

**Leslie J. Carver**  
Curriculum Vita

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Research Interests

*My research interests focus on the development and plasticity of brain systems involved in cognition and social cognition in infancy. My primary focus of research is in two specific areas. One line of my research focuses on the development of infants' ability to represent information and retain representations over long periods of time. I am particularly interested in how this system emerges in infancy and factors that predict individual differences in the development of the representational system. In my second line of research, I am investigating how infants process faces and get information from others' emotional expressions. I am especially interested in the impact infants' relationships have on these social cognitive abilities. In my research, I use a combination of behavioral and electrophysiological measures to address questions of development and individual differences in these systems in typically developing children and children with or at risk for autism.*

Education

B.S. (summa cum laude), 1993, University of Minnesota

Ph.D., 1998, University of Minnesota

Thesis Title: The Dawning of a Past: The Emergence of Declarative Memory in Infancy  
Thesis Advisor: Charles A. Nelson, Ph.D.

Professional Experience

- Associate Professor (2007 – Present)  
University of California, San Diego  
Psychology and Human Development
- Assistant Professor (2001-2007)  
University of California, San Diego  
Psychology Department
- NIH Post-Doctoral Trainee, University of Washington (1998-2001)  
National Institutes of Health training grant #HD-07391  
Primary Sponsor - Andrew N. Meltzoff, Ph.D.  
Responsibilities include conducting research on brain indices of memory and emotion in children with autism, children who are developmentally delayed, and typically

developing children; data analysis; and supervision of undergraduate and graduate research associates.

- Instructor - College of Saint Catherine, St. Paul, MN (Fall, 2007)
- Instructor - University of Minnesota, Institute of Child Development (March, 1997-December, 1997).

#### Honors and Awards

- University of California, San Diego Chancellor's Summer Faculty Fellowship (2002)
- University of Minnesota Graduate School Dissertation Fellowship (1997-1998)
- University of Minnesota Eva O. Miller Graduate School Fellowship (1997)
- University of Minnesota NIH Predoctoral Trainee (1996-1997)
- National Science Foundation Graduate School Fellowship (1993-1996)
- Phi Beta Kappa (1993)

#### Grants

- NIMH R01 HD0528042008 – “Development of Neural Pathways in Infants at Risk for ASD” 2/2008 – 1/2012 - Co-Investigator (Karen Dobkins, PI). \$1,062,500
- NICHD 1R03HD053687-01A1 “Factors affecting the development of individual differences in long-term memory: 09/17/2007 – 08/31/2009 - \$154,500. PI:
- University of California, San Diego Academic Senate Grant (2002). \$7000.00
- NICHD – “Neural basis of social cognition in early childhood” (2002-2006) \$250,000.00
- MIND Institute – “Neural and behavioral precursors to autism in infancy”. Co-Investigator (Karen Dobkins, PI) (2004-2005) \$50,000
- National Alliance for Autism Research – “Neural and behavioral precursors to autism in infancy”. Co-Investigator (Karen Dobkins, PI). (2004-2006) – \$69,942.00
- National Alliance for Autism Research – “Neural and behavioral precursors to autism in infancy”. Co-Investigator (Karen Dobkins, PI). (2006-2007) – \$60,000.00
- National Alliance for Autism Research (Autism Speaks) – “Identifying early development signs associated with later development of autism” (2006 – 2009) – \$100,000.00. PI (Karen Dobkins, Co-Investigator)
- Cure Autism Now – “Computer-based receptive language training for young children with autism”. Co-Investigator (Laura Schreibman, PI). - \$60,000.00
- Kavli Institute for Brain and Mind – “Neural correlates of social referencing in children with autism”. PI - \$25,000.00
- National Institute of Child Health and Human Development – “Factors Affecting the Development of Individual Differences in Long-term Memory in Infancy”. PI - \$154,000. 2007 - 2009
- NICHD “The development of neural pathways in infants at risk for autism spectrum disorders” Co-Principal Investigator (with Karen Dobkins) – \$1,545,000, 2008 – 2013.

#### Grants under review

NSF. "Social Relationships and Face Processing in Development. \$299,699.

NICHD. "Relations between social behavior and the neural correlates of face processing".  
\$1,045,039

- Autism Speaks. "Effects of observed emotion on emotional recognition, regulation, and language in infants at risk for autism." \$408,901.

