

**VITA****Melanie J. Spence**

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Faculty Webpage: [http://bbs.utdallas.edu/staff\\_faculty/faculty/spence.html](http://bbs.utdallas.edu/staff_faculty/faculty/spence.html)  
 Research Webpage: <http://bbs.utdallas.edu/ilp/>

**Education History:**

- Ph.D. Experimental Psychology, University of North Carolina at Greensboro, December 20, 1984.  
 Dissertation: Newborns' preferences for female voices as a function of spectral composition.
- M.A. Experimental Psychology, University of North Carolina at Greensboro, December 19, 1980.  
 Thesis: Children's episodic memory for attributes of words in semantic memory.
- B.A. Psychology, Emory University, June 12, 1978. Cum laude, Phi Beta Kappa.  
 Honors Thesis: Recognition memory of voices following ratings on two dimensions.

**Professional Experience:**

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|------------------------------|---|
| September 2006 – present     | Professor<br>Psychological Sciences M.S. & Ph.D. Programs<br>School of Behavioral & Brain Sciences<br>The University of Texas at Dallas, Richardson, TX       |
| September 2005 – present     | Program Head<br>Psychological Sciences M.S. & Ph.D. Programs<br>School of Behavioral & Brain Sciences<br>The University of Texas at Dallas, Richardson, TX    |
| September 1996 – 2005        | Associate Professor of Psychology<br>School of Behavioral & Brain Sciences (formerly Human<br>Development), The University of Texas at Dallas, Richardson, TX |
| September 1989 – August 1996 | Assistant Professor of Psychology<br>School of Human Development, The University of Texas at<br>Dallas, Richardson, TX  |
| July 1988 – August 1989      | Visiting Assistant Professor<br>School of Human Development, The University of Texas at<br>Dallas, Richardson, TX   |
| September 1986 – August 1987 | Postdoctoral Fellow<br>Sparks Center for Developmental and Learning Disorders,<br>University of Alabama at Birmingham, Birmingham, AL                         |

## Research Interests:

My research program focuses on young infants' processing of speech stimuli and faces ([http://www.utdallas.edu/dept/bbs/FACULTY\\_PAGES/Spence/](http://www.utdallas.edu/dept/bbs/FACULTY_PAGES/Spence/)). Current research examines young infants' discrimination of positive and negative facial emotions and if infants are more likely to recognize emotional expressions in moving faces than static faces. Factors affecting infants' categorization of infant-directed speech vocalizations (speech directed to babies consisting of high frequency and exaggerated intonation contours) are also being studied. These studies are based on earlier findings that 6-month-old infants categorize infant-directed speech utterances produced in different interactional contexts (e.g., comforting vs. approving) and in the presence of various visual stimuli (Moore, Spence, & Katz, 1997). However, four-month-olds categorize these infant-directed utterances when heard in the presence of a face (Spence, Chuang, & Sokolsky, 2004), but not when viewing a checkerboard pattern (Spence & Moore, 2002; Spence & Moore, 2003).

A second related area of my research has examined the effects of infants' linguistic experiences on their processing of speech and voices during the perinatal period. This work has provided evidence that maternal speech is perceived by fetuses during the last month of gestation (DeCasper & Spence, 1986) and that human newborns' perception of a specific voice is affected by their previous experience with that voice (Spence & DeCasper, 1987). My research in this area has demonstrated that newborns' recognition of the maternal voice is dependent on the low-frequency acoustic properties of voices that are available in the prenatal environment, but that high-frequency vocal information that is experienced only postnatally does not support infants' recognition of the maternal voice (Spence & Freeman, 1996). Additionally, evidence for long-term auditory memory of 6-week-old infants was provided by the finding that infants who were repeatedly exposed to a nursery rhyme discriminated that rhyme from a novel nursery rhyme for up to 3 days (Spence, 1996). The results of this research reveal that prenatal experience influences infants' responsiveness to speech and voices, and suggest that early experiences provide a foundation for subsequent language acquisition.

