

Curriculum Vitae

Richard N. Aslin

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Personal Data: Born August 9, 1949
Married; Two children

Education:

Michigan State University, B.A. with High Honors in Psychology, 1971
Institute of Child Development, University of Minnesota, Ph.D. in Child Psychology, 1975

Scholarships and Awards:

National Science Foundation Undergraduate Research Fellowship, Summer, 1970
National Institute of Mental Health Predoctoral Traineeship in Child Psychology, 1971-1975
Summer Faculty Fellowship, Indiana University, 1976
Research Career Development Award, National Institute of Child Health and Human Development, 1979-1984
Boyd R. McCandless Young Scientist Award, American Psychological Association (Division 7), 1981
Early Career Award, Developmental Psychology, American Psychological Association, 1982
James McKeen Cattell Award (sabbatical), 1984-1985
John Simon Guggenheim Memorial Foundation Fellowship, 1988-1989
Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, 1988-1989
Bridging Fellowship, Departments of Biology and Human Genetics, University of Rochester, Fall, 1997

Robert and Pamela Goergen Award for Distinguished Contributions to Undergraduate Learning in the College, University of Rochester, September 7, 2001
Fellow, American Association for the Advancement of Science, 2002
Fellow, American Academy of Arts and Sciences, 2006

Professional Experience:

Assistant Professor, Department of Psychology, Indiana University, 1975-1979
Associate Professor, Department of Psychology, Indiana University, 1979-1982
Visiting Scientist, Regional Primate Research Center, University of Washington, August, 1981
Visiting Professor, Center for Research in Human Learning, University of Minnesota, Summer, 1982
Professor, Department of Psychology, Indiana University, 1982-1984
Professor, Department of Psychology, University of Rochester, 1984 - 1995
Professor, Center for Visual Science, University of Rochester, 1984 - present
Chair, Department of Psychology, University of Rochester, 1988-1991
(on leave, September 1988 - July 1989)
Dean, College of Arts and Science, University of Rochester, 1991 - 1994
Vice Provost and Dean of the College, University of Rochester, 1994 - 1996
Professor, Department of Brain and Cognitive Sciences, 1995 - present
Visiting Professor, Department of Psychological and Brain Sciences, Dartmouth College, Fall, 1999
Director, Center for Language Sciences, University of Rochester, 2000 - 2003
Director, Rochester Center for Brain Imaging, 2003 - present

Professional Affiliations:

Acoustical Society of America
American Association for the Advancement of Science
American Psychological Society
Cognitive Development Society
Cognitive Science Society
International Society for Infant Studies
Psychonomic Society
Society for Language Development
Society for Research in Child Development
Vision Sciences Society

Editorial and Grant Reviewing Activities:

Series editor, Neural and Behavioral Development -- Advances, Monographs, and books published by Ablex Publishing Corporation, 1982-1987
Member of editorial board, *Infant Behavior and Development*, 1982-1985, 1989 - 1998
Member of editorial board, *Child Development*, 1983-1985, 1989 - 1996

Member of editorial board, *Developmental Psychology*, 1984-1985, 1998 - 2003
Member, NIH Study Section on Human Development and Aging - I, 1985-1989
Associate Editor, *Developmental Psychology*, 1986-1988
Member, NSF Review Panel on Human Cognition and Perception, 1997 - 2000
Member of editorial board, *Journal of Experimental Child Psychology*, 1997 - 2003
Member of editorial board, *Infancy*, 1998 - 2003, 2008 - present
Member of editorial board, *Cognition*, 2001 - present
Editor, *Infancy*, June 1, 2003 - 2008
Member of editorial board, *Language Learning and Development*, 2005 - present

Grants Approved and Funded:

Biomedical Sciences Support Grant, Indiana University, "Visual system development in human infants", 1975-1976
Spencer Foundation Grant, Indiana University, "Development of binocular vision and acuity", 1976
Biomedical Sciences Support Grant, Indiana University, "Development of visual receptor function in human infants", 1977
NIMH Small Grant (MH 30424-1), "Perception of speech and nonspeech sounds in infants", 1977-1978 (D. B. Pisoni, co-investigator)
NSF Grant (BNS 77-04580), "Development of human eye movement control systems", 1977-1980
NIH Grant (HD-11915), "Perception of speech and nonspeech sounds in infants", 1978-1981 (D. B. Pisoni, co-investigator)
March of Dimes Grant (12-78-88), "Congenital eye misalignment in human infants", 1978-1982
NIH Research Career Development Award, (HD-00309), "Effects of experience on infant perceptual development", 1979-1984
NSF CAUSE Grant (SER 79-07925), "Instructional and self-motivational system for developmental and physiological psychology", 1979-1982 (J. R. Alberts and G. Rebec, co-investigators)
NSF (BNS 79-06204) and Sloan Foundation Conference entitled: "Genetic and experiential factors in perceptual development", October, 1979
NSF Grant (BNS 80-13075), "Development of the visual system in human infants", 1980-1983
NIH Grant (HD-11915), "Perception of speech and nonspeech sounds in infants", 1981-1984 (D. B. Pisoni, co-investigator)
NIH Grant (EY-04392), "A prospective study of binocularity in congenital esotropes", 1983-1984 (E. M. Helveston, co-investigator)
NIH Grant (HD-20286), "Perception of speech and nonspeech sounds in infancy", 1985-1987
NIH Grant (EY-05976), "Sensory constraints on oculomotor development in infancy", 1985-1989
NIH Shared Instrumentation Grant (RR-02820), "Eyetracker for research on human vision", 1986 (W. Makous and M. Hayhoe, co-PIs)
NIH Grant (HD-20286), "Perceptual segmentation of speech by human infants", 1987-1992

Air Force Office of Scientific Research (90-0192), conference grant for symposium on "Orientation in space", 1990

NSF Grant (BNS91-08723), "Development of visual stability in human infants", 1991-1994

NSF Grant (SBR94-21064), "Lexical development in human infants", 1995-1998

NSF Grant (SBR97-29095), "Time course of spoken word recognition", M. Tanenhaus PI, 1998-2001

NSF Grant (SBR98-73477), "Statistical learning and its constraints", E. Newport, R. Jacobs, and M. Hauser co-PIs, 1998-2002

NIH Grant (HD-37082), "Statistical language learning in human infants", 1998-2002

NIH Grant (DC-05071), "Time course of spoken word recognition", M. Tanenhaus PI, 2001-2006

McDonnell Foundation (21002017), "Infant looking: Methods used to assess cognitive development", 2001-2004

NSF Equipment Grant (BNS-0215700), "Acquisition of a magnetic resonance imaging system to assess brain plasticity", D. Bavelier, E. Newport, K. Parker, and J. Zhong co-PIs, 2002-2005

Packard Foundation (2001-17783), "Understanding the brain mechanisms specialized for language processing in the deaf and hearing through functional imaging", D. Bavelier, W. Merigan, E. Newport, and T. Supalla co-PIs, 2001-2006

McDonnell Foundation (21002089), "Program to combine methods for assessing cognitive development in human infants and to promote the field of developmental cognitive neuroscience", 2003-2006

NIH Grant (HD-37082), "Visual statistical learning in human infants", 2003-2009

NIH Grant (DC-05071), "Time course of spoken word recognition", M. Tanenhaus PI, 2007-2012

McDonnell Foundation (220020096), "Program grant to develop near-infrared spectroscopy in combination with ERPs and fMRI to assess cognitive development in human infants and young children", 2007-2010

ONR-MURI grant (N00014-07-1-0937), "Complex learning and skill transfer with video games", D. Bavelier PI, 2007-2010

NIH Grant (HD-37082), "Statistical approaches to linguistic pattern learning", E. Newport, co-PI, 2009-2014 [2-year administrative supplement awarded on October 1, 2009]

Publications:

Edited Books

Aslin, R. N., Alberts, J. R. and Petersen, M. R. (Eds.). (1981). *Development of perception: Psychobiological perspectives*. New York: Academic Press.

Volume I: Audition, somatic perception and the chemical senses.

Volume II: The visual system.

Aslin, R. N. (Ed.). (1985). *Advances in neural and behavioral development*, Volume 1: The visual system. Norwood, NJ: Ablex.