#### Professional Societies

- American Psychological Association (Division 7)
- American Psychological Society
- Cognitive Development Society
- Cognitive Neuroscience Society
- International Society for Autism Research
- International Society for Infancy Studies
- Society for Research in Child Development

#### Editorial Activities

- Editorial Board Member:
  - *Infancy*, November, 2003 – 2007
  - *Journal of Cognition and Development* – September 2004 to present
  - *Developmental Psychology* – January, 2005 to present
  - *Frontiers in Human Neuroscience* – June, 2008 to present
- Consulting Editor
  - *Brain Research*
  - *Child Development*
  - *Cognitive Development*
  - *Development and Psychopathology*
  - *Developmental Science*
  - *European Journal of Developmental Psychology*
  - *Human Development*
  - *Infant Behavior and Development*
  - *Infancy*
  - *Journal of Autism and Developmental Disorders*
  - *Journal of Child Psychology and Psychiatry*
  - *Journal of Cognitive Neuroscience*
  - *Journal of Experimental Child Psychology*
  - *Journal of Personality and Social Psychology*
  - *Neurobiology of Aging*
  - *Neuropsychologia*
  - *Psychophysiology*
  - *Psychological Science*

- Society for Research in Child Development - Reviewer, 2001, 2003 Biennial Meetings
- Grant Review
  - Served on National review panel for the Department of Education Preschool Curriculum grant program, 2002
  - Alberta Heritage Foundation for Medical Research (2006)
  - National Institutes of Mental Health B/START (2006)

## Publications

### Peer Reviewed Journal Articles

Zwaigenbaum, L. Bryson, S., Lord, C., Rogers, S., Carter, A. Carver, L., Chawarska, K., Constantino, J., Dawson, G., Dobkins, K., Fein, D., Iverson, J., Klin, A., Landa, R., Messinger, D., Ozonoff, S., Sigman, M., Stone, W., & Yirmiya, N. (2009). Clinical assessment and management of toddlers with suspected ASD: Insights from studies of high-risk infants. *Pediatrics*, *123*;1383-1391.

McCleery, J.P.\*, Allman, E., Carver, L. J., Dobkins, K.R. (2007). Abnormal magnocellular pathway visual processing in infants at risk for autism. *Biological Psychiatry. Special Issue: Autism and attention deficit hyperactivity disorder*, *62*, 1007-1014

Swingler, M.M.\*, Sweet, M. & Carver, L.J (2007). Relation between mother-child interactions and the neural correlates of face perception in 6-month-old infants. *Infancy*, *11*, 63-86.

Carver, L.J. & Vaccaro, B.G.\*\* (2007). Twelve-month-old infants allocate increased neural resources to stimuli associated with negative parental expressions, *Developmental Psychology*, *43*, 54-69.

Carver, L.J. (2006). Individual differences in generalization and imitation: What is the role of brain development? *Infant and Child Development*, *15*, 211-213.

Bauer, P.J., Wiebe, S.A., Carver, L.J., Lukowski, A.F., Haight, J.C., Waters, J.M. & Nelson, C.A. (2006). Electrophysiological indices of encoding and behavioral indices of recall: Examining relations and developmental change late in the first year of life. *Developmental Neuropsychology* *29*, 293-320

Carver, L. J., Meltzoff, A. N., & Dawson, G. (2006). Neurophysiological correlates of the recognition of 2-D and 3-D stimuli by 18-month-olds. *Developmental Science*, *9*, 51-62.

Dawson, G., Webb, S.J., Carver, L.J., Panagiotides, H., & McPartland, J. (2004). Young children with autism show atypical brain responses to fearful versus neutral facial expressions of emotion. *Developmental Science* *7*, 340-359.

McPartland, J., Dawson, G., Webb, S.J., Panagiotides, H. & Carver, L.J. (2004). Event-related brain potentials reveal anomalies in temporal processing of faces in autism. *Journal of Child Psychology and Psychiatry and Allied Disciplines*, 45, 1235-1245.

Carver, L.J., Dawson, G., Panagiotides, H., Meltzoff, A.N., McPartland, J., Gray, J. & Munson, J. (2003). Age-related differences in neural correlates of face recognition during the toddler and preschool years. *Developmental Psychobiology*, 42, 148-159.

