

# Janet F. Werker

## *Curriculum Vitae*

### **Contact Info**

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### **Education**

UBC	PhD	Psychology	07/1979 -11/1982	Dr. Richard Tees
UBC	MA	Psychology	09/1976 - 06/1979	Dr. Richard Tees
Harvard University	BA cum laude	Psychology & Social Relations	09/1972 - 06/1974	Drs. Sheldon White & John Whiting

### **Employment**

University of British Columbia	Full Professor	Psychology	Since 1994
University of British Columbia	Associate Professor	Psychology	1989–1994
University of British Columbia	Assistant Professor	Psychology	1986–1989
Dalhousie University	Assistant Professor	Psychology	1982–1986

### **Awards & Distinctions**

- Member, National Academy of Sciences, Since April 2020
- William James Fellow Award, Association for Psychological Science, 2019
- Killam Prize in the Social Sciences, Canada Council for the Arts, 2018
- Officer of the Order of Canada, Since 2017
- Pickering Award for Outstanding Contribution to Developmental Psychology in Canada, 2017
- University Killam Professor, University of British Columbia, Since 2016
- Gold Medal Impact Award, Social Sciences and Humanities Research Council, 2015
- Fellow, American Academy of Arts and Sciences, Since 2014
- Fellow, Cognitive Science Society, Since 2013
- Ann L. Brown Prize in Developmental Psychology, University of Iowa, November 2010
- Ida Cordelia Beam Distinguished Visiting Professor, DeLTA Center, University of Iowa, April 2010
- Honourary Member, DeLTA Center, University of Iowa, Since 2010
- Fellow, Association for Psychological Science, Since 2009
- Maryland-Blackwell Lectures, University of Maryland, November 2008
- Distinguished Visitor, Catholic University of Santiago, Chile, December 2007
- Jacob Biely Research Prize, University of British Columbia, 2007
- Fellow, American Association for the Advancement of Science, Since 2006
- Senior Fellow, Canadian Institute for Advanced Research (CIFAR), Since 2004
- Tier 1 Canada Research Chair, Social Sciences and Humanities Research Council, Since 2001
- Fellow, Royal Society of Canada, Since 2001
- Distinguished Visiting Scientist, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, March 2001
- Fellow, Canadian Psychological Association, Since 1996
- Killam Research Prize, University of British Columbia, 1991
- Killam Leave Fellowship, University of British Columbia, 1990-1991
- Alumni Prize for Research in the Social Sciences, University of British Columbia, 1990

## **Research Interests**

My research focuses on understanding the roots of language acquisition, by studying speech perception in infancy, the mechanisms by which native speech sound categories are acquired, and how speech perception supports early word learning and other facets of language acquisition. The work is positioned within a cascading critical/sensitive period perspective, which involves broad collaboration. In my lab we study infants from hours after birth up to toddler-hood using behavioral, electrophysiological (ERP), and non-invasive optical neural imaging using near-infrared spectroscopy (NIRS). We study infants growing up in different language environments, infants growing up bilingual, and infants with, or at risk for, developmental disabilities. Adult studies focus on speech perception and lexical processing of both spoken language and visual speech, and involve behavioral and neuroimaging studies. Increasingly, our focus is much more contextualized, studying speech perception development as a multisensory, multimodal activity embedded in a social-cultural context. This research would not have been possible without the exceptional graduate students (25 to date) and postdoctoral fellows (31 including those current) I have supervised.

## **Continuing Education & Community Outreach** (Last 5 years)

- Werker, J.F. (2020, September 24). *Babies growing up bilingual*. Invited Speaker to the UBC Parent Council Speaker Series, University of British Columbia, Vancouver, BC, Canada (Virtual).
- Werker, J.F. (2019, May 25). Round-table discussion with students at the *Champions of Psychological Science*, sponsored by the APS Student Caucus at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science, Washington, DC, USA.
- Werker, J.F. (2019, March 22). “Lunch with Leaders” Round-table discussion with students at the Society for Research in Child Development (SRCDD) Biennial Meeting, Baltimore, MD, USA.
- Gysi, S. (2018, May 30). *Babies’ brains are equipped to handle more than one language*. Interview with Dr. Janet F. Werker on monolingual and bilingual language acquisition for the Blog on Learning and Development (BOLD), an interdisciplinary initiative for parents. BOLD is supported by the Jacobs Foundation and dedicated to spreading the word about how children and young people develop and learn. [<https://bold.expert/babies-brains-are-equipped-to-handle-more-than-one-language>]
- Werker, J.F. (2018, May 27). *Language acquisition begins long before the first word*. Invited guest speaker at the Annual General Meeting of KidCareCanada, Vancouver, BC, Canada.
- Werker, J.F. (2017, November 17). *The Language of Success: Innovation in Early Child Development*. Invited guest speaker at Joyce Murray’s MP Breakfast Connections Series, Vancouver, BC, Canada.
- Werker, J.F. (2017, April 28). *Perceptual Foundations of Language Acquisition in Monolingual- and Bilingual-learning Infants*. Lecture and guided tour of the Infant Studies Centre. Pre-Conference: Supporting Practice, Advocacy, Research, and Knowledge (SPARK): The Early Years, Early Childhood Education Program and the Institute for Early Childhood Education and Research, University of British Columbia, Vancouver, Canada.
- Werker, J.F. (2017, March 3). *Baby Talk*. [Introduction]. Public viewing at Vancity Theatre of the documentary *Babies* with an introduction by Dr. Janet F. Werker, part of the “Movies for Mommies” event series in Vancouver, BC, Canada.
- Werker, J.F. (2017, March 3). Guided tour of the Infant Studies Centre for Aboriginal students from École Mission Senior Secondary School (Mission, BC, Canada), University of British Columbia, Vancouver, BC, Canada.

- Werker, J.F. (2017, January 23). *Baby Talk: How language learning begins before birth*. Public viewing at Vancity Theatre of the documentary *Babies* followed by a Q&A session with the audience lead by Dr. Janet F. Werker (UBC) and colleague Dr. Byers-Heinlen (Concordia University), Vancouver, BC, Canada. Presented by UBC's VPRI Office and Office of the Provost & VP Academic in partnership with the Peter Wall Institute for Advanced Studies and Alumni UBC.
- Werker, J.F. (2016, May 12). *Bilingual Babies*. Public lecture at Telus World of Science; Sponsored by the University of British Columbia's Faculty of Arts and Department of Psychology in recognition of Dr. Werker's SSHRC Gold Medal Award, Vancouver, BC, Canada.