Recent research activities also include studies of perceptual and memory development of preschool children. Research conducted with Karen Thierry, Ph.D. (DISD) has examined 3- to 6-year-old children's event memory and the relationship between source monitoring, memory, and suggestibility, and has shown that young children's susceptibility to misleading information can be decreased with source monitoring training (Thierry, Spence, & Memon, 2001; Thierry & Spence, 2002, 2004). Additionally, collaboration with Susan Jerger, Ph.D. (UTD) has examined auditory processing skills of adults, children and infants (Jerger, Pearson, & Spence, 1999; Spence, Rollins, & Jerger, 2002). Research with Drs. Alice O'Toole (UTD) and Susan Barrett (LeHigh University) has examined young children's recognition and gender categorization of faces (Wild et al., 2000).

## Professional Memberships:

Association for Psychological Science  
Cognitive Development Society  
International Society for Developmental Psychobiology

Psychonomic Society  
Society for Research in Child Development  
International Society for Infant Studies

## Honors:

DeCasper, A. J. & Spence, M. J. (1986). Prenatal maternal speech influences newborns' perception of speech sounds. *Infant Behavior and Development*, 9, 133-150.  
Voted one of top 20 child psychology studies in survey of membership of Society for Research in Child Development. See Dixon, W. (2003). Twenty studies that fascinated child psychology, *Developments, Newsletter of the Society for Research in Child Development*, 46, 4-5.

**Awards and Fellowships:**

Fellow, Association for Psychological Science

**Achievements in Research:****Grants:**

Federal:

Co-Investigator: NIH-NIDCD #DC00421, S. Jerger, PI. Auditory Speech Processing in Hearing-Impaired Children, 2003-2008.

Consultant: NIH-NICHHD 1 R03 HD048509-01A1, K. L. Thierry (PI). Inoculating Child Witnesses Against Source Errors, 7/1/2005 – 6/30/2006.

State:

Effects of Experience on Human Infants' Voice and Speech Perception, Advanced Research Program Grant awarded by The Texas Higher Education Coordinating Board, 1990-1991 (\$100,000).

Human Development Laboratories: Funding for equipment in new School of Human Development Research and Clinical Building, University of Texas System Permanent University Fund, 2001 (\$150,000).

University:

Callier Scholar Award: Callier Center for Communication Disorders, School of Human Development, 2000-2001 (\$5000)

Research & Assessment of Infant Auditory Perception from the Callier Excellence in Education Fund, 1999-2001 (\$10,876).

Private Source:

Mother-Infant Vocal Interaction and Infants' Comprehension of Vocal and Facial Emotional Expressions, Timberlawn Psychiatric Foundation, 2010-2012 (\$20,000)

Infants' comprehension of affect in infant-directed speech: Does the melody convey the message? Timberlawn Psychiatric Research Foundation Grant, 2002-2004 (\$17,515).

Consultant for grant, "Artificial Nervous System," funded by Texas Instruments, Inc. and DARPA to Larry Cauller (PI).

**Journal Articles:**

Refereed:

Thierry, K. L., Lamb, M. E., Pipe, M. -E., & Spence, M. J. (2009). The flexibility of source-monitoring training: Reducing young children's source confusions. *Applied Cognitive Psychology*. Published online in Wiley InterScience. ([www.interscience.wiley.com](http://www.interscience.wiley.com)) DOI: 10.1002/acp.1574.

Jerger, S., Damian, M., Spence, M. J., Tye-Murray, N., Abdi, H. (2009). Developmental shifts in children's sensitivity to visual speech: A new multimodal picture word task. *Journal of Experimental Child Psychology*, 102, 40-59.