Bauer, P.J., Wiebe, S.A., Carver, L.J., Waters, J.M, & Nelson, C.A. (2003). Developments in long-term explicit memory late in the first year of life: Behavioral and electrophysiological indices. *Psychological Science*, 14, 629-635.

Carver, L.J. & Dawson, G. (2002). Development and neural bases of face recognition in autism. *Molecular Psychiatry*, 7, S18-20.

Dawson, G., Carver, L.J., Meltzoff, A.N., Panagiotides, H., McPartland, J., and Webb, S.J. (2002). Neural correlates of face recognition in young children with autism spectrum disorder. *Child Development*, 73, 700 - 717.

Dawson, G., Munson, J., Estes, A., Osterling, J., McPartland, J., Toth, K., Carver, L.J., & Abbott, R. (2002). Neurocognitive function and joint attention ability in young children with autism, *Child Development*, 73, 345 – 358..

Carver, L. J. & Bauer, P. J. (2001). The dawning of a past: The emergence of long-term explicit memory in infancy. *Journal of Experimental Psychology: General*, 130, 726-745.

Dawson; G., Osterling J., Rinaldi, J. Carver; L. J., & McPartland; J. (2001). Brief Report: Recognition memory and stimulus-reward associations: Indirect support for the role of the ventromedial prefrontal dysfunction in autism. *Journal of Autism and Developmental Disorders*, 31, 337 – 341.

Carver, L.J., Bauer, P.J., & Nelson, C.A. (2000). Associations between infant brain activity and recall memory. *Developmental Science.*, 3, 234 - 246.0

Dawson, G, Ashman, S., & Carver, L. J. (2000). The role of early experience in shaping behavioral and brain development and its implications for social policy. *Development and Psychopathology*, 12, 695 - 712.

Nelson, C.A., Monk, C.S., Lin, J., Carver, L.J., Thomas, K.M., & Truwit, C. (2000). Functional neuroanatomy of spatial working memory in children. *Developmental Psychology*, 36, 109 - 116.

Carver, L.J. & Bauer, P.J. (1999). When the event is more than the sum of its parts: Nine-month-olds' long-term ordered recall. *Memory*, 7, 147-174.

Nelson, C.A. & Carver, L.J. (1998). The effects of stress on brain and memory: A view from developmental cognitive neuroscience. *Development and Psychopathology*, 10, 793-809.

### Book Chapters

Carver, L.J. & Cluver, A.\* (2009). Stress effects on the brain system underlying explicit memory. In J. Quas and R. Fivush (Eds.) *Emotion and Memory in Development: Biological, Cognitive, and Social Considerations*, (pp.278-312). New York, Oxford University Press.

Carver, L.J. & Cornew, L.\* (2009). Development of social information gathering in infancy: A model of neural substrates and developmental mechanisms. In M. de Haan & M. Gunnar, Eds. *Handbook of Developmental Social Neuroscience*. (pp.122-141). New York; Guilford Press.

Carver, L.J. & Bell, M.A. (2005). Clinical Electrophysiology of the Developing Human Brain. In C.E. Coffey & R.A. Brumback, (Eds.) *Textbook of Pediatric Neuropsychiatry*. 2<sup>nd</sup> edition. Washington, D.C., American Psychiatric Press.

Meltzoff, A.N. & Carver, L.J. (2003). Memory in Infancy. *In Encyclopedia of Learning and Memory, Second Edition*. J.H. Byrne (Ed.). New York: MacMillan.

### Manuscripts in press

Cornew, L.\*, Love-Geffen, T., & Carver, L.J. (in press). There's more to emotion than meets the eye: A processing bias for neutral content in the domain of emotional prosody. *Cognition and Emotion*.

Swingler, M.M.\*, Sweet, M., & Carver, L.J. (in press) Brain-Behavior Correlations in the Development of the Mother-Child Relationship. *Developmental Psychology*

### Manuscripts under review

#### Submitted

#### Manuscripts in revision

McCleery, J.P., Akshoomoff, N.A., Dobkins, K.R. & Carver, L.J. Atypical Face Processing in 10-Month-Old Infants at Risk for Autism. *Biological Psychiatry*.