## **Publications**

### **Journal Articles**

- The ManyBabies Consortium, with Werker J.F. and 27 others (accepted). A multi-lab study of bilingual infants: Exploring the preference for infant-directed speech. *Journal of Child Language*.
- Choi, D., Batterink, L., Black, A., & Werker, J.F. (2020). Prelingual infants discover statistical word patterns at similar rates as adults: Evidence from neural entrainment. *Psychological Science*, *31*(9), 1161-1173.
- de la Cruz Pavía, I., Gervain, J., Vatikiotis-Bateson, E. & Werker, J.F., (2020). Coverbal speech gestures signal phrase boundaries: A production study of Japanese and English infant- and adult-directed speech. *Language Acquisition*, *27*(2), 160-186.
- de la Cruz Pavía, I., Werker, J.F., Vatikiotis-Bateson, E. & Gervain, J. (2020). Finding phrases: The interplay of word frequency, phrasal prosody and co-verbal visual information in chunking speech by monolingual and bilingual adults. *Language and Speech*, *63*(2), 264-291.
- The ManyBabies Consortium, with Werker J.F., and 148 others (2020). Quantifying sources of variability in infancy research using the infant-directed speech preference. *Advances in Methods and Practices in Psychological Science*, *3*(1), 24-52.
- Maurer, D., Ghouloum, J.K., Gibson, L.C., Watson, M., Chen, L.M., Akins, K., Enns, J., Hensch, T.K. & Werker, J.F. (2020). Reduced Perceptual Narrowing in Synesthesia. *Proceedings of the National Academy of Sciences*, *117*(18), 10089-10096.
- Reh, R., Dias, B., Nelson, C. Kaufer, D., Werker, J.F., Kolb, B., Levine, J., & Hensch, T.K. (2020). Critical period regulation across multiple timescales. *Proceedings of the National Academy of Sciences*, *117*(38), 23242-23251.
- Choi, D., Bruderer, A.G., & Werker, J.F. (2019). Sensorimotor influences on speech perception in pre-babbling infants – replication and extension of Bruderer et al. (2015). *Psychonomic Bulletin & Review*, *26*(4), 1388-1399.
- de la Cruz Pavía, I., Gervain, J., Vatikiotis-Bateson, E., & Werker, J.F. (2019). Finding phrases: On the role of co-verbal facial information in learning word order in infancy. *PLOS ONE*, *14*(11), e0224786.
- May, L., Baron, A.S., & Werker, J.F. (2019). Who can speak that language? Eleven-month-old infants have language-dependent expectations regarding speaker ethnicity. *Developmental Psychobiology*, *61*(6), 859-873.
- Rotem-Kohavi, N., Williams, L.J., Muller, A.M., Abdi, H., Virji-Babul, N., Bjornson, B.H., Brain, U., Werker, J.F., Grunau, R.E., Miller, S.P., & Oberlander, T.F. (2019). Hub distribution of the brain functional networks of newborns prenatally exposed to maternal depression and SSRI antidepressants. *Depression & Anxiety*, *36*(8), 753-765.
- Choi, D., Black, A., & Werker, J.F. (2018). Cascading and multisensory influences on speech perception development. *Mind, Brain, & Education*, *12*(4), 212-223.
- Curtin, S., & Werker, J.F. (2018). PRIMIR on Tone [Opinion]. *Frontiers in Psychology* [Special Issue on Lexical Tone Perception in Infants and Young Children: Empirical Studies and Theoretical Perspectives], *9*, 1007.

- Rotem-Kohavi, N., Williams, L.J., Virji-Babul, N., Bjornson, B.H., Brain, U., Werker, J.F., Grunau, R.E., Miller, S.P., & Oberlander, T. (2018). Alterations in resting state networks following in utero SSRI exposure in the neonatal brain. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 4(1), 39-49.
- Werker, J.F. (2018). Perceptual beginnings to language acquisition. [Target article with peer commentaries]. *Applied Psycholinguistics*, 39(4), 703-728.
- Danielson, D.K., Bruderer, A.G., Kandhadai, P., Vatikiotis-Bateson, E., & Werker, J.F. (2017) The organization and reorganization of audiovisual speech perception in the first year of life. *Cognitive Development*, 42, 37-48.
- Havy, M., Foroud, A., Fais, L., & Werker, J.F. (2017). The role of auditory and visual speech in word-learning at 18 months and in adulthood. *Child Development*, 88(6), 2043-2059.
- Kandhadai, P., Hall, D.G., & Werker, J.F. (2017). Second label learning in monolingual and bilingual infants. *Developmental Science*, 20(1), e12429.
- Kemp, N., Scott, J., Bernhardt, B.M., Johnson, C.E., Siegel, L.S., & Werker, J.F. (2017). Minimal Pair Word Learning and Vocabulary Size: Links with Later Language Skills. *Applied Psycholinguistics*, 38(2), 289-314.
- May, L., Gervain, J., Carreiras, M., & Werker, J.F. (2017). The specificity of the neural response to speech at birth. *Developmental Science*, e12564.
- Gervain, J., Werker, J.F., Black, A., & Geffen, M.N. (2016). The neural correlates of processing scale-invariant environmental sounds at birth. *Neuroimage*, 133, 144-150.
- Bruderer, A.G., Danielson, D.K., Kandhadai, P., & Werker, J.F. (2015). Sensorimotor influences on speech perception in infancy. *Proceedings of the National Academy of Sciences*, 112(44), 13531-13536.
- Gurnot, C., Martin-Subero, J., Mah, J., Weikum, W., Goodman, S., Brain, U., Werker, J.F., Kobor, M., Esteller, M., Oberlander, T., & Hensch, T.K. (2015). Prenatal antidepressant exposure associated with CYP2E1 DNA methylation change in neonates. *Epigenetics*, 10(5), 361-372.
- Werker, J.F., & Hensch, T.K. (2015). Critical Periods in Speech Perception: New Directions. *Annual Review of Psychology*, 66, 173-196.
- Gervain, J., Werker, J.F., & Geffen, M.N. (2014). Category-specific processing of scale-invariant sounds in infancy. *PLoS ONE*, 9(5), e96278.
- Kandhadai, P., Danielson, D.K., & Werker, J.F. (2014). Culture as a binder for bilingual acquisition. *Trends in Neuroscience and Education*, 3, 24-27.
- Maurer, D., & Werker, J.F. (2014). Perceptual Narrowing During Infancy: A Comparison of Language and Faces. *Developmental Psychobiology*, 56, 154-178.
- May, L., & Werker, J.F. (2014). Can a Click be a Word?: Infants' Learning of Non-Native Words. *Infancy*, 19(3), 281-300.
- Molavi, B., May, L., Gervain, J., Carreiras, M., Werker, J.F., & Dumont, G.A. (2014). Analyzing the resting state functional connectivity in the human language system using near infrared spectroscopy. *Frontiers in Human Neuroscience*, 7, 921.
- Yeung, H.H., Chen, L. & Werker, J.F. (2014). Referential labeling can facilitate phonetic learning in infancy. *Child Development*, 85(3), 1036-1049.
- Zamuner, T., Fais, L. & Werker, J.F. (2014). Infants track word forms in early word-object associations. *Developmental Science*, 17(4), 481-491.
- Byers-Heinlein, K., Fennell, C.T., & Werker, J.F. (2013). The development of associative word learning in monolingual and bilingual infants. *Bilingualism: Language and Cognition*, 16(1), 198-205.
- Byers-Heinlein, K., & Werker, J.F. (2013). Lexicon Structure and the Disambiguation of Novel Words: Evidence from Bilingual Infants. *Cognition*, 128(3), 407-416.
- Gervain, J., Vines, B.W., Chen, L.M., Seo, R.J., Hensch, T.K., Werker, J.F., & Young, A.H. (2013). Valproate reopens critical-period learning of absolute pitch. *Frontiers in Systems Neuroscience*, 7, 102.