- Jerger, S., Damian, M., Tye-Murray, N., Dougherty, M., Mehta, J., & Spence, M. J. (2006). Effects of childhood hearing loss on organization of semantic memory: Typicality and relatedness, *Ear and Hearing*, 27, 686-702.
- Thierry, K. L. & Spence, M. J. (2004). Children's memory and suggestibility for a real-life and video event. *Applied Cognitive Psychology*, 18, 297-309.
- Spence, M. J. & Moore, D. (2003). Categorization of infant-directed speech: Development from 4 to 6 months. *Developmental Psychobiology*, 42, 97-109.
- Roark, D. A., Barrett, S. E., Spence, M. J., Abdi, H., & O'Toole, A. J. (2003). Psychological and neural perspectives on the role of motion in face recognition. *Behavioral and Cognitive Neuroscience Reviews*, 2 (1), 15-46.
- Spence, M. J., Rollins, P. R., & Jerger, S. (2002). Children's recognition of cartoon voices. *Journal of Speech, Language, and Hearing Research*, 45, 214-222.
- Thierry, K. L. & Spence, M. J. (2002). Source-monitoring training facilitates preschoolers' eyewitness memory performance. *Developmental Psychology*, 38, 428-437.
- Thierry, K. L., Spence, M. J., & Memon, A. (2001). Before misinformation is encountered: Source monitoring decreases child witness suggestibility. *Journal of Cognition and Development*, 2, 1-26.
- Wild, H. H., Barrett, S. E., Spence, M. J., O'Toole, A. J., Cheng, Y. D., & Brooke, J. (2000). Recognition and sex categorization of adults' and children's faces: Examining performance in the absence of sex stereotyped cues. *Journal of Experimental Child Psychology*, 77, 269-291.
- Van Beveren, T. T., Little, B. B., & Spence, M. J. (2000). Effects of prenatal cocaine-exposure and postnatal environment on child development. *American Journal of Human Biology*, 12, 417-428.
- Jerger, S., Pearson, D. A., & Spence, M. J. (1999). Developmental course of auditory processing interactions: Garner Interference and Simon Interference. *Journal of Experimental Child Psychology*, 74, 44-67.
- Moore, D., Spence, M. J., & Katz, G. (1997). Six-month-olds' categorization of natural infant-directed utterances. *Developmental Psychology*, 33, 980-989.
- Spence, M. J. (1996). Young infants' long-term auditory memory: Evidence for changes in preference as a function of delay. *Developmental Psychobiology*, 29, 685-695.
- Spence, M. J. & Freeman, M. S. (1996). Newborn infants prefer the maternal low-pass filtered voice, but not the maternal whispered voice. *Infant Behavior and Development*, 19, 199-212.
- Spence, M. J. & Capt, D. B. (1994). The effect of a multimodal reinforcer on object concept performance and off-task behaviors of children with Down syndrome. *Infant-Toddler Intervention*, 4, 75-85.
- Spence, M. J. (1991). Newborns' responsiveness to contingent stimulation: Implications for early intervention. *Infant-Toddler Intervention*, 1, 245-253.
- Spence, M. J. & DeCasper, A. J. (1987). Prenatal experience with low-frequency maternal voice

sounds influences neonatal perception of maternal voice samples. *Infant Behavior and Development*, 10, 133-142.

DeCasper, A. J. & Spence, M. J. (1986). Prenatal maternal speech influences newborns' perception of speech sounds. *Infant Behavior and Development*, 9, 133-150.

Winograd, E., Kerr, N. H. & Spence, M. J. (1984). Voice recognition: Effects of orienting task and a test of blind versus sighted listeners. *American Journal of Psychology*, 97, 57-70.

Hunt, R. R., Elliott, J. M., and Spence, M. J. (1979). Independent effects of process and structure on encoding. *Journal of Experimental Psychology: Human Learning and Memory*, 5, 339-347.

### Articles appearing as Chapters in Edited Volumes:

Spence, M. J. (2005). Visual Cliff. In Neil Salkind (Ed.), *The Encyclopedia of Human Development*, Thousand Oaks, CA: Sage Publications.

Spence, M. J. & Moore, D. S. (2002). Categorization of infant-directed speech. In J. W. Fagen & H. Hayne (Eds.), *Advances in Infancy Research* (Vol. 2, pp. 261-293). Mahwah, NJ: Lawrence Erlbaum Associates.