Aslin, R. N. (Ed.). (1986). *Advances in neural and behavioral development*, Volume 2: The auditory system. Norwood, NJ: Ablex.

Chapters

Aslin, R. N. and Banks, M. S. (1978). Early visual experience in humans: Evidence for a critical period in the development of binocular vision. In H. L. Pick, H. W. Leibowitz, J. E. Singer, A. Steinschneider, and H. W. Stevenson (Eds.), *Psychology: From research to practice*. New York: Plenum Press, pp. 227-239.

Aslin, R. N. and Pisoni, D. B. (1980). Some developmental processes in speech perception. In G. H. Yeni-Komshian, J. F. Kavanagh, and C. A. Ferguson (Eds.), *Child Phonology: Volume 2, Perception*. New York: Academic Press, pp. 67-96.

Aslin, R. N. and Dumais, S. T. (1980). Binocular vision in infants: A review and a theoretical framework. In H. W. Reese and L. P. Lipsitt (Eds.), *Advances in Child Development and Behavior*, Volume 15. New York: Academic Press, pp. 53-94.

Aslin, R. N. (1981). Development of smooth pursuit in human infants. In D. F. Fisher, R. A. Monty, and J. W. Senders (Eds.), *Eye Movements: Cognition and Visual Perception*. Hillsdale, N.J.: Erlbaum, pp. 31-51.

Walley, A., Pisoni, D. B. and Aslin, R. N. (1981). The role of early experience in the development of speech perception. In R. N. Aslin, J. R. Alberts, and M. R. Petersen (Eds.), *Development of perception: Psychobiological perspectives*, Vol. I. New York: Academic Press, pp. 219-255.

Aslin, R. N. (1981). Experiential influences and sensitive periods in perceptual development: A unified model. In R. N. Aslin, J. R. Alberts, and M. R. Petersen (Eds.), *Development of perception: Psychobiological perspectives*, Vol II. New York: Academic Press, pp. 45-93.

Aslin, R. N., Pisoni, D. B. and Jusczyk, P. W. (1983). Auditory development and speech perception in infancy. In M. M. Haith and J. J. Campos (Eds.), *Infancy and developmental psychobiology*. Volume 2 of the *Handbook of child psychology*, 4th Edition (P. H. Mussen, series editor). New York: Wiley and Sons, pp. 573-687.

Aslin, R. N. (1984). Sensory and perceptual constraints on memory in human infants. In R. Kail and N. E. Spear (Eds.), *Comparative perspectives on the development of memory*. Hillsdale, NJ: Erlbaum, pp. 39-64.

Aslin, R. N. (1985). Effects of experience on sensory and perceptual development: Implications for infant cognition. In J. Mehler and R. Fox (Eds.), *Neonate cognition: Beyond the blooming, buzzing confusion*. Hillsdale, NJ: Erlbaum, pp. 157-183.

