L.L. (1986). The pleasingness of melodic sequences: Contrasting effects of repetition and rule-familiarity. *Psychology of Music*, 14(1), 17-32.
- Cuddy, L.L., & Badertscher, B. (1987). Recovery of the tonal hierarchy: Some comparisons across age and musical experience. *Perception and Psychophysics*, 41, 609-620.
- Thompson, W.F., & Cuddy, L.L. (1987). Musical judgements of Bach chorale excerpts. In J. Sundberg (Ed.), *Harmony and tonality and rule*

- Kilgour, A.R., Jakobson, L.S., & Cuddy, L.L. (2000). Music training and rate of presentation as mediators of text and song recall. *Memory & Cognition*, 28, 700-710.
- Galembo, A., Askenfelt, A., Cuddy, L.L., & Russo, F.A. (2001). Effects of phase on pitch and timbre in the piano bass range. *Journal of the Acoustical Society of America*, 110, 1649-1666.
- Rousseau, L., Hébert, S., and Cuddy, L.L. (2001). Impaired short temporal interval discrimination in a dyslexic adult. *Brain & Cognition*, 46, 249-254.
- Steinke, W.R., Cuddy, L.L., & Jakobson, L.S. (2001). Dissociations among functional subsystems governing melody recognition after right-hemisphere damage. *Cognitive Neuropsychology*, 18, 411-437.
- Nicholson, K.G., Baum, S., Cuddy, L.L., & Munhall, K.G. (2002). A case of impaired auditory and visual speech prosody perception after right-hemisphere damage. *Neurocase*, 8, 314-322.
- Hébert, S., & Cuddy, L.L. (2002). Detection of metric structure in auditory figural patterns. *Perception and Psychophysics*, 64, 909-918.
- Jamieson, R. K., Thompson, W. F., Cuddy, L. L., & Mewhort, D. J. K. (2003). Do Conjunction Errors In Auditory Recognition Imply Feature Migration? *Canadian Journal of Experimental Psychology*, 57, 125-130.
- Lantz, M.E., Kilgour, A.R., Nicholson, K.G., & Cuddy, L.L. (2003). Judgments of musical emotion following right hemisphere damage. *Brain and Cognition*, 51, 190-191.
- Nicholson, K.G., Baum, S., Kilgour, A.R., Koh, C.K., Munhall, K.G., & Cuddy, L.L. (2003). Impaired processing of prosodic and musical patterns. *Brain and Cognition* 52, 382-389.
- Smith, N.A., & Cuddy, L.L. (2003). Perceptions of musical dimensions in Beethoven's Waldstein sonata: An application of Tonal Pitch Space theory. *Musicae Scientiae*, 7, 7-34.
- Cuddy, L.L. (2003). Music cognition. In D. Randel (Ed.), *The New Harvard Dictionary of Music (4th Edition)*, pp. 540-542. Cambridge, MA: Harvard University Press.
- Kilgour, A.R., Jakobson, L.S., & Cuddy, L.L. (2003). Time-tagging: A key to musicians' superior memory. *Music Perception*, 20, 307-313.
- Russo, F.A., Windell, D.L., & Cuddy, L.L. (2003). Learning the "Special Note": Evidence for a critical periods for absolute pitch acquisition. *Music Perception*, 21, 119-127.
- Galembo, A., Askenfelt, A., Cuddy, L. L., & Russo, F. A. (2004) Perceptual relevance of inharmonicity and spectral envelope in the piano bass range. *Acta Acustica*, 90, 528-536.
- Krumhansl, C.L. & Cuddy, L.L. (2005). Musical frames of reference: Tonal hierarchies. In T. Stoffer and R. Oerter (Eds.), *German Encyclopedia of Psychology*.