Thierry, K. L., Spence, M. J., & Memon, A. (2000). Fuzzy Trace Theory and Source Monitoring. In K. Roberts & M. Blades (Eds.), *Children's Source Monitoring* (pp. 171-196). Mahwah, NJ: Lawrence Erlbaum Associates

DeCasper, A. J. & Spence, M. J. (1991). Auditorily-mediated behavior during the perinatal period: A cognitive view. In M. Weiss & P. Zelazo (Eds.) *Newborn Attention: Biological Constraints and the Influence of Experience* (pp. 142-176). Norwood, N.J.: Ablex.

DeCasper, A. J. & Spence, M. J. (1987). Prenatal maternal speech influences newborns' perception of speech sounds. In S. Chess, A. Thomas, & M. Hertzog (Eds.), *Annual Progress in Child Psychiatry and Development*, (pp. 5-25). Philadelphia, PA: Brunner/Mazel, Inc.

### Conference Presentations:

Refereed:

Spence, M. J., Atchison, K. K., & Shepard, K. G. (2010). The Impact of Faces on Infants' Categorization of Infant-Directed Speech: Change from 4 to 6 Months. In C. Cashon (Chair), *Changes and Complexities in Face Processing during the Middle of the First Year*. Symposium conducted at the International Conference on Infant Studies, Baltimore, MD.

Atchison, K. K. & Spence, M. J. (2010). Development of Infant-Directed Speech Categorization: Effects Of Facial-Vocal Synchrony. Poster presented at the International Conference on Infant Studies, Baltimore, MD.

Atchison, K. K., Shepard, K. G., & Spence, M. J. (2009). Categorization of infant-directed speech: Processing asynchronous audio-visual speech. Poster presented at Cognitive Development Society Sixth Biennial Meeting, San Antonio, TX.

Atchison, K. K., Spence, M. J., Touchstone, E. T. (2009). Categorization of synchronous infant-directed speech by 4- and 6-month-old infants. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Denver, CO.

Spence, M. J. & Touchstone, E. W. (2008). Disparity in categorization of dynamic emotional expressions by 6- and 10-month-old infants. Poster presented at the Annual Meeting of the International Society for Developmental Psychobiology, Washington, DC.

Atchison, K. K., Spence, M. J., & Touchstone, E. W. (2008). The impact of faces on infants' categorization of infant-directed speech. In M. Goldstein (Chair), *New functions of Infant-directed speech: Evidence from word learning and categorization*. Symposium conducted at the International Conference on Infant Studies, Vancouver, BC.

Touchstone, E. W., Spence, M. J., & Atchison, K. K. (2008). Infants' categorization of dynamic emotional expressions: Changes from 6 to 10 months. Poster presented at the International Conference on Infant Studies, Vancouver, BC.

Atchison, K. K. & Spence, M. J. (2007). Four-month-old infants' categorization of infant-directed speech when viewing female, male, and scrambled faces. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Boston, MA.

Spence, M. J. & Touchstone, E. W. (2006). Infants' attention to visual and auditory stimuli. Poster presented at the Association for Psychological Sciences Meeting, NY, NY.

Touchstone, E. W. & Spence, M. J. (2006). Infants' categorization of dynamic faces: Comparing repeated and fixed trials procedures. Poster presented at the Association for Psychological Sciences Meeting, NY, NY.

Touchstone, E. W. & Spence, M. J. (2006). The effect of motion on infants' processing of novel faces. Poster presented at the Society for Human Development Research, Fort Worth, TX.

Kuhlman-Atchison, K. & Spence, M. J. (2006). The influence of social context on 4-month-olds' categorization of infant-directed speech. Poster presented at the Society for Human Development Research, Fort Worth, TX.

Spence, M. J., Atchison, K. J., Granado, E. & Sokolsky, J. F. (2005). Voice familiarity affects 4-month-olds' categorization of infant-directed speech. Poster presented at Cognitive Development Society Fourth Biennial Meeting, San Diego, CA.

Touchstone, E. W. & Spence, M. J. (2005). Infants' categorization of dynamic and static facial expressions. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.

Touchstone, E. W. & Spence, M. J. (2005). The effects of stimulus familiarity on infants' facial processing. Poster presented at Cognitive Development Society Fourth Biennial Meeting, San Diego, CA.