- Aslin, R. N. (1985). Oculomotor measures of visual development. In G. Gottlieb and N. Krasnegor (Eds.), *Measurement of audition and vision during the first year of postnatal life: A methodological overview*. Norwood, NJ: Ablex, pp. 391-417.
- Aslin, R. N. (1987). Visual and auditory development in infancy. In J. D. Osofsky (Ed.), *Handbook of infant development*, 2nd edition. New York: Wiley, pp. 5-97.
- Aslin, R. N. (1987). Motor aspects of visual development in infancy. In P. Salapatek and L. B. Cohen (Eds.), *Handbook of infant perception*. New York: Academic Press, pp. 43-113.
- Aslin, R. N. (1988). Anatomical constraints on oculomotor development: Implications for infant perception. In A. Yonas (Ed.), *Perceptual development in infancy: The Minnesota symposia on child psychology*, Vol. 20. Hillsdale, NJ: Erlbaum, pp. 67-104.
- Aslin, R. N. and Smith, L. B. (1988). Perceptual development. In M. Rosenzweig and L. Porter (Eds.), *Annual review of psychology*, Vol. 39. Palo Alto, CA: Annual reviews, pp. 435-473.
- Aslin, R. N. (1988). Normative oculomotor development in human infants. In G. Lennerstrand, G. K. von Noorden, and E. C. Campos (Eds.), *Strabismus and amblyopia: Experimental basis for advances in clinical management*. London: Macmillan, pp. 133-142.
- Aslin, R. N. (1993). Perception of visual direction in human infants. In C. E. Granrud (Ed.), *Visual perception and cognition in infancy* (23rd Carnegie-Mellon symposia on cognition). Hillsdale, NJ: Erlbaum, pp. 91-119.
- Aslin, R. N. (1993). Segmentation of fluent speech into words: Learning models and the role of maternal input. In B. de Boysson-Bardies, S. de Schonen, P. Jusczyk, P. McNeilage, and J. Morton (Eds.), *Developmental neurocognition: Speech and face processing in the first year of life*. The Netherlands: Kluwer, pp. 305-315.
- Aslin, R. N. (1993). Infant accommodation and convergence. In K. Simons (Ed.), *Early visual development: Normal and abnormal*. New York: Oxford University Press, pp. 30-38.
- Aslin, R. N., Woodward, J. Z., LaMendola, N. P., and Bever, T. G. (1996). Models of word segmentation in fluent maternal speech to infants. In J. L. Morgan and K. Demuth (Eds.), *Signal to syntax: Bootstrapping from speech to grammar in early acquisition*. Hillsdale, NJ: Erlbaum, pp. 117-134.
- Aslin, R. N., Jusczyk, P. W., and Pisoni, D. B. (1998). Speech and auditory processing during infancy: Constraints on and precursors to language. In D. Kuhn & R. Siegler (Eds.), *Handbook of child psychology*, Fifth edition. *Volume 2: Cognition, perception & language* (W. Damon, series editor). New York: Wiley, pp. 147-198.

- Aslin, R. N., Saffran, J. R. and Newport, E. L. (1999). Statistical learning in linguistic and non-linguistic domains. In B. MacWhinney (Ed.), *The emergence of language*. Mahwah, NJ: Erlbaum pp. 359-380.
- Newport, E. L. and Aslin, R. N. (2000). Innately constrained learning: Blending old and new approaches to language acquisition. In S. C. Howell, S. A. Fish, & T. Keith-Lucas (Eds.), *Proceedings of the 24th annual Boston University conference on language development*. Somerville, MA: Cascadilla Press.
- Aslin, R. N. and Hunt, R. H. (2001). Development, plasticity, and learning in the auditory system. In C. A. Nelson & M. Luciana (Eds.), *Handbook of developmental cognitive neuroscience*. MIT Press, pp. 205-220.
- Aslin, R. N. (2001). Visual development, infant. In N. J. Smelser & P. B. Baltes (Eds.), *International Encyclopedia of the Social and Behavioral Sciences*, 24, 16250-5. Pergamon Press.
- Aslin, R. N. (2005). Object information, computational complexity, and constraints on action. In J. Rieser, J. Lockman, and C. A. Nelson (Eds.), *Action as an organizer of learning and development: 33rd Minnesota Symposium on Child Psychology*. Mahwah, NJ: Lawrence Erlbaum Associates.
- Aslin, R. N. (2006). Processes of change in brain and cognitive development: The final word. In M. Johnson & Y. Munakata (Eds.), *Attention and Performance XXI: Processes of change in brain and cognitive development*. Cambridge, MA: MIT Press.
- Aslin, R. N. and Lathrop, A. L. (2008). Visual perception. In M. M. Haith and J. B. Benson (Eds.), *Encyclopedia of infant and early childhood development, Volume 3* (pp. 395-403). Oxford, UK: Elsevier.
- Aslin, R. N. (2008). The role of learning in cognitive development: Challenges and prospects. In A. Needham and A. Woodward (Eds.), *Learning and the Infant Mind*. Oxford University Press.
- Aslin, R. N., Clayards, M. A., and Bardhan, N. P. (2008). Mechanisms of auditory reorganization during development: From sounds to words. In C. A. Nelson and M. Luciana (Eds.), *Handbook of developmental cognitive neuroscience, 2nd edition*. Cambridge, MA: MIT Press.
- Aslin, R. N. and Newport, E. L. (2008). What statistical learning can and can't tell us about language acquisition. In J. Colombo, P. McCardle, and L. Freund (Eds.), *Infant pathways to language: Methods, models, and research directions*. Mahwah, NJ: Lawrence Erlbaum Associates.