- Cuddy, L.L., & Duffin, J. M. (2005). Music, memory, and Alzheimer's Disease: Is music recognition spared in dementia, and how can it be assessed? *Medical Hypotheses*, 64, 229-235. A condensed version was invited and published 2006 in *Neurology and Cognitive Neuroscience*, 6, 17-20.
- Cuddy, L. L., Balkwill, L-L., Peretz, I, & Holden, R. R. (2005). Musical difficulties are rare: A study of *Annals of the New York Academy of Science*, 1060, 311-324.
- Hébert, S., & Cuddy, L.L. (2006). Music-reading deficiencies and the brain. *Advances in Cognitive Psychology* (Special Issue on Music Performance). Available online <http://www.ac-psych.org/?id=3>.
- Russo, F. A., Cuddy, L. L., Galembo, A., & Thompson, W. F. (2007). Sensitivity to tonality across the pitch range. *Perception*, 36, 781-790.
- Cuddy, L. L., Russo, F. A., & Galembo, A. (2007). Tonality of low-frequency synthesized piano tones. *Archives of Acoustics*, 32, 541-550.
- Hébert, S., Béland, R., Beckett, C., Cuddy, L. L., et al. (2008). A case study of music and text dyslexia. *Music Perception*, 25, 369-381.
- Peretz, I., Gosselin, N., Tillmann, B., Cuddy, L. L., et al. (2008). On-line identification of congenital amusia. *Music Perception*, 25, 331-343.
- Trimmer, C. G., & Cuddy, L. L. (2008). Emotional intelligence, not music training, predicts recognition of emotional speech prosody. *Emotion*, 8, 838-849.
- Vanstone, A. D., Cuddy, L. L., Duffin, J. M, & Alexander, E. (2009).

June, 2017

Steinke, W.R., Cuddy, L.L., & Jakobson, L.S. (1996). A dissociation between the processing of music with and without lyrics in an a music subject. *International Journal of Psychology, 31*, (3 & 4), 155.

Russo, F.A., & Cuddy, L.L. (1996). Perceptual cues to melodic organization. *International Journal of Psychology, 31*, (3 & 4), 263.

Russo, F.A., Galembo, A., & Cuddy, L.L. (1997). Evaluation of perceived tonality across the musical pitch range. *Canadian Acoustics, 25*, 35.

Smith, N.A., & Cuddy, L.L. (1997). Patterns of tension/relaxation in music: A consideration of psychosomatic and cognitive influences. *Canadian Acoustics, 25*, 38.

Galembo, A., Askenfelt, A., & Cuddy, L.L. (1998). Inharmonicity and quality of piano tones. *Proceedings of the International Symposium on Musical Acoustics (ISMA >98)*, 241-246.

Galembo, A., Askenfelt, A., & Cuddy, L.L. (1998). Some characteristic features of piano bass tones. *Proceedings of the 4th International Acoustical Colloquium ACOUSTICS Zvolen - Santicka >98*, 11-13.

Lantz, M.E., & Cuddy, L.L. (1998). Total and relative duration as cues to surface structure in music. *Canadian Acoustics, 26*, 56-57.

Koh, C. K. & Cuddy, L. L. (2000). Learning and performance of melodies across repeated trials and perceptual modalities. In C. Woods, G. Luck, R. Brochard, F. Seddon, & J. A. Sloboda (Eds.), *Proceedings of the Sixth International Conference on Music Perception and Cognition*

Editorials

Levitin, D. J., & Cuddy, L. L. (2004). Introduction to the Angel of Death project [Special issue]. *Music Perception*, 22, 167-170.

Peretz, I., Schlaug, G., & Cuddy, L. L. (2008). Music and neurological disorders [Special issue]. *Music Perception*, 25, 269-270.

Published Abstracts

Cuddy, L.L. (1965). Improved pitch perception with training on a single tone. *Journal of the Acoustical Society of America*, 37, 1193(A).

Cohen, A.J., Cuddy, L.L., & Mewhort, D.J.K. (1977). Recognition of transposed tone sequences. *Journal of the Acoustical Society of America*, 61, S87-88 (A).

Cuddy, L.L. (1978). Selected materials for the psychology and physics of music. *The Music Researcher's Exchange*, 6, 4.

Lyons, H.I., & Cuddy, L.L. (1982). Musical modulation and the perceptual structure of tone sequences. *Journal of the Acoustical Society of America*, 71, S38(A).

Mawhinney, T.A., & Cuddy, L.L. (1984). A factor analytic study of tone deafness. *Music Researcher's Exchange*, Vol.II, no. 3.