Spence, M. J., Chuang, Y., & Sokolsky, J. (2004). Four-month-old infants categorize infant-directed speech when viewing a female face. Poster presented at International Conference on Infant Studies, Chicago, IL.

Sokolsky, J. F. & Spence, M. J. (2004). Effects of voice familiarity on four-month-old infants' abilities to categorize. Poster presented at Llano Estacado Psychology Conference, Lubbock, TX.

Thierry, K. L. & Spence, M. J. (2003). A real-life event reduces children's suggestibility. Poster

presented at the Biennial Meeting of the Society for Research in Child Development, Tampa, FL.

Spence, M. J. (2002). What does novelty preference tell us about memory development? Invited talk presented as Symposium Discussant at the Thirteenth International Conference on Infant Studies, Toronto, ON.

Thierry, K. L., & Spence, M. J. (2002). Children's memory and suggestibility for a real-life and video event. Poster accepted for presentation at the American Psychology-Law Society, Austin, TX.

Thierry, K. L., & Spence, M. J. (2001). Source monitoring facilitates preschoolers' memory performance. Paper presented at Biennial Meeting of the Society for Research in Child Development, Minneapolis, MN.

Spence, M., Rollins, P., & Jerger, S. (2000). Recognition of famous cartoon voices. Paper presented at the American Auditory Society Meeting.

Spence, M. J. & Moore, D. S. (2000). Evidence for changes in categorization of infant-directed utterances between 4 and 6 months. Poster presented at the Twelfth International Conference on Infant Studies, Brighton, UK.

Spence, M. J., Rollins, P. R., & Jerger, S. (1999). Recognizing famous cartoon voices: Development from childhood to adulthood. Paper presented at the 40<sup>th</sup> Annual Meeting of the Psychonomic Society, Los Angeles, CA.

Thierry, K. L., Spence, M. J., & Memon, A. (1999). Source monitoring decreases child witness suggestibility. Poster presented at the Meeting of the Cognitive Development Society, Chapel Hill, NC.

Thierry, K. L., Spence, M. J., & Memon, A. (1999). Before misinformation is encountered: Source monitoring decreases child witness suggestibility. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Albuquerque, NM.

Jerger, S. & Spence, M. J. (1999). Development of perceptual processing interactions: Garner interference and Simon interference. Poster presented at the Twenty-second Midwinter Research Meeting of the Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Wambacq, I. J., Spence, M. J., & Marchman, V. A. (1998). Infants' categorization of infant-directed utterances produced by a single speaker. Poster presented at the Eleventh International Conference on Infant Studies, Atlanta, GA.

Thierry, K. L., Spence, M. J., & Memon, A. (1998). Effect of repeated source monitoring on preschoolers' suggestibility. Poster presented at the Biennial Meeting of the American Psychology-Law Society, Redondo Beach, CA.

Spence, M. J., Van Beveren, T. T., & Little, B. (1997). The effects of prenatal cocaine exposure and postnatal environment on early development: An adoption study. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Washington, D.C.

Thierry, K. L., Cardenas, A. M., & Spence, M. J. (1997). Stimulus structure and action atypicality influence fourteen-month-olds' deferred imitation. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Washington, D.C.