McCleery, J.P.\*, Burner, K.\*\*\*, Carver, L.J., & Lee, K. Neural correlates of the processing of featural and configural information in faces.

Carver, L. J. Putting things in their proper order: Effects of viewing pictorial reminders on long-term memory in the first year of life.

Carver, L.J. & Cornew, L.\* Here's Looking at You, Mom: Qualitative Gains in Social Information Seeking Between 12 and 18 Months of Age. *Journal of Experimental Child Psychology*

Cornew, L.\*, Dobkins, K., Akshoomoff, N.A., McCleery, J.\*, & Carver, L.J. Social referencing in infants at risk for autism: Evidence for a broader autism phenotype at 18 months of age.

McCleery, J.P.\*, Ge, Liezhong, Wang, Zhe, Tian, J., Ju, J., Carver, L.J., & Lee, K. Neural correlates of visual expertise: Chinese face versus Chinese character processing.

#### Manuscripts in preparation

Carver, L.J. Biological Foundations of Social Development. To appear in .M.K. Underwood & L.H. Rosen (Eds). *Social Development*. New York; Guilford Press.

Cluver, A.\* & Carver, L.J. Suppression of exploratory behavior coincides with long-term recall in 9- and 10-month-olds.

#### In progress

Cox, M.M.\* & Carver, L.J. Neural correlates of self-recognition during the second year of life.

Cox, M.M. & Carver, L.J. Behavioral indicators of attachment stage in 6-month-old infants.

Carver, L.J. & Swayne, K.\* ERP responses to familiar and unfamiliar real objects and pictures in 9- and 18-month-old infants.

Carver, L.J. & Mosher, K.\*\* Effects of order of re-exposure on long-term memory in 9-month-olds.

\* Graduate Student

\*\* Undergraduate Student

#### Invited Presentations

Carver, L.J. (2007, May/June). Development and neural correlates of infants' use of adults' emotional expressions in novel contexts. Paper presented in invited symposium *The Neuroscience of Emotion and Emotion Regulation: Implications for Social Cognitive Development*, Jean Piaget Society 37<sup>th</sup> Annual Meeting. Marc Lewis, organizer.

Carver, L.J. (2007, February). Social Referencing in infancy: Neural correlates, age-related change, and developmental risk. Paper presented at the R2K Research Symposium, Sensory Integration and Self-Regulation: Effects on Behavior and Development. Long Beach, CA

Carver, L.J. (2007). The Development of long-term explicit memory in infancy: Views from studies of behavior and brain activity. University of Maryland.

Carver, L.J. (2007). A developmental cognitive neuroscience approach to the development of long-term memory in infancy. University of California, Riverside.

Carver, L.J. (2006). *Face and object processing in children at risk for autism spectrum disorders*. Paper presented in Symposium *Advances in autism: new links between genes, neurobiology, behavior, treatment*. John Constantino, Chair. American Academy of Child and Adolescent Psychiatry annual meeting, San Diego, CA.

Carver, L.J. (2006). *Executive functions and social cognition: Implications for the development of autism*. Conferinta Nationala de Psihologie, Romania. Satellite Symposium on Developmental Cognitive and Affective Neuroscience. Cluj, Romania.

Carver, L.J. (2006). *Face processing, emotion recognition, and social cognition in children with autism and children at risk for autism*. Conferinta Nationala de Psihologie, Romania. Satellite Symposium on Developmental Cognitive and Affective Neuroscience. Cluj, Romania.

Carver, L.J. (2006). *Social referencing in infancy: Neural correlates, age-related change, and developmental risk*. University of California, Davis

Carver, L.J. (2005). *Neural correlates, individual differences, and risk in infant social referencing*. UC Irvine

Carver, L.J. (2005). *Neural basis, individual differences, and risk in social referencing*. Emory University Conference on Developmental Cognitive Neuroscience, April, 2005.

Carver, L.J. (2005). *Neural foundations of social cognitive development: ERP and behavioral measures*. University of Minnesota's Pathways of Development Conference.

Carver, L.J. & Bates, E.A. (July 2005) *ERP Activity to Pairings of Words and their Referents*. Paper presented in *Picture Recognition Approaches