Reviews and Commentaries

- Aslin, R. N. and Pisoni, D. B. (1980). Effects of early linguistic experience on speech discrimination by infants: A critique of Eilers, Gavin and Wilson (1979). *Child Development*, 51, 107-112.
- Aslin, R. N. (1981). Review of M. M. Haith's "Rules That Babies Look By". *American Scientist*, 69, 342-343.
- Aslin, R. N. (1982). A commentary. In G. Bronson, The scanning patterns of human infants: Implications for visual learning. *Monographs on Infancy*. Norwood, NJ: Ablex, pp. 103-131.
- Aslin, R. N. and Ciuffreda, K. J. (1983). Eye movements of preschool children [Technical comment]. *Science*, 222, 74-75.
- Jusczyk, P. W., Shea, S. L. and Aslin, R. N. (1984). Linguistic experience and infant speech perception: A re-examination of Eilers, Gavin, and Oller (1982). *Journal of Child Language*, 11, 453-466.
- Aslin, R. N. (1993). The strange attractiveness of dynamic systems to development. In L. B. Smith & E. Thelen (Eds.), *Dynamic systems in development: Applications*. Cambridge, MA: MIT Press, pp. 385-399.
- Aslin, R. N. (1997). Commentary: Models of oculomotor variability in infancy. In R. L. Canfield, E. G. Smith, M. P. Brezsnayak, and K. L. Snow, Information processing through the first year of life: A longitudinal study using the visual expectation paradigm. *Monographs of the Society for Research in Child Development*, 62, Serial No. 250, 146-149.
- Saffran, J. R., Aslin, R. N., and Newport, E. L. (1997). Reply to five letters to the editor on the topic of "acquiring language." *Science*, 276, 1177-1181, 1276.
- Aslin, R. N. (1998). The developing brain comes of age. [Review of Mark Johnson's *Developmental Cognitive Neuroscience*]. *Early Development and Parenting*, 7, 125-128.
- Aslin, R. N. (2000). Infancy research reaches middle age. [Review of Simion and Butterworth's *The development of sensory, motor and cognitive capacities in early infancy: From perception to cognition*]. *Contemporary Psychology*, 45, 84-86.
- Tanenhaus, M. K., Magnuson, J. S., McMurray, B., and Aslin, R. N. (2000). No compelling evidence against feedback in spoken word recognition. *Brain and Behavioral Sciences*, 23, 348-349.
- Aslin, R. N. (2000). Why take the cog out of infant cognition? *Infancy*, 1, 463-470.

Aslin, R. N., Werker, J. F., and Morgan, J. L. (2002). Innate phonetic boundaries revisited. *Journal of the Acoustical Society of America*, 112, 1257-1260.

Magnuson, J. S., McMurray, B., Tanenhaus, M. K., and Aslin, R. N. (2003). Lexical effects on compensation for coarticulation: A tale of two systems? *Cognitive Science*, 27, 801-805.

Aslin, R. N. and Schlagger, B. L. (2006). Is myelination the precipitating neural event for language development in infants and toddlers? *Neurology*, 66, 304-305.

Aslin, R. N. (2008). Headed in the right direction: A commentary on Yoshida and Smith. *Infancy*, 13, 275-278.

Journal Articles

Aslin, R. N. and Salapatek, P. (1975). Saccadic localization of visual targets by the very young human infant. *Perception and Psychophysics*, 17, 293-302.

Banks, M. S., Aslin, R. N. and Letson, R. D. (1975). Sensitive period for the development of human binocular vision. *Science*, 190, 675-677.

Aslin, R. N. (1977). Development of binocular fixation in human infants. *Journal of Experimental Child Psychology*, 23, 133-150.

Bushnell, E. W. and Aslin, R. N. (1977). Inappropriate expansion: A demonstration of a methodology for child language research. *Journal of Child Language*, 4, 115-122.