- Spence, M. J. (1996). Infants' long-term auditory memory: Changes in preference from 6 to 12 weeks of age. Poster presented at the International Society for Developmental Psychobiology, Washington, D.C.
- Moore, D.S. & Spence, M.J. (1996). Infants' categorization of unfiltered infant-directed utterances. Poster presented at the International Conference on Infant Studies, Providence, RI.
- Freeman, M. S. & Spence, M. J. (1996). Newborns' responsiveness to whispered voices. Poster presented at the International Conference on Infant Studies, Providence, RI.
- Cardenas, A. M. & Spence, M. J. (1996). Deferred imitation of specific acts by 14-month-old infants. Poster presented at the Southwestern Society for Research in Human Development, Park City, UT.
- Spence, M. J., Moore, D. S. & Longest, M. (1995). Categorization of infant-directed utterances develops between 3 and 6 months of age. Poster presented at the International Society for Developmental Psychobiology, San Diego, CA.
- Spence, M. J. (1995). Young infants' long-term auditory memory: Evidence for changes in preference as a function of delay. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Indianapolis, IN.
- Spence, M. J. & Freeman, M. S. (1994). Cues conveyed by fundamental frequency, but not formant frequencies, are sufficient for newborns' maternal voice recognition. Poster presented at the International Conference on Infant Studies, Paris, France.
- Spence, M. J. & Moore, D. (1994). Six-month-olds' categorization of infant-directed prosody. Poster presented at the International Conference on Infant Studies, Paris, France.
- Spence, M. J. (1994). Preschoolers' recognition performance is a function of both item familiarity and task difficulty. Paper presented at the Biennial Meeting of the Southwestern Society of Research in Human Development, Austin, TX.
- Freeman, M. S. & Spence, M. J. (1994). Fundamental frequency information is sufficient for newborns' discrimination of the maternal voice. Poster presented at the Biennial Meeting of the Southwestern Society for Research in Human Development, Austin, TX.
- Spence, M. J. and Woessner, L. L. (1993). Preschoolers' face and voice recognition are differentially influenced by knowledge base differences. Poster presented at the convention of the American Psychological Society, Chicago, IL.
- Freeman, M. S., Spence, M. J., and Oliphant, C. M. (1993). Newborns prefer their mothers' low-pass filtered voices over other female filtered voices. Poster presented at the Convention of the American Psychological Society, Chicago, IL.
- Spence, M. J. (1992). Infants' discrimination of novel and repeatedly experienced speech passages. Poster presented at the International Conference on Infant Studies, Miami, FL.
- Spence, M. J. & Capt, B. (1992). The effect of operant conditioning on Down Syndrome children's search for hidden objects. Poster presented at the International Conference on Infant Studies, Miami, FL.
- Spence, M. J. & DeCasper, A. J. (1986). Prenatal experience with low-frequency maternal voice sounds influences newborns' perception of female voices. Poster presented at International Conference on Infant Studies, Los Angeles, CA.

- Spence, M. J. & DeCasper, A. J. (1984). Prenatal maternal speech influences human newborns' auditory preferences. Paper presented at the North Carolina Acoustical Society, Tanglewood, N.C.
- Spence, M. J. & DeCasper, A. J. (1982). Human fetuses perceive maternal speech. Paper presented at International Conference on Infant Studies, Austin, TX.
- Spence, M. J. & Geis, M. F. (1981). Children's preferences for semantic attributes of words and effects of preferences on episodic recall. Paper presented at the meeting of the Society for Research in Child Development, Boston, MA.
- Spence, M. J., Elliott, M. J., & Hunt, R. R. (1979). The effects of process and structure on retention. Paper presented at the Southeastern Psychological Association Meeting, New Orleans, LA.

### Invited Presentations:

#### Non-refereed:

- Spence, M. J. Learning About the World: An Infant's Perspective. (2010). Invited lecture for UTD Center for Children and Families 2010 Spring Lecture Series titled *Raising Healthy Infants: Language and Learning*.
- Spence, M. J. Sights and Sounds During the First Months of Infancy. (2010). Invited talk for the Dallas MetroMoms meeting.
- Spence, M. J. & Touchstone, E. W. (2009). Infants' categorization of dynamic facial expressions: Change between 6 and 10 months of age. Invited talk for the Pre-conference on the Development of Face Processing. Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Spence, M. J. (2009). Development of infant-directed speech categorization from 4 to 6 months of age. Invited talk for the Friday Language and Speech, Hearing Brown Bag Series, Callier Center Dallas.
- Touchstone, E. W., Granado, E., & Spence, M. J. (2004). Infants categorize infant-directed speech in the presence of a female face. Poster presented at Armadillo Conference, Arlington, TX.
- Spence, M. J. (2003). Categorization of infant-directed speech by 4-and 6-month-olds. Invited seminar for Developmental Psychology area, UT-Austin, Austin, TX.
- Spence, M. J. (2001). Infant's processing of prosody: Evidence from voice recognition and categorization studies. Invited colloquium presented at NICHD, at Section on Social and Emotional Development, Bethesda, MD.
- Spence, M. J. (2001). Categorization of infant-directed speech: Development from 4 to 6 months. Invited talk presented to ARMADILLO-12 Conference, Southern Methodist University.
- Spence, M. J. (1999). Infants' processing of prosody: Evidence from voice recognition and categorization studies. Invited colloquium presented at Department of Psychology, Lehigh University, Bethlehem, PA.
- Jerger, S. W., Spence, M. J. & Rollins, P. R. (1999). Recognizing famous cartoon voices: Development from childhood to adulthood. Developmental Psychology Brown Bag Talk Series.