- Gervain, J., & Werker, J.F. (2013). Learning non-adjacent regularities at 0;7. *Journal of Child Language*, 40(4), 860-872.
- Gervain, J., & Werker, J.F. (2013). Prosody cues word order in 7-month-old bilingual infants. *Nature Communications*, 4.
- Scott, M., Yeung, H.H., Gick, B., & Werker, J.F. (2013). Inner speech captures the perception of external speech. *Journal of the Acoustical Society of America*, 133(4), 286-293.
- Weikum, W.M., Vouloumanos, A., Navarra, J., Soto-Faraco, S., Sebastián-Gallés, N., & Werker, J.F. (2013). Age-related sensitive periods influence visual language discrimination in adults. *Frontiers in Systems Neuroscience*, 7, 86.
- Yeung, H.H., Chen, K.H., & Werker, J.F. (2013). When does native language input affect phonetic perception? The precocious case of lexical tone. *Journal of Memory and Language*, 68(2), 123-139.
- Yeung, H.H., & Werker, J.F. (2013). Lip movements affect infant audiovisual speech perception. *Psychological Science*, 24(5), 603-612.
- Fais, L., Werker, J.F., Brown, C., Leibowich, J., Barbosa, A.V., & Vatikiotis-Bateson, E. (2012). Here's looking at you, baby: What gaze and movement reveal about minimal pair word-object association at 14 months. *Journal of Laboratory Phonology*, 3, 91-124.
- Gervain, J., Berent, I., & Werker, J. (2012). Binding at birth: The newborn brain detects identity relations and sequential position in speech. *Journal of Cognitive Neuroscience*, 24(3), 564-574.
- Palmer, S.B., Fais, L., Golinkoff, R.M., & Werker, J.F. (2012). Perceptual narrowing of linguistic sign occurs in the first year of life. *Child Development*, 83(2), 543-553.
- Pena, M., Werker, J.F., & Dehaene-Lambertz, G. (2012). Earlier speech exposure does not accelerate speech acquisition. *Journal of Neuroscience*, 32(33), 11159-11163.
- Pons, F., Biesanz, J.C., Kajikawa, S., Fais, L., Narayan, C.R., Amano, S., & Werker, J.F. (2012). Phonetic category cues in adult-directed speech: evidence from three different languages with distinct vowel characteristics. *Psicológica*, 33, 175-207.
- Sebastián-Gallés, N., Albareda, B., Weikum, W., & Werker, J.F. (2012). A bilingual advantage in visual language discrimination in infancy. *Psychological Science*, 23(9), 994-999.
- Small, S.A., & Werker, J.F. (2012). Does the ACC have potential as an index of early speech discrimination ability? A preliminary study in four-month-old infants with normal hearing. *Ear & Hearing*, 33(6), e59-e69.
- Weikum, W.M., Oberlander, T.F., Hensch, T.K., & Werker, J.F. (2012). Prenatal exposure to antidepressants and depressed maternal mood alter trajectory of infant speech perception. *Proceedings of the National Academy of Sciences*, 109(2), 17221-17227.
- Werker, J.F., Yeung, H.H., & Yoshida, K. (2012). How do infants become experts at native speech perception? *Current Directions in Psychological Science*, 21(4), 221-226.
- Werker, J.F. (2012). Perceptual Foundations of Bilingual Acquisition in Infancy. *Annals of the New York Academy of Sciences: The Year in Cognitive Neuroscience*, 1251, 50-61.
- Curtin, S., Byers-Heinlein, K., & Werker, J.F. (2011). Bilingual beginnings as a lens for theory development: PRIMIR in focus. *Journal of Phonetics*, 39, 492-504.
- Geffen, M.N., Gervain, J., Werker, J.F., & O Magnasco, M. (2011). Auditory perception of self-similarity in water sounds. *Frontiers in Integrative Neuroscience*, 5:15.
- Gervain, J., Mehler, J., Werker, J.F., Nelson, C.A., Csibra, C., Lloyd-Fox, S., Shukla, M., & Aslin, R.N. (2011). Near-Infrared Spectroscopy: A Report from the McDonnell Infant Methodology Consortium. *Developmental Cognitive Neuroscience*, 1(1), 22-46.
- May, L., Byers-Heinlein, K., Gervain, J., & Werker, J.F. (2011). Language and the newborn brain: does prenatal language experience shape the neonate neural response to speech? *Frontiers in Language Sciences*, 2(222), 1-9. Reprinted in: J. Gervain (Ed.), *Near-Infrared Spectroscopy: Recent Advances in Infant Speech Perception and Language Acquisition Research* (pp. 26-34). Frontiers in Psychology eBook, Frontiers, SA, 2015.

- Byers-Heinlein, K., Burns, T.C., & Werker, J.F. (2010). The roots of bilingualism in newborns. *Psychological Science, 21*(3), 343-348.
- Fais, L., Kajikawa, S., Amano, S., & Werker, J.F. (2010). Now you hear it, now you don't: Vowel devoicing in Japanese infant-directed speech. *Journal of Child Language, 37*(2), 319-340.
- Narayan, C., Werker, J.F., & Beddor, P.S. (2010). The interaction between acoustic salience and language experience in developmental speech perception: Evidence from nasal place discrimination. *Developmental Science, 13*(3), 407-420.
- Vouloumanos, A., Hauser, M.D., Werker, J.F., & Martin, A. (2010). The tuning of human neonates' preference for speech. *Child Development, 81*(2), 517-527.
- Yoshida, K.A., Iversen, J.R., Patel, A.D., Mazuka, R., Nito, H., Gervain, J., & Werker, J.F. (2010). The development of perceptual grouping biases in infancy: A Japanese-English cross-linguistic study. *Cognition, 115*(2), 356-561.
- Yoshida, K.A., Pons, F., Maye, J., & Werker, J.F. (2010). Distributional phonetic learning at 10 months of age. *Infancy, 15*(4), 420-433.
- Byers-Heinlein, K., & Werker, J.F. (2009). Monolingual, bilingual, trilingual: Infants' language experience influences the development of a word learning heuristic. *Developmental Science, 12*(5), 815-823.
- Fais, L., Kajikawa, S., Amano, S., & Werker, J.F. (2009). Infant discrimination of a morphologically relevant word-final contrast. *Infancy, 14*(4), 488-499.
- Mugitani, R., Pons, F., Fais, L., Werker, J.F., & Amano, S. (2009). Perception of vowel length by Japanese- and English-learning infants. *Developmental Psychology, 45*(1), 236-247.
- Vouloumanos, A., & Werker, J.F. (2009). Infants' learning of novel words in a stochastic environment. *Developmental Psychology, 45*(6), 1611-1617.
- Werker, J.F., Byers-Heinlein, K., & Fennell, C. (2009). Bilingual beginnings to learning words. *Philosophical Transactions of the Royal Society B: Biological Sciences, 364*(1536), 3649-3663.
- Yeung, H.H., & Werker, J.F. (2009). Learning words' sounds before learning how words sound: 9-month-olds use distinct objects as cues to categorize speech information. *Cognition, 113*(2), 234-243.
- Yoshida, K.A., Fennell, C.T., Swingle, D., & Werker, J.F. (2009). Fourteen-month-old infants learn similar sounding words. *Developmental Science, 12*(3), 412-418.
- Werker, J.F., & Byers-Heinlein, K. (2008). Bilingualism in infancy: First steps in perception and comprehension of language. *Trends in Cognitive Sciences, 12*(4), 144-151.
- Bernhardt, B.M., Kemp, N., & Werker, J.F. (2007). Early word-object associations and later language development. *First Language, 27*(4), 315-328.
- Burns, T.C., Yoshida, K.A., Hill, K., & Werker, J.F. (2007). The development of phonetic representation in bilingual and monolingual infants. *Applied Psycholinguistics, 28*(3), 455-474.
- Dietrich, C., Swingle, D., & Werker, J.F. (2007). Native language governs interpretation of salient speech sound differences at 18 months. *Proceedings of the National Academy of Sciences, USA, 104*(41), 16027-16031.
- Fennell, C.T., Byers-Heinlein, K., & Werker, J.F. (2007). Using speech sounds to guide word learning: The case of bilingual infants. *Child Development, 78*(5), 1510-1525.
- Mugitani, R., Fais, L., Kajikawa, S., Werker, J.F., & Amano, S. (2007). Age-related changes in sensitivity to native phonotactics in Japanese infants. *Journal of the Acoustical Society of America, 122*(3), 1332-1335.
- Soto-Faraco, S., Navarro, J., Weikum, W., Vouloumanos, A., Sebastián-Gallés, N., & Werker, J.F. (2007). Discriminating languages by speech-reading. *Perception and Psychophysics, 69*(2), 218-231.
- Vallabha, G.K., McClelland, J., Pons, F., Werker, J.F., & Amano, S. (2007). Unsupervised learning of vowel categories from infant-directed speech. *Proceedings of the National Academy of Sciences, USA, 104*(33), 13273-13278.