Muller, A. A. and Aslin, R. N. (1978). Visual tracking as an index of the object concept. *Infant Behavior and Development*, 1, 309-319.

Aslin, R. N. and Jackson, R. W. (1979). Accommodative-convergence in young infants: Development of a synergistic sensory-motor system. *Canadian Journal of Psychology*, 33, 222-231.

Fox, R., Aslin, R. N., Shea, S. L. and Dumais, S. T. (1980). Stereopsis in human infants. *Science*, 207, 323-324.

Shea, S. L., Fox, R., Aslin, R. N. and Dumais, S. T. (1980). Assessment of stereopsis in human infants. *Investigative Ophthalmology and Visual Science*, 19, 1400-1404.

Salapatek, P., Aslin, R. N., Simonson, J. and Pulos, E. (1980). Infant saccadic eye movements to visible and previously visible targets. *Child Development*, 51, 1090-1094.

- Aslin, R. N., Pisoni, D. B., Hennessy, B. L. and Perey, A. J. (1981). Discrimination of voice onset time by infants: New findings and implications for the effects of early experience. *Child Development*, 52, 1135-1145.
- Pisoni, D. B., Aslin, R. N., Perey, A. J. and Hennessy, B. L. (1982). Some effects of laboratory training on identification and discrimination of voicing contrasts in stop consonants. *Journal of Experimental Psychology: Human Perception and Performance*, 8, 297-314.
- Sinnott, J. M., Pisoni, D. B. and Aslin, R. N. (1983). A comparison of pure-tone auditory thresholds in human infants and adults. *Infant Behavior and Development*, 6, 3-17.
- Aslin, R. N. and Dobson, V. (1983). Dark vergence and dark accommodation in human infants. *Vision Research*, 23, 1671-1678.
- Walley, A. C., Pisoni, D. B. and Aslin, R. N. (1984). Infants' discrimination of two- and five-formant voiced stop consonants differing in place of articulation. *Journal of the Acoustical Society of America*, 75, 581-589.
- Westall, C. A. and Aslin, R. N. (1984). Fixational eye movements and autokinesis in amblyopes. *Ophthalmic and Physiological Optics*, 4, 333-337.
- Shea, S. L., Doussard-Roosevelt, J. A. and Aslin, R. N. (1985). Pupillary measures of binocular luminance summation in infants and stereoblind adults. *Investigative Ophthalmology and Visual Science*, 26, 1064-1070.
- Kubaska, C. A. and Aslin, R. N. (1985). Categorization and normalization of vowels by three-year-old children. *Perception and Psychophysics*, 37, 355-362.
- Sinnott, J. M. and Aslin, R. N. (1985). Frequency and intensity discrimination in human infants and adults. *Journal of the Acoustical Society of America*, 78, 1986-1992.
- Aslin, R. N. (1986). Dark vergence in human infants: Implications for the development of binocular vision. *Acta Psychologica*, 63, 309-322.
- Shea, S. L., Aslin, R. N. and McCulloch, D. (1987). Binocular VEP summation in infants and adults with abnormal binocular histories. *Investigative Ophthalmology and Visual Science*, 28, 356-365.
- Aslin, R. N. and Shea, S. L. (1987). The amplitude and angle of saccades to double-step target displacements. *Vision Research*, 27, 1925-1942.
- Cooper, R. P. and Aslin, R. N. (1989). The language environment of the young infant: Implications for early perceptual development. *Canadian Journal of Psychology*, 43, 247-265.