Thompson, W.F., & Cuddy, L.L. (1985). Tonal implications of musical chords. *Journal of the Acoustical Society of America*, 78, S64

Smith, K.C., & Cuddy, L.L. (1986). Separate effects of metric and harmonic rhythm in melodic organization. *Canadian Psychology*, 27, (2a), 549(A).

Oram, N., & Cuddy, L.L. (1987). Cues to melodic pitch structure: tone-set properties, tone-set membership and relative frequency of tone occurrence. *Canadian Psychology*, 28(2), 446(A).

Smith, K.C., & Cuddy, L.L. (1987). Processing of duple/quadruple and triple metric rhythms. *Canadian Psychology*, 28(2), 572(A).

Smith, K.C., & Cuddy, L.L. (1988). Reading skill and reproduction of musical rhythm. *Canadian Psychology*, 29, (2a).

Cuddy, L.L. (1988). Perception of structure in music. *Canadian Acoustics*, 16, 103.

Oram, N.P., & Cuddy, L.L. (1989). Perception of pitch structures in pure-tone melodic sequences. *Journal of the Acoustical Society of America*, 85, S,N20.

Smith, K.C., & Cuddy, L.L. (1990). Poorer task performance for ages 11-12. *Canadian Psychology*, 31, (2a), 369.

Thompson, W.F., & Cuddy, L.L. (1994). *Schemata for key expressed in music performance*. Third International Conference for Music Perception and Cognition, University of Liege, Belgium.

Steinke, W.R., Cuddy, L.L., & Jakobson, L.S. (1995). *Evidence for melodic processing and recognition without perception of tonality in an amusic subject*. Paper presented at the annual meeting of the Society for Music Perception and Cognition, Berkeley, California, USA.

Russo, F., & Cuddy, L.L. (1995). *Using Narmour bottom-up principles to influence listeners' perceptions of melodic cohesion and flow*. Paper presented at the annual meeting of the Society for Music Perception and Cognition, Berkeley, California, USA.

Russo, F.A., Sturdy, C.B., Cuddy, L.L., & Weisman, R.G. (1996). *Gestalt factors in the structure of birdsong and human melody*. Poster presented at the 6th meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Montréal, Québec, Canada.

Lantz, M.E., & Cuddy, L.L. (1996). *Structuring pitch perception: The influence of duration and frequency of occurrence*. Poster presented at the 6th meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Montréal, Québec, Canada.

Steinke, W.R., Cuddy, L.L., & Jakobson, L.S. (1996).

Russo, F.A., Galembo, A., & Cuddy, L.L. (1998, May). *Perception on tonality across across the tessitura of an instrument*. Paper presented to Music Cognition and Behavior Relevance for Music Composing, La Sapienza, Rome, Italy.

Russo, F.A., & Cuddy, L.L. (1998, May). *Toward a motor theory of melodic perception*. Paper presented at Musical Cognition and Behavior Relevance for Music Composing, La Sapeinza, Rome, Italy.

Russo, F.A., & Cuddy, L.L. (1998, June). *Vocal constraints as a source of melodic expectancy*. Paper presented at Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario, Canada.

Galembo, A., Askenfelt, A., Cuddy, L.L. (1999, March). *On the role of phase relationships in pitch and timbre of multicomponent bass tones*. Paper presented at Forum Acusticum 1999 (Joint Meeting of the Acoustical Society of America, European Acoustics Association, and German Acoustical Society), Berlin, Germany.

Cullimore, J.R., Cuddy, L.L., & Lantz, M.E. (1999, August). *Exploring the representative structure of individual musical pieces: A proposed method and experimental test*. Paper presented at the meeting of the Society for Music Perception and Cognition, Evanston, Illinois, USA.

Kilgour, A.R., Jakobson, L.S., & Cuddy, L.L. (August, 1999). *Music ability and presentation rate affect recall of lyrics*. Poster presentation at the 107th meeting of the American Psychological Association, Boston, Massachusetts, USA.

Koh, C.K., & Cuddy, L.L. (1999, August). *Memory for unfamiliar melodies: Recall accuracy for pitches under three modes of presentation*. Paper presented at the meeting of the Society for Music Perception and Cognition, Evanston, Illinois, USA.