- Vouloumanos, A., & Werker, J.F. (2007). Listening to language at birth: Evidence for a bias for speech in neonates. *Developmental Science*, *10*(2), 159-164.
- Weikum, W., Vouloumanos, A., Navarro, J., Soto-Faraco, S., Sebastián-Gallés, N., & Werker, J.F. (2007). Visual language discrimination in infancy. *Science*, *316*(5828), 1159.
- Werker, J.F., Pons, F., Dietrich, C., Kajikawa, S., Fais, L., & Amano, S. (2007). Infant-directed speech supports phonetic category learning in English and Japanese. *Cognition*, *103*(1), 147-162.
- Kajikawa, S., Fais, L., Mugitani, R., Werker, J.F., & Amano, S. (2006). Cross-language sensitivity to phonotactic patterns in infants. *Journal of the Acoustical Society of America*, *120*(4), 2278-2284.
- Shi, R., Cutler, A., Werker, J.F., & Cruickshank, M. (2006). Frequency and form as determinants of functor sensitivity in English-acquiring infants. *Journal of the Acoustical Society of America*, *119*(6), EL61-EL67.
- Shi, R., Werker, J.F., & Cutler, A. (2006). Recognition and representation of function words in English-learning infants. *Infancy*, *10*(2), 187-198.
- Weinstein, S., Werker, J.F., Vouloumanos, A., Woodward, T.S., & Ngan, E.T.C. (2006). Do you hear what I hear? Neural correlates of thought disorder during listening to speech in schizophrenia. *Schizophrenia Research*, *86*(1-3), 130-137.
- Fais, L., Kajikawa, S., Werker, J.F., & Amano, S. (2005). Japanese listeners' perceptions of phonotactic violations. *Speech and Language*, *48*(2), 185-201.
- Werker, J.F., & Curtin, S. (2005). PRIMIR: A developmental framework of infant speech processing. *Language Learning and Development*, *1*(2), 197-234.
- Werker, J.F., & Tees, R.C. (2005). Speech perception as a window for understanding plasticity and commitment in language systems of the brain. *Developmental Psychobiology*, *46*(3), 233-251.
- Werker, J.F., & Yeung, H.H. (2005). Infant speech perception bootstraps word learning. *Trends in Cognitive Sciences*, *9*(11), 519-527.
- Desjardins, R., & Werker, J.F. (2004). Is the integration of heard and seen speech mandatory for infants? *Developmental Psychobiology*, *45*(4), 187-203.
- Mills, D.L., Prat, C., Zangl, R., Stager, C.L., Neville, H.J., & Werker, J.F. (2004). Language experience and the organization of brain activity to phonetically similar words: ERP evidence from 14- and 20-month olds. *Journal of Cognitive Neuroscience*, *16*(8), 1-13.
- Pater, J., Stager, C.L., & Werker, J.F. (2004). The perceptual acquisition of phonological contrasts. *Language*, *80*(3), 384-402.
- Vouloumanos, A., & Werker, J.F. (2004). Tuned to the signal: The privileged status of speech for young infants. *Developmental Science*, *7*(3), 270-276.
- Chong, S.E., Werker, J.F., Russell, J.A., & Carroll, J.M. (2003). Three facial expressions mothers direct to their infants. *Infant and Child Development*, *12*(3), 211-232.
- Fennell, C.T., & Werker, J.F. (2003). Early word learners' ability to access phonetic detail in well-known words. *Language and Speech*, *46*(2), 245-264.
- Ngan, E.T.C., Vouloumanos, A., Cairo, T.A., Laurens, K.R., Bates, A.T. Anderson, C.M., Werker, J.F., & Liddle P.F. (2003). Abnormal processing of speech during oddball target detection in schizophrenia. *NeuroImage*, *20*(2), 889-897.
- Patterson, M.L., & Werker, J.F. (2003). Two-month-old infants match phonetic information in lips and voice. *Developmental Science*, *6*(2), 191-196.
- Shi, R., & Werker, J.F. (2003). The basis of preference for lexical words in 6-month-old infants. *Developmental Science*, *6*(5), 484-488.
- Werker, J.F. (2003). Baby steps to learning language. *Journal of Pediatrics (Supplement: Special Issue)*, *143*(4), S62-S69.
- Aslin, R.N., Werker, J.F., & Morgan, J.L. (2002). Innate phonetic boundaries revisited. *Journal of the Acoustical Society of America*, *112*(4), 1257-1260.
- Maye, J., Werker, J.F., & Gerken, L.A. (2002). Infant sensitivity to distributional information can affect phonetic discrimination. *Cognition*, *82*(3), B101-B111.

- Patterson, M.L., & Werker, J.F. (2002). Infants' ability to match dynamic phonetic and gender information in the face and voice. *Journal of Experimental Child Psychology*, 81(1), 93-115.
- Werker, J.F., Fennell, C.T., Corcoran, K., & Stager, C.L. (2002). Infants' ability to learn phonetically similar words: Effects of age and vocabulary size. *Infancy*, 3(1), 1-30.
- Werker, J.F., & Tees, R.C. (2002). Cross-language speech perception: Evidence for perceptual reorganization during the first year of life. *Infant Behavior and Development*, 25(1), 121-133. (Original work published 1984)
- Innis, S.M., Gilley, J., & Werker, J.F. (2001). Are human milk long-chain polyunsaturated fatty acids growth related to visual and neural development in breast-fed term infants? *Journal of Pediatrics*, 139(4), 532-538.
- Neville, H., Mehler, J., Newport, E., Werker, J.F., & McClelland, J. (2001). Language [Special issue: The Developing Human Brain]. In M.I. Posner, M.K. Rothbart, M. Farah, & J. Bruer (Eds.), *Developmental Science*, 4(3), 293-312.
- Shi, R., & Werker, J.F. (2001). Six-month-old infants' preference for lexical over grammatical words. *Psychological Science*, 12(1), 70-75.
- Vouloumanos, A., Kiehl, K., Werker, J.F., & Liddle, P. (2001). Detection of sounds in the auditory stream: Event-related fMRI evidence for differential activation to speech and nonspeech. *Journal of Cognitive Neuroscience*, 13(7), 994-1005.
- Patterson, M.L., & Werker, J.F. (1999). Matching phonetic information in face and voice is robust in 4.5-month-old infants. *Infant Behavior and Development*, 22(2), 237-247.
- Shi, R., Werker, J.F., & Morgan, J.L. (1999). Newborn infants' sensitivity to perceptual cues to lexical and grammatical words. *Cognition*, 72(2), B11-B21.
- Werker, J.F., Cohen, L.B., Lloyd, V., Stager, C.L., & Casasola, M. (1998). Acquisition of word-object associations by 14-month-old infants. *Developmental Psychology*, 34(6), 1289-1309.
- Desjardins, R.N., Rogers, J., & Werker, J.F. (1997). An exploration of why preschoolers perform differently than do adults in audiovisual speech perception tasks. *Journal of Experimental Child Psychology*, 66(1), 85-110.
- Pegg, J.E., & Werker, J.F. (1997). Adult and infant perception of two English phones. *Journal of the Acoustical Society of America*, 102(6), 3742-3753.
- Stager, C.L., & Werker, J.F. (1997). Infants listen for more phonetic detail in speech perception than in word learning tasks. *Nature*, 388(6640), 381-382.
- Werker, J.F., Polka, L., & Pegg, J.E. (1997). The conditioned head turn procedure as a method for assessing infant speech perception. *Early Development & Parenting*, 6(3-4), 171-178.
- Lalonde, C., & Werker, J.F. (1995). Cognitive influences on cross-language speech perception in infancy. *Infant Behavior and Development*, 18(4), 459-476.
- Werker, J.F., & Desjardins, R.N. (1995). Listening to speech in the first year of life: Experiential influences on phoneme perception. *Current Directions in Psychological Sciences*, 4(3), 76-81. Reprinted in: In M. Tomasello & E. Bates (Eds.), *Language development: The essential readings* (pp. 26-33). Oxford: Blackwell Publishers, 1997, and In T. F. Pettijohn (Ed.), *Sources: Notable Selections in Psychology*. Guilford, CT: Dushkin Publishing Group/Brown and Benchmark Publishers, 1996.
- Polka, L., & Werker, J.F. (1994). Developmental changes in perception of non-native vowel contrasts. *Journal of Experimental Psychology: Human Perception and Performance*, 20(2), 421-435.
- Werker, J.F., Pegg, J.E., & McLeod, P. (1994). A cross-language comparison of infant preference for infant-directed communication. *Infant Behavior and Development*, 17(3), 323-333.
- Werker, J.F., & Polka, L. (1993). Developmental changes in speech perception: New challenges and new directions. *Journal of Phonetics*, 21(1-2), 83-101.
- Pegg, J.E., Werker, J.F., & McLeod, P.J. (1992). Preference for infant-directed over adult-directed speech: Evidence from 7-week-old infants. *Infant Behavior and Development*, 15(3), 325-345.