- Aslin, R. N. (1989). Discrimination of frequency transitions by human infants. *Journal of the Acoustical Society of America*, 86, 582-590.
- Murphy, W. D., Shea, S. L., and Aslin, R. N. (1989). Identification of vowels in "vowelless" syllables by 3-year-olds. *Perception and Psychophysics*, 46, 375-383.
- Aslin, R. N., Shea, S. L. and Metz, H. S. (1990). Use of the Canon R-1 autorefractor to measure refractive errors and accommodative responses in infants. *Clinical Vision Sciences*, 5, 61-70.
- Aslin, R. N. and Shea, S. L. (1990). Velocity thresholds in human infants: Implications for the perception of motion. *Developmental Psychology*, 26, 589-598.
- Shea, S. L. and Aslin, R. N. (1990). Oculomotor responses to step-ramp targets by young human infants. *Vision Research*, 30, 1077-1092.
- Cooper, R. P. and Aslin, R. N. (1990). Preference for infant-directed speech in the first month after birth. *Child Development*, 61, 1584-1595.
- Skoczenski, A. M. and Aslin, R. N. (1992). Spatiotemporal factors in infant position sensitivity: Single-bar stimuli. *Vision Research*, 32, 1761-1769.
- Cooper, R. P. and Aslin, R. N. (1994). Developmental differences in infant attention to the spectral properties of infant-directed speech. *Child Development*, 65, 1663-1677.
- Gerken, L. A., Murphy, W. D. and Aslin, R. N. (1995). Three- and four-year-olds' perceptual confusions for spoken words. *Perception and Psychophysics*, 57, 475-486.
- Skoczenski, A. M. and Aslin, R. N. (1995). Assessment of vernier acuity development using the "equivalent intrinsic blur" paradigm. *Vision Research*, 35, 1879-1888.
- Jusczyk, P. W. and Aslin, R. N. (1995). Infants' detection of the sound patterns of words in fluent speech. *Cognitive Psychology*, 29, 1-23.
- Johnson, S. P. and Aslin, R. N. (1995). Perception of object unity in 2-month-old infants. *Developmental Psychology*, 31, 739-745.
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- Johnson, S. P. and Aslin, R. N. (1996). Perception of object unity in young infants: The roles of motion, depth, and orientation. *Cognitive Development*, 11, 161-180.
- Saffran, J. R., Newport, E. L., and Aslin, R. N. (1996). Word segmentation: The role of distributional cues. *Journal of Memory and Language*, 35, 606-621.

- Saffran, J. R., Aslin, R. N., and Newport, E. L. (1996). Statistical learning by 8-month-old infants. *Science*, *274*, 1926-1928.
- Saffran, J. R., Newport, E. L., Aslin, R. N., Tunick, R. A., and Barrueco, S. (1997). Incidental language learning: Listening (and learning) out of the corner of your ear. *Psychological Science*, *8*, 101-105.
- Aslin, R. N., Saffran, J. R. and Newport, E. L. (1998). Computation of conditional probability statistics by 8-month-old infants. *Psychological Science*, *9*, 321-324.
- Johnson, S. P. and Aslin, R. N. (1998). Young infants' perception of illusory contours in dynamic displays. *Perception*, *27*, 341-353.
- Saffran, J. R., Johnson, E. K., Aslin, R. N., and Newport, E. L. (1999). Statistical learning of tone sequences by human infants and adults. *Cognition*, *70*, 27-52.
- Johnson, S. P. and Aslin, R. N. (2000). Infants' perception of transparency. *Developmental Psychology*, *36*, 808-816.
- Meegan, D. V., Aslin, R. N., & Jacobs, R. A. (2000). Motor timing learned without motor training. *Nature Neuroscience*, *3*, 860-862.
- Swingle, D. and Aslin, R. N. (2000). Spoken word recognition and lexical representation in very young children. *Cognition*, *75*, 1-20.
- Fiser, J. and Aslin R. N. (2001). Unsupervised statistical learning of higher-order spatial structures from visual scenes. *Psychological Science*, *12*, 499-504.
- Hauser, M. D., Newport, E. L., and Aslin, R. N. (2001). Segmentation of the speech stream in a nonhuman primate: Statistical learning in cotton top tamarins. *Cognition*, *78*, B53-B64.
- Hunt, R. H. and Aslin, R. N. (2001). Statistical learning in a serial reaction time task: Simultaneous extraction of multiple statistics. *Journal of Experimental Psychology: General*, *130*, 658-680.
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- Fiser, J. and Aslin, R. N. (2002). Statistical learning of new visual feature combinations by infants. *Proceedings of the National Academy of Sciences*, *99*, 15822-15826.
- McMurray, B., Tanenhaus, M. K., and Aslin, R. N. (2002). Gradient effects of within-category phonetic variation on lexical access. *Cognition*, *86*, B33-B42.

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