Lantz, M.E., Cuddy, L.L., Cullimore, J.R., & Castel, A.D. (1999, August). *The influence of tempo and mode on judgements of Ahappy@ and Asad@ emotions in music*. Paper presented at the meeting of the Society for Music Perception and Cognition, Evanston, Illinois, USA.

Russo, F.A., & Cuddy, L.L. (1999, March). *A common origin for vocal accuracy and melodic expectancy: Vocal constraints*: Paper presented at Forum Acusticum 1999 (Joint meeting of the Acoustical Society of America, European Acoustics Association, and German Acoustical Society), Berlin, Germany.

Russo, F.A., Galembo, A., & Cuddy, L.L. (2000, November). *Variability in musical pitch perception across the tessitura of the piano*. Paper presented at Toronto 2000: Musical Intersections, Toronto, Canada.

Smith, N.A., & Cuddy, L.L. (2000, November). *Dimensions of musical experience: Perceiving Beethoven=s Waldstein Sonata*. Paper presented at Toronto 2000: Musical Intersections, Toronto, Canada.

Jamieson, R.J., Cuddy, L.L., & Thompson, W.F. (2000, November). *Memory for combinations of musical parameters in a two-tone recognition task*. Paper presented at the meeting of the Society for Research in the Psychology of Music and Music Education/Interdisciplinary Centre for Scientific Research in Music, Leeds, UK.

Cuddy, L. L., Vanstone, A. D., & Duffin, J. M. (2010, June). *Music: Some memories never fade*. Paper presented at the conference of the Canadian Psychological Association, Winnipeg, Manitoba, Canada.

Collett, M., Sham, R., Vanstone, A. D., Garcia, A., & Cuddy, L. L. (March, 2012). *Episodic memories for melodies in mild cognitive impairment*. Poster presented at the Baycrest-Rotman MCI conference, Toronto, ON.

Collett, M., Lee, J., Shabahang, K., Vanstone, A.D., & Cuddy, L.L. (2012, May). *Effect of aging on music-evoked autobiographical memory*. Poster presented at SysMus12, Montreal, Q.C.

Collett, M., Lee, J., Shabahang, K., Vanstone, A.D., & Cuddy, L.L. (2012, June). *Effect of aging on music-evoked autobiographical memory*. Poster presented at the CSBBCS, Kingston, ON.

Collett M. J., Cui A. X., Troje N. F., & Cuddy L. L. (2013, August). *The acquisition and generalization of pitch probability profiles*. Poster presented at the conference of the Society for Music Perception and Cognition, Toronto, Ontario, Canada.

Cui A. X., Collett M. J., Troje N. F., & Cuddy L. L. (2013, November). *preference: Acquisition and generalization of modal pitch distributions*. Poster presented at the Auditory Perception Cognition and Action Meeting, Toronto, Ontario, Canada.

Sikka, R., Cuddy, L. L., Johnsrude, I. S., & Vanstone, A. D. (2014, March). *Neural basis of familiar melody recognition: An fMRI comparison between younger and older adults*. Poster presented at the 24th Annual Conference of the Baycrest Rotman Research Institute: Memory and the Brain in Health and Disease, Toronto, ON.

Silveira, K., Sikka, R., Duncan, A., Shabahang, K., & Cuddy, L. L. (2014, March). *Music-evoked autobiographical memories in younger and older adults: Triggers and emotional content*. Poster presented at the 24th Annual Conference of the Baycrest Rotman Research Institute: Memory and the Brain in Health and Disease, Toronto, ON.

Cui A.-X., & Cuddy L.L. (2014, July).

Naglie, G., Rochon, E., & Troyer, A. K. (2016, October). *A CCNA team study: The ENGAGE study: Combining cognitive training with engaging leisure activities to promote cognitive reserve in older adults with subjective cognitive decline*. 45th Annual Scientific and Educational Meeting of the Canadian Association on Gerontology (CAG), Montreal (Canada).

Belyea, A., Bai, S., Chan, J., Cui, A. X., Sikka, R., Vanstone, A. D., & Cuddy, L. L. (2017, May). *Behavioural*