- Werker, J.F., McGurk, H.E., & Frost, P. (1992). La langue et les lèvres: Cross-language influences on bimodal speech perception. *Canadian Journal of Psychology*, 46(4), 551-568.
- Werker, J.F. (1991). Becoming a native listener: A developmental perspective on human speech perception. In J. S. DeLoache (Ed.), *Current readings in child development* (pp. 99-106). Boston: Allyn and Bacon. (Original work published 1989)
- Schrans, T., Werker, J.F., & Brown, R.E. (1990). Developmental differences in the accuracy of reporting the causal determinants of behaviours. *International Journal of Behavioral Development*, 13(2), 251-262.
- Bryson, S.E., & Werker, J.F. (1989). Toward understanding the problem in severely disabled readers. Part I: Vowel errors. *Applied Psycholinguistics*, 10(1), 1-12.
- Werker, J.F., Bryson, S.E., & Wassenberg, K. (1989). Toward understanding the problem in severely disabled readers. Part II: Consonant errors. *Applied Psycholinguistics*, 10(1), 13-30.
- Werker, J.F., & McLeod, P.J. (1989). Infant preference for both male and female infant-directed talk: A developmental study of attentional and affective responsiveness. *Canadian Journal of Psychology*, 43(2), 230-246.
- Werker, J.F. (1989). Becoming a native listener: A developmental perspective on human speech perception. *American Scientist*, 77(1), 54-59. Reprinted in: J. S. DeLoache (Ed.), *Current readings in child development* (2nd ed., pp. 88-95). Boston: Allyn and Bacon, 1994.
- Werker, J.F., & Lalonde, C.E. (1988). Cross-language speech perception: Initial capabilities and developmental change. *Developmental Psychology*, 24(5), 672-683.
- Werker, J.F., & Tees, R.C. (1987). Speech perception in severely disabled and average reading children. *Canadian Journal of Psychology*, 41(1), 48-61. [Figure 2 reprinted in Takeda, K., & Wobuko, O. "Learning disability and temporal lobe." *Temporal Lobe.*]
- Werker, J.F. (1986). The effect of multilingualism on phonetic perceptual flexibility. *Applied Psycholinguistics*, 7(2), 141-155.
- Werker, J.F., & Logan, J.S. (1985). Cross-language evidence for three factors in speech perception. *Perception and Psychophysics*, 37(1), 35-44.
- Tees, R.C., & Werker, J.F. (1984). Perceptual flexibility: Maintenance or recovery of the ability to discriminate non-native speech sounds. *Canadian Journal of Psychology*, 38(4), 579-590.
- Werker, J.F., & Tees, R.C. (1984). Cross-language speech perception: Evidence for perceptual reorganization during the first year of life. *Infant Behavior and Development*, 7(1), 49-63. Reprinted in: J. L. Miller, R. D. Kent & B. S. Atal (Eds.), *Papers in speech communication: Speech perception* (pp. 733-747). New York: Acoustical Society of America Oress, 1992
- Werker, J.F., & Tees, R.C. (1984). Phonemic and phonetic factors in adult cross-language speech perception. *Journal of the Acoustical Society of America*, 75(6), 1866-1878.
- Werker, J.F., & Tees, R.C. (1983). Developmental changes across childhood in the perception of non-native speech sounds. *Canadian Journal of Psychology*, 37(2), 278-286. Reprinted in: In M. Courage (Ed.), *Readings in Developmental Psychology* (pp. 229-239). Peterborough, ON: Broadview Press, 1988.
- Werker, J.F., Gilbert, J.H.V., Humphrey, G.K., & Tees, R.C. (1981). Developmental aspects of cross-language speech perception. *Child Development*, 52(1), 349-355.
- Humphrey, K., Tees, R.C., & Werker, J.F. (1979). Auditory-visual integration of temporal relations in infants. *Canadian Journal of Psychology*, 33(4), 347-352.

### **Commentaries, Introductions & Book Reviews**

- Reh, R., Arredondo, M., & Werker, J.F. (2018). Understanding individual variation in levels of second language attainment through the lens of critical period mechanisms. [Commentary on "Rethinking the critical period for language: New insights into an old question from American Sign Language" by R. L. Mayberry & K. Kluender]. *Bilingualism: Language and Cognition*, 21(5), 930-931.

- Werker, J.F. (2018). Speech perception, word learning, and language acquisition in infancy: The voyage continues. [Reply to Commentaries]. *Applied Psycholinguistics*, 39(4), 769-777.
- Bialystok, E., & Werker, J.F. (2017). The Systematic Effects of Bilingualism on Children's Development [Introduction to Special Issue on Bilingualism]. *Developmental Science*, 20, e12535.
- Choi, D., Kandhadai, P., Danielson, D.K., Bruderer, A.G., & Werker, J.F. (2017). Does early motor development contribute to speech perception? [Peer commentary on "Neonatal Imitation in Context: Sensory-Motor Development in the Perinatal Period" by N. Keven & K.A. Akins]. *Behavioral and Brain Sciences*, 40, e388.
- Werker, J.F. (2012) [Review of the book *Discovering Speech, Words and Mind*]. *Language*, 88(1), 185-188.
- Vouloumanos, A., & Werker, J.F. (2007). Why voice melody alone cannot explain neonates' preference for speech. [Reply]. *Developmental Science*, 10(2), 169-171.
- Werker, J.F., Hall, D.G., & Fais, L. (2004). Reconstruing U-shaped Functions. [Commentary]. *Journal of Cognition and Development*, 5(1), 147-151.
- Aslin, R.N., Werker, J.F., & Morgan, J.L. (2002). Innate phonetic boundaries revisited. *Journal of the Acoustical Society of America*, 112(4), 1257-1260.
- Werker, J.F., & Patterson, M.L. (2001). Does perceptual learning really contribute to word-learning [Electronic version]? *Developmental Science*, 4(1), 26-28.
- Werker, J.F., & Vouloumanos, A. (2000). Who's got rhythm? [Invited Perspective]. *Science*, 288(5464), 280-281. [Republished on 8 May 2000 as Langage en collaboration avec le magazine 'Science'; Les animaux reconnaissent aussi le rythme de chaque langue. *Le Figaro*.]
- Werker, J.F., & Stager, C.L. (1995). [Review of the book *What infants know: The new cognitive science of early development*]. *Early Development & Parenting*, 4(2), 90.1-2.
- Werker, J.F. (1993). The contribution of the relation between vocal production and perception to a phonological system. [Commentary]. *Journal of Phonetics*, 21, 177-180.
- Werker, J.F. (1989). [Peer commentary on "Infants' perception of musical sequences: Implications for language acquisition" by Sandra Trehub]. *Journal of Speech-Language Pathology and Audiology*, 13(3), 13-14.
- Werker, J.F. (1988). [Review of the book *Language Learning and Concept Acquisition: Foundational Issues*]. *Canadian Journal of Behavioural Sciences*, 20(1), 113-116.
- Werker, J.F. (1984). [Review of the book *Phonological Acquisition and Change*]. *Applied Psycholinguistics*, 5(4), 383-387.

### **Conference Proceedings**

- Danielson, D.K., Tam, C., Kandhadai, P., & Werker, J.F. (2016). Infants' use of temporal and phonetic information in the encoding of audiovisual speech. *Journal of the Canadian Acoustic Association*, 44(3), 192-193.
- Burns, T.C., Werker, J.F., & McVie, K. (2004). Development of phonetic categories in infants raised in bilingual and monolingual environments. In B. Beachley, A. Brown, & F. Conlin (Eds.), *Proceedings of the 27<sup>th</sup> annual Boston University Conference on Language Development*. Somerville, MA: Cascadilla Press.
- Curtin, S., & Werker, J.F. (2004). Patterns of new word-object associations. In B. Beachley, A. Brown, & F. Conlin (Eds.), *Proceedings of the 27<sup>th</sup> annual Boston University Conference on Language Development* (pp. 120-128). Somerville, MA: Cascadilla Press.
- Fennell, C.T., & Werker, J.F. (2004). Infant attention to phonetic detail: Knowledge and familiarity effects. In B. Beachley, A. Brown, & F. Conlin (Eds.), *Proceedings of the 27<sup>th</sup> annual Boston University Conference on Language Development* (pp. 165-176). Somerville, MA: Cascadilla Press.

- Shi, R., Werker, J.F., & Cutler, A. (2003). Function words in early speech perception. *Proceedings of the 15<sup>th</sup> International Conference of Phonetic Sciences* (pp. 3009-3012). Adelaide: Causal Productions.
- Werker, J.F. (2003). The acquisition of language specific phonetic categories in infancy. *Proceedings of the International Conference of Phonetic Sciences* (pp. 21-26). Adelaide: Causal Productions.

### **Book Chapters**

- Reh, R., & Werker, J.F. (2020). Infant Speech Perception. In J. Lochman & C. Tamis-Lemonda (Eds). *Cambridge Handbook of Infant Development* (pp. 579-601). Cambridge University Press.
- Werker, J.F., & Ward, L. (2018). Critical periods and early experience. In P. Tortell & M. Turin (Eds). *Memory* (pp. 121-128). Peter Wall Institute for Advanced Studies, University of British Columbia.
- Bowman, L.C., Pierce, L.J., Nelson, C.A., & Werker, J.F. (2018). The neural foundations of cognition and language. In R. Gibb & B. Kolb (Eds). *The Neurobiology of Brain and Behavioral Development* (pp. 257-290). Elsevier.
- Wojcik, E., de la Cruz Pavía, I., & Werker, J.F. (2017). Language Acquisition. *Oxford Research Encyclopedia of Psychology*. Oxford University Press. Online only.
- May, L., Zamuner, T., & Werker, J.F. (2017). Phonological development in first languages. In O. Kang, R. Thompson, & J.M. Murphy (Eds). *The Routledge Handbook of Contemporary English Pronunciation* (pp. 58-74). Abington: Routledge Press.
- Werker, J.F. & Gervain, J. (2013). Speech Perception: A Foundation for Language Acquisition. In P. Zelazo (Ed.), *The Oxford Handbook of Developmental Psychology* (pp. 909-925). Oxford University Press.
- Navarra, J., Yeung, H., Werker, J.F., Soto-Faraco, S. (2012). Multisensory interactions in speech perception. In B. Stein. (Ed.). *The New Handbook of Multisensory Processing* (pp. 207-228). Cambridge, MA: MIT Press.
- Soto-Faraco, S., Calabresi, M., Navarra, J., Werker, J.F. & Lewkowicz, D.J. (2012). Development of audiovisual speech perception. In A. Bremner, D. Lewkowicz and C. Spence (Eds). *Multisensory Development* (pp. 435-452). Oxford University Press.
- Werker, J.F., Maurer, D.M., & Yoshida, K. (2009). Perception. In M. Bornstein (Ed.), *Handbook of cultural developmental science* (pp. 89-125). New York, NY: Lawrence Erlbaum Associates.
- Gervain, J., & Werker, J.F. (2008). How infant speech perception contributes to language acquisition. In *Language and linguistic compass*, 2(6) (an on-line series; pp. 1149-1170). Blackwell Publishing.
- Werker, J.F., & Fennell, C.T. (2008). Infant speech perception and later language acquisition: Methodological underpinnings. In J. Colombo, P. McCardle, & L. Freund (Eds.), *Infant pathways to language: methods, models, and research directions* (pp. 85-98). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Curtin, S., & Werker, J.F. (2007). The perceptual foundations of phonological development. In G. Gaskell (Ed.), *The Oxford handbook of psycholinguistics* (pp. 579-599). Oxford University Press.
- Saffran, J.R., Werker, J.F., & Werner, L.A. (2006). The infant's auditory world: Hearing, speech, and the beginnings of language. In W. Damon & R.M. Lerner (Series Eds.) & R. Siegler & D. Kuhn (Vol. Eds.), *Handbook of child psychology: Vol. 2. Cognition, perception and language* (6th ed., pp. 58-108). New York, NY: Wiley.
- Werker, J.F., Weikum, W.M., & Yoshida, K.A. (2006). Bilingual speech processing in infants and adults. In P. McCardle & E. Hoff (Eds.), *Childhood bilingualism: Research on infancy through schoolage* (pp. 1-18). London: Multilingual Matters.
- Werker, J.F., & Fennell, C.T. (2004). Listening to sounds versus listening to words: Early steps in word learning. In G. Hall & S. Waxman (Eds.), *Weaving a lexicon* (pp. 79-109). Cambridge, MA: MIT Press.

- Werker, J.F., & Vouloumanos, A. (2001). Speech and language processing in infancy: A neurocognitive approach. In C. A. Nelson & M. Luciana (Eds.), *Handbook of developmental cognitive neuroscience* (pp. 269-280). Cambridge, MA: MIT Press.
- Werker, J.F., & Stager, C.L. (2000). Developmental changes in infant speech perception and early word learning: Is there a link? In M. Broe & J. Pierre-Humbert (Eds.), *Papers in laboratory phonology 5* (pp. 181-193). Cambridge University Press.
- Werker, J.F., & Tees, R.C. (1999). Influences on infant speech processing: Toward a new synthesis. In J. T. Spence (Ed.) & J.M. Darley & D.J. Foss (Assoc. Eds.), *Annual review of psychology, Vol. 50* (pp. 509-535). Palo Alto, CA: Annual Reviews.
- Stager, C.L., & Werker, J.F. (1998). Methodological issues in studying the link between speech perception and word learning. In C. Rovee-Collier, L. P. Lipsitt, & H. Hayne (Series Eds.), *Advances in infancy research* (pp. 237-256). Stamford, CT: Ablex Publishing Company.
- Werker, J.F., Shi, R., Desjardins, R., Pegg, J.E., Polka, L., & Patterson, M.L. (1998). Three methods for testing infant speech perception. In A. M. Slater (Ed.), *Perceptual development: Visual, auditory, and speech perception in infancy* (pp. 389-420). London: UCL Press.
- Werker, J.F., Lloyd, V.L., Pegg, J.E., & Polka, L. (1996). Putting the baby in the bootstraps: Toward a more complete understanding of the role of the input on infant speech processing. In J. Morgan & K. Demuth (Eds.), *Signal to syntax: Bootstrapping from speech to grammar in early acquisition* (pp. 427-447). Hillsdale, NJ: Lawrence Erlbaum Associates.
- Werker, J.F. (1995). Age-related changes in cross-language speech perception: Standing at the cross-roads. In W. Strange (Ed.), *Speech perception and linguistic experience: Theoretical and methodological issues in cross-language speech perception* (pp. 155-169). Baltimore, MD: York Press.
- Werker, J.F. (1995). Exploring developmental changes in cross-language speech perception. In D. Osherson (Series Ed.) & L. Gleitman & M. Liberman (Vol Eds.), *An invitation to cognitive science, Part I: Language* (pp. 87-106). Cambridge, MA: MIT Press.
- Diamond, A., Werker, J.F., & Lalonde, C.E. (1994). Toward understanding commonalities in the development of object detour navigation, categorization, and speech perception. In K. Fischer & G. Dawson (Eds.), *Human Behavior and Brain Development* (pp. 380-426). New York, NY: Guildford Press.
- Werker, J.F. (1994). Cross-language speech perception: Developmental change does not involve loss. In J. Goodman & H. Nusbaum (Eds.), *The development of speech perception: The transition from speech sounds to spoken words* (pp. 112-149). Cambridge, MA: MIT Press.
- Lalonde, C.E., & Werker, J.F. (1993). Le développement de la perception de la parole. In V. Pouthas & F. Jouen (Eds.), *Les comportements du bébé: Expression de son savoir?* (pp. 271-284). Bruxelles: Mardaga Publishers.
- Werker, J.F., & Polka, L. (1993). The ontogeny and developmental significance of language specific phonetic perception. In B. de Boysson-Bardies, S. de Schonen, P. Juszyk, P. McNeilage, & J. Morton (Eds.), *Developmental neurocognition: Speech and face processing in the first year of life* (pp. 275-288). Dordrecht: Kluwer Academic Publishers.
- Werker, J.F. (1993). Developmental changes in cross-language speech perception: Implications for cognitive science. In G. Altman & R. Shillcock (Eds.), *Cognitive models of speech processing: The Sperlonga Meeting II* (pp. 57-78). Cambridge, MA: MIT Press.
- Werker, J.F., & Pegg, J.E. (1992). Infant speech perception and phonological acquisition. In C. Ferguson, L. Menn, & C. Stoel-Gammon (Eds.), *Phonological development: Models, research, and implications* (pp. 285-311). York Publishing Company.
- Werker, J.F., & Tees, R.C. (1992). The organization and reorganization of human speech perception. In M. Cowan (Ed.), *Annual Review of Neuroscience, 15*, (pp. 377-402). Palo Alto, CA: Annual Reviews.

Werker, J.F. (1991). The ontogeny of speech perception. In I.G. Mattingly & M. Studdert-Kennedy (Eds.), *Modularity and the motor theory of speech perception* (pp. 91-109). Hillsdale, NJ: Lawrence Erlbaum Associates.

### **Invited Presentations** (Last 5 years)

- Werker, J.F. (2020, September 24). *Babies growing up bilingual*. Invited Speaker to the UBC Parent Council Speaker Series, University of British Columbia (Virtual).
- Werker, J.F. (2020, July 30). *Perceptual beginnings to language acquisition: Critical periods and multi-sensory influences*. Invited Plenary Speaker at the 42<sup>nd</sup> Annual Meeting of the Cognitive Science Society (Virtual).
- Werker, J.F. (2020, February 28). *First steps in language acquisition in infancy: Surprising influences*. Invited presentation to the Faculty of Pharmaceutical Sciences, University of British Columbia, Vancouver, BC, Canada.
- Werker, J.F. (2020, January 22). *Ready and Able: Multisensory Foundations of Language Acquisition in Infancy*. Invited Speaker for the inaugural 'From the Minds of Babes' Symposium, Institute for Innovations in Developmental Sciences, Northwestern University, Chicago, IL, USA.
- Werker, J.F. (2019, December 5). *The importance of rhythm: Early child development and the acquisition of language*. Invited Speaker to Aux Sources du Rythme: Rencontres Intersectorielles del' Université de Montréal, Sur Le Rythme, Montreal, QC, Canada.
- Werker, J.F. (2019, May 25). *How Babies Begin Learning Their Native Language*. Invited Speaker [William James Fellow Award Address] at the 31<sup>st</sup> Annual Convention of the Association for Psychological Science, May 23-26, Washington, DC, USA.
- Werker, J.F. (2019, April 29). *Multisensory foundations of infant speech perception and early word learning*. Afternoon Colloquium (MAC) presented at the MARCS Institute for Brain, Behavior and Development, University of Western Sydney, Sydney, Australia.
- Werker, J.F. (2019, February 1). *Multisensory Foundations of Infant Speech Perception and Early Word Learning*. Invited Speaker for the Neuroscience & Cognitive Science (NACS) Seminar Series, University of Maryland, College Park, MD, USA.
- Werker, J.F. (2018, August 9). *From Speech Perception to Language Acquisition: Building on the Legacy of Peter Jusczyk*. The Inaugural Peter Jusczyk Lecture Series, Department of Psychology and Neuroscience, Dalhousie University, Halifax, NS, Canada.
- Werker, J.F. (2018, April 5). *Critical periods in language perception as a form of memory*. Memory Symposium, Collège de France, Paris, France.
- Werker, J.F. (2018, January 4). *Multisensory foundations of speech and language processing in infancy*. The 33rd Annual Mortimer D. Sackler Winter Conference in Developmental Psychobiology, Kohala Coast, Hawaii, USA.
- Werker, J.F. (2017, November 9). *Multisensory influences on infant speech perception*. Invited Address at the Auditory Perception, Cognition, and Action Meeting (APCAM), Vancouver, BC, Canada.
- Werker, J.F. (2017, October 16). *Speech perception and early word learning: Multisensory foundations*. The 2017 Steer Lecture at Purdue University, Department of Speech, Language & Hearing Sciences, West Lafayette, IN, USA.
- Werker, J.F. (2017, June 15). *Perceptual foundations of language acquisition in monolingual- and bilingual-learning infants*. Keynote speaker at the Workshop on Infant Language Development (WILD), Basque Center on Cognition, Brain and Language, Bilbao, Spain.
- Werker, J.F. (2017, May 24). *Perceptual Foundations of Language Acquisition in Infancy*. Invited Speaker at the Grand Rounds of the BC Neuropsychiatry Program, Vancouver General Hospital, Vancouver, BC, Canada.

