

## Curriculum Vitae

**Richard N. Aslin**

November 1, 2019

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Northampton, MA 01060  
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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  
President-elect, International Society for Infant Studies, 2008-2010  
President, International Society for Infant Studies, 2010-2012

Honorary Doctorate, Uppsala University, Uppsala, Sweden, January 22, 2010  
Fellow, Cognitive Science Society, 2012  
Section Chair, Psychology (J), American Association for the Advancement of Science, 2013  
Lifetime Achievement Award in Graduate Education, University of Rochester, 2013  
Member, National Academy of Sciences, 2013 (Inducted April, 2014)  
Distinguished Scientific Contributions Award, American Psychological Association, 2014  
Outstanding Achievement Award, Alumni Wall of Honor, University of Minnesota, 2014  
Mentor Award for Lifetime Achievement, Association for Psychological Science, 2015  
Fellow, Society of Experimental Psychologists, 2018  
Women in Cognitive Science, Honorary Award for Enduring Leadership, 2018

**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, Summer  
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, 1995-2016  
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, 2003-2017  
William R. Kenan Professor of Brain and Cognitive Sciences, University of Rochester,  
2004-2016 (Emeritus 2016-2017)  
Visiting Professor, Centre for Brain and Cognitive Development, Birkbeck College,  
University of London, 2006-2007  
Visiting Professor, Department of Brain and Cognitive Sciences, MIT, 2013-2014  
Distinguished Research Scientist, Haskins Laboratories, New Haven, CT, 2017-present  
Visiting Professor, Department of Psychology, Yale University, 2017-2019  
Research Professor (P-T), Department of Psychology, University of Connecticut, 2017-  
present  
Clinical Professor, Child Study Center, Yale School of Medicine, 2018-present  
Research Scientist, Department of Psychology, Yale University, 2019-present

**Professional Affiliations:**

American Association for the Advancement of Science  
Association for Psychological Science

Cognitive Development Society  
Cognitive Science Society  
International Congress on Infant Studies  
Psychonomic Society  
Society for Functional Near-Infrared Spectroscopy  
Society for Language Development  
Society for the Neurobiology of Language  
Society for Research in Child Development  
Vision Sciences Society

**Recent Invited Colloquia and Keynote Addresses:**

University of Connecticut, Institute for the Brain and Cognitive Sciences, May 2019  
University of British Columbia, Quinn Memorial Lecture, April 2019  
Windward School (NYC), Schwartz Memorial Lecture, April 2019  
Society of Experimental Psychologist, Rutgers University, March 2019  
Central European University, January 2019  
CIFAR-Yale Workshop, October 2018  
Hamilton College, April 2018  
Brandeis University, March 2018  
Smith College, March 2018  
Tulane University, March 2018  
Yale University, November 2017  
Universite Paris Descartes, October 2016  
University of Geneva, Piaget Archives Lecture, June 2016  
International Congress on Infant Studies, May 2016  
Association for Psychological Science, May 2016  
University of Toronto, March 2016  
University of California-Riverside, February 2016  
Haskins Laboratories, New Haven, CT, October 2015  
Yale University, October 2015  
BCBL Conference on Statistical Learning, San Sebastian, Spain, June 2015  
University of Texas at Dallas, April 2015  
Queens University, March 2015  
University of Buffalo, March 2015  
University of Wisconsin, December 2014  
Boston University Child Language Development, keynote address, November 2014  
Pennsylvania State University, October 2014

**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*, 2001-2012  
Editor, *Infancy*, June 1, 2003-2008  
Member of advisory board, *Language Learning and Development*, 2005-present  
Member of editorial board, *Cognitive Science*, 2010-2014  
Associate Editor, *Developmental Science*, 2011-2015  
Member, NIH Study Section on Language and Communication, 2014-2017  
Editor, *Open Mind: Discoveries in Cognitive Science*, 2016-present  
Member, Advisory Panel on Maternal, Neonatal, and Child Health Development, Bill and Melinda Gates Foundation, 2018-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", 2007-2011