- Spence, M. J. (1998). Early prosodic experience: A foundation for language development. Invited Colloquium for the Developmental Psychology Seminar Series, Georgia State University, Atlanta, GA.
- Jerger, S. & Spence, M. J. (1998). The development of auditory processes. Developmental Psychology Brown Bag Talk Series, University of Texas at Dallas, Richardson, TX.
- Spence, M. J. (1997). Early experiences influence infants' voice and speech perception: Implications for language acquisition. SMU Psychology Colloquium Evening Series, Southern Methodist University, Dallas, TX.
- Spence, M. J. (1996). Prenatal experience influences postnatal voice perception: Evidence from newborns' responsiveness to low-pass filtered and whispered voices. Colloquium presented at the Department of Psychology, UT-Arlington, Arlington, TX.
- Spence, M. J. (1996). Newborns' responsiveness to low-pass filtered and whispered voices. Invited colloquium for Developmental Psychology area, UT-Austin, Austin, TX.
- Spence, M. J. (1994). Human newborns' auditory preferences are influenced by prenatal exposure. Invited lecture for the Zoology Department Seminar Series, University of Oklahoma, Norman, OK.
- Spence, M. J. (1993). Early auditory experiences influence newborns' voice and speech perception. Invited lecture for the Wolfe Fund Lecture Series, Pitzer College, Claremont, CA.
- Spence, M. J. (1991). Neonatal audition research: Procedures and methodology. Invited presentation to the Pediatric Medical Staff, HCA Medical Center of Plano, Plano, TX.
- Spence, M. J. (1990). Voice and speech perception during the perinatal period. Invited presentation to the Neonatal-Perinatal Medicine Research Conference, University of Texas Southwestern Medical Center at Dallas, Dallas, TX.

### **Works in progress:**

- Spence, M. J., Touchstone, E. W., and O'Toole, A. J. (under revision). Infants' categorization of dynamic facial expressions: Change between 6 and 10 months of age.
- Spence, M. J. & Touchstone, E. W. Infants' memory for dynamic and static faces. Manuscript in preparation.
- Atchison, K. K. & Spence, M. J. Four-month-olds categorize infant-directed speech when viewing a female face. Manuscript in preparation.

### **Professional and University Citizenship:**

#### **Professional Activities:**

Associate Editor, *Infant-Toddler Intervention*, 1992-2001

Ad Hoc Journal Reviewer for:

*Infancy*

*Infant Behavior & Development*

*Psychological Science*

*Journal of Perinatology*

*Ear and Hearing*

*Motivation and Emotion*

*Developmental Psychology*  
*Developmental Psychobiology*  
*Developmental Science*  
*Child Development Perspectives*

*Physiology and Behavior*  
*Journal of Cognition and Development*  
*Child Development*

### **Professional Committees:**

Review Panel Member, International Conference on Infant Studies, 2000, 2003  
 Review Panel Member, Society for Research in Child Development, 1999, 2001, 2002  
 Infancy Review Panel Chair, Conference on Human Development, 1997, 1998  
 Outside Reviewer for Developmental Psychology Ph.D. Comprehensive Exams, UT-Arlington, 1997  
 Ad Hoc Reviewer, Natural Sciences and Engineering Research Council of Canada  
 Ad hoc Reviewer for National Science Foundation, Developmental and Learning Sciences, 2005