- Werker, J.F. (2017, May 18). *Language Acquisition in Monolingual & Bilingual Learning Infants*. The 2017 Annual Pickering Public Lecture, Pickering Centre for Human Development, Carleton University, Ottawa, ON, Canada.
- Werker, J.F. (2017, April 22). *Perceptual foundations of language acquisition in monolingual- and bilingual-learning infants*. Keynote Speaker; Symposium on Early Language and the Brain, Brain and Mind Institute, Macau.
- Werker, J.F. (2017, April 21). *Perceptual foundations of language acquisition in monolingual- and bilingual-learning infants*. Distinguished Scholars Lecture in Bilingualism and Human Complexity, The Chinese University of Hong Kong, Shatin, HK.
- Werker, J.F. (2017, April 13). *First steps in language acquisition*. Invited presentation to the Board of Governors, University of British Columbia, Vancouver, BC, Canada.
- Werker, J.F. (2017, January 13). *Experience and plasticity in speech perception development*. Invited speaker for the Exploring the Mind Speaker Series, Center for Mind and Brain, University of California, Davis, CA, USA.
- Werker, J.F. (2016, November 18). *Are there Critical Periods in Speech Perception Development?* Annual Macnamara Lecture, McGill University, Montreal, QC, Canada.
- Werker, J.F. (2016, September 19). *Perceptual foundations of language acquisition: Surprising new findings*. Invited Speaker for the Panel on “Child Development: Ears and Brains” at the 33<sup>rd</sup> World Congress of Audiology (WCA), Vancouver, BC, Canada.
- Werker, J.F. (2016, September 17). *Perceptual Foundations of Language Acquisition*. Keynote Speaker; International Mind, Brain and Education Society (IMBES) Conference, Toronto, ON, Canada.
- Werker, J.F. (2016, September 1). *Critical periods in speech perception development*. Instructor in the International School of Neuroscience Workshop: Early Experience and Sensitive Periods in Development, Organized by P.F. Ferrari, N.H. Fox, C.A. Nelson & C.H. Zeanah. The Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, Italy.
- Werker, J.F. (2016, June 16). *Infant Speech Perception: First Steps in Language Acquisition*. Keynote Speaker; International Clinical Phonetics and Linguistics Association Conference, Halifax, NS, Canada.
- Werker, J.F. (2016, May 28). *The Challenge to Think Deeply, and Truly Developmentally*. Invited Speaker at the Symposium ‘In Honor of Gerald Turkewitz: His Scientific Legacy’, International Conference on Infant Studies (ICIS), New Orleans, LA, USA.
- Werker, J.F. (2016, March 18). *Critical Periods in Speech Perception Development*. Invited Colloquium, UC Berkeley, Institute of Cognitive and Brain Sciences, Berkeley, CA, USA.
- Werker, J.F. (2015, December 11). *Critical Periods in Speech Perception Development*. Invited Speaker, Neuroscience Seminar Series, Institut Neurosciences Cognition, Université Paris Descartes, Paris, France.

## **Research Grants** (Last 5 years)

SSHRC Partnership Grant	Ensuring Full Literacy in a Multicultural and Digital World	\$2,500,000	2020-2027	J.F. Werker (PI) & International Team (Co-Is)
CFI	Ensuring Full Literacy in a Multicultural and Digital World	\$199,969	2020-2025	J.F. Werker (PI) & M. Abdul-Mageed (Co-I)
NSERC	Comparing two phonemic category learning mechanisms in infancy and the factors that modulate their efficacy	\$390,000	2020-2025	J.F. Werker (PI)
CIFAR Catalytic Grant	Understanding language development in infants using AI (Child Brain Development Program)	\$30,000	2020-2022	J.F. Werker & S. Mostafavi (PIs)
UBC VP Research & Innovation	Grant for Catalyzing Research Clusters: Language Sciences Initiative	\$230,000	2020-2021	J.F. Werker (PI), B. Gick, S. Fels, D. Rosenblum, G. Li, T. Herdman, & M. Abdul-Mageed (Co-Is)
CIFAR	Research Support from the Brain, Mind & Consciousness Program	\$5,000	2019-2020	J.F. Werker (PI)
CIFAR Catalytic Grant	Detecting the contents of consciousness in infants (Brain, Mind & Consciousness Program)	\$40,000	2019-2021	J.F. Werker & A.M. Fyshe (PIs)
SSHRC Partnership Grant; Stage 1	Ensuring Full Literacy in a Multicultural and Digital World	\$20,000	2019-2020	J.F. Werker (PI), & International Team (Co-Is)
SSHRC Insight Grant	Bilingualism as a lens for understanding lexical development in infancy	\$312,710	2019-2024	J.F. Werker (PI) & D.G. Hall (Co-I)
PetSmart Charities Of Canada	PetSmart BabySmart (Shared Postdoctoral Fellow Support for Dr. Nicole Sudgen)	\$40,000	2019-2020	J.F. Werker (PI)

Peter Wall Institute for Advanced Research	Does opera training sculpt the brain to learn?	\$424,000	2019-2021	J.F. Werker, L. Boyd, N. Hermiston, R. Weber & A. MacKay (PIs)
UBC VP Research & Innovation	Grant for Catalyzing Research Clusters: Language Sciences Initiative	\$171,864	2019	J.F. Werker (PI), B. Gick, S. Fels, B. Norton, L. Boyd, & M. Turin (Co-Is)
CIFAR Catalytic Grant	Babies, bugs, and brains: How the early microbiome influences infant brain and behavior development (Brain, Mind & Consciousness Program)	\$50,000	2018-2019	J.F. Werker, B. Finlay & L. Trainor (PIs)
CIFAR Catalytic Grant	Exploring critical period timing across ontogeny (Child Brain Development Program; Support for Dr. Rebecca Reh, PDF)	\$50,000	2018-2019	J.F. Werker & T.K. Hensch (PIs)
Kids Brain Health Network	Towards implementation of EEG and NIRS in the clinic: A national team approach	\$100,000	2018-2020	S. Lippé & A. Gallagher (PIs), J.F. Werker, L. Trainor, et al. (Co-Is)
SSHRC Connection Grant	Envisioning a Language Science of Literacy	\$24,993	2018-2019	J.F. Werker (PI), S.H. Deacon, M. Turin & A.M. Fyshe (Co-Is)
UBC, VP Research & Innovation	Language Sciences: UBC and Beyond (Grant for Catalyzing Research Clusters)	\$200,000	2018	J.F. Werker (PI), B. Gick, S. Fels, S. Muehlmann, B. Norton & L. Boyd (Co-Is)
UBC	University Killam Professorship	\$100,000	2016-2017	J.F. Werker
UBC, VP Research & Innovation	Language Sciences: UBC Transdisciplinary Research Framework (Grant for Catalyzing Research Clusters)	\$60,000	2016-2017	J.F. Werker (PI) B. Gick, S. Fels, S. Muehlmann, B. Norton & L. Boyd (Co-Is)
UBC Faculty of Arts	Research Support Funds, Tier 1 Canada Research Chair	\$160,000	2015-2021	J.F. Werker
SSHRC	Gold Medal Impact Award	\$100,000	2015-2016	J.F. Werker



NSERC	The role of multisensory redundancy in infant speech perception and language acquisition	\$550,000	2015-2020	J.F. Werker
SSHRC	The influence of linguistic and cultural context on first steps in language acquisition	\$347,259	2014-2019	J.F. Werker
CIFAR	Brain, Mind & Consciousness; and Child Brain Development	\$90,000	2015-2018	J.F. Werker
Alva Foundation & CIFAR	Shared Postdoctoral Fellow Support for Dr. Rebecca Reh	\$100,000	2015-2018	J.F. Werker (PI) T.K. Hensch (Co-I)
NIH (US)	Multisensory foundations of speech perception in infancy	\$295,534	2013-2017	J.F. Werker (PI) B. Gick (Co-I)

CFI = Canada Foundation for Innovation

CIFAR = Canadian Institute for Advanced Research

NIH = National Institutes of Health

NSERC = Natural Sciences and Engineering Research Council of Canada

SSHRC = Social Sciences and Humanities Research Council of Canada