ONR-MURI grant (N00014-07-1-0937), "Complex learning and skill transfer with video games", D. Bavelier PI, 2007-2012

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]

NSF grant (CBET-0931687), "Enhanced near-infrared monitoring of brain function in infants", A. Berger PI, 2009-2012

NIH grant (HD-067250), "Statistical learning of multiple patterns in infants, adults, and monkeys", D. Weiss PI, 2011-2016

NIH Grant (HD-073890), "Time course of spoken word recognition", M. Tanenhaus PI, 2012-2016

NSF conference workshop grant (BCS-1339060), "Learning to attend, attending to learn: Neurological, behavioral, and computational perspectives", R. Wu PI, Fall 2013

NSF grant (BCS-1514351), "EAGER: Developmental mechanisms of perception and language in the infant brain", R. Aslin PI, C. Nelson co-PI, 2015-2017

University Research Award, University of Rochester, “Laboratory for Interactional Dynamics: Using Real-Time Avatars to Manipulate Social Cues”, M. Sturge-Apple PI, R. Aslin and W. Heinzelman, co-PIs, 2015-2016  
NIH Grant (HD-088731), “Probabilistic computation in the cortex of the developing human brain”, R. Aslin PI, J. Fiser co-I, 2016-2018  
McDonnell Foundation (220020494), “Planning grant: Statistical Learning”, R. Aslin PI, Ram Frost, Ken Pugh, Jay Rueckl co-I’s, 2017-2019  
NIH Grant (HD-037082), “Statistical approaches to linguistic pattern learning”, E. Newport PI, R. Aslin co-PI, 2017-2022  
NIH Grant (DC-017596), “Decoding the neural time-course of spoken word recognition”, R. Aslin, PI, B. McMurray MPI, 2018-2020  
Gates Foundation (OPP1206097), “Connectome-based Predictive Modeling of fNIRS and EEG from LMIC infants and infant-sibs of ASD”, PI, 2019-2020

## **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, 2<sup>nd</sup> 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.
- Aslin, R. N. (2010). Perceptual constraints on implicit memory for visual features: Statistical learning in human infants. In L. Oakes, D. Rakison, M. Casasola, & C. Cashon (Eds.), *Infant perception and cognition: Recent advances, emerging theories, and future directions* (pp. 111-124). Oxford University Press.
- Kidd, C., White, K. S., and Aslin, R. N. (2011). Learning the Meaning of “Um”: Toddlers’ developing use of speech disfluencies as cues to speakers’ referential intentions. In I. Inbal & E. Clark (Eds.), *Experience, variation, and generalization: Learning a first language* (Trends in Language Acquisition Research). Amsterdam: John Benjamins.
- Aslin, R. N. (2012). Language development: Revisiting Eimas et al.’s /ba/ and /pa/ study. In A. Slater & P. C. Quinn (Eds.), *Developmental psychology: Revisiting the classic studies*. London: SAGE (pp. 191-203).
- Candy, T. R. & Aslin, R. N. (in press). Visual sensory development. In J. B. Benson (Eds.), *Encyclopedia of infant and early childhood development: Volume 2. Cognition, Perception, and Language* (L. M. Oakes, volume editor).

#### 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.
- Aslin, R. N. (2011). Perceptual organization of visual structure requires a flexible learning mechanism. *Infancy*, *16*, 39-44.
- Aslin, R. N. (2012). Infant eyes: A window on cognitive development. *Infancy*, *17*, 126-140.
- Aslin, R. N. (2013). Reading and writing systems: Conveying and archiving language. *Language Learning and Development*, *9*, 293-295.
- Bejjanki, V. R. and Aslin, R. N. (in press). Optimal, resource-rational or sub-optimal? Insights from cognitive development. Commentary on F. Lieder and T. L. Griffiths, "Resource-rational analysis: understanding human cognition as the optimal use of limited computational resources." *Behavioral and Brain Sciences*.

#### 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.
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### Manuscripts Under Review

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