### **School Activities & Committees (School of Behavioral and Brain Sciences):**

Program Head, Psychological Sciences M.S. program, September 2006 –  
 Program Head, Psychological Sciences Ph.D. program, September 2005 –  
 Research Coordinator, Infant Development Program, Center for Children & Families, 2009-  
 Callier Research Advisory Council, June 2006 -  
 BBS Graduate Studies Committee, September 2005 –  
 Faculty Personnel and Peer Review Committee, 2007-2009  
 HDCD Admissions Committee, 2008-2010  
 Search Committee for Faculty Director of Center for Children and Families, 2007-2009  
 Hosted Colloquium Speaker Paul Quinn, November 2007  
 Teaching Effectiveness Committee: 2000-2002, 2006-2008  
 BBS Website Review Committee: 2006-2009  
 Third Year Review Committee for evaluation of Shayla Holub, 2007-2008  
 Chair, Cognitive Development Faculty Search Committee, 2004-2005  
 Language Development Faculty Search Committee, 2004-2005  
 Chair, Program Advisory Committee for Callier Richardson, November 2003-August 2005  
 Advisory Committee for Development of Callier Richardson, Jan 2003-April 2003  
 Coordinated Video Equipment Installation in Research Suite, Callier-Richardson, Fa 2003 - Sp 2004  
 School of Human Development Graduate Studies Committee, March 2003 - August 2003  
 Search Committee Chair, Language Development, 2002-2003  
 Search Committee, Language Disorders Position, 2002-2003  
 Co-Coordinator, School of Human Development Colloquium Series, 2001-2002  
 Search Committee, Developmental/Educational Psychology Position, 2001-2002  
 Doctoral Program Developmental Psychology Area Head, June 1997 –March 2000  
 School of Human Development Doctoral Steering Committee, June 1997- March 2000  
 Personnel Review Committee, member, 1999-2001  
 Tenure Review Committee, Human Development, 1999-2000  
 Coordinated Developmental Psychology Brown Bag Series: 1997- 2000  
 Search Committee, Developmental Psychology Position, 1997-1998  
 Human Development and Early Childhood Disorders Review Committee, 1994-1995  
 Early Childhood Disorders Admissions Committee, 1990-1997  
 Chair, Early Childhood Disorders Practicum Committee, 1990-1991

### **Courses and other Curricula Developed:**

#### **Undergraduate Courses:**

Cognitive Development  
 Child Development  
 Infant Development  
 Introductory Psychology

#### **Graduate Courses:**

Cognitive Development  
 Infancy  
 Toddler-Preschool Development  
 Atypical Infant Development

Psychology of Learning

Infant Memory Seminar  
Issues in Infancy Research: Seminar  
Behavior Management  
Infant Assessment

**University Activities & Committees:**

Faculty Standing & Conduct Committee, 2008-2010  
Vice-Chair, Committee on Faculty Mentoring, 2006-2007  
SACS Academic Assessment Committee, February 2005 -  
SACS Student Affairs & Student Services Committee, January 2005 -  
Chair, Core Committee for the Support of Women and Minorities, 2005 - 2006  
Vice-Chair, Core Committee for the Support of Women and Minorities, 2004-2005  
Committee on Faculty Mentoring, 2004-2005  
Parking & Security Committee, 2002-2003  
Search Committee, Director of McDermott Library, 2000  
Chair, Faculty Third-Year Review Committee, General Studies, 1999-2000  
Campus Facilities Oversight Committee, 1999-2000  
Committee on Research involving Human Subjects, 1997-1999  
Co-Chair for Association of Professional Women, 1998-1999  
Vice Co-Chair for Association of Professional Women, 1997-1998  
Task Force on Teaching TAs to Teach, 1994-1995  
University Committee on Research, 1993-1995  
Health Professions Advisory Committee, 1989-1990, 1992-2001, 2003, 2005  
Library Committee, 1991-1992  
Undergraduate Curriculum Subcommittee on Junior Transfer Problems, 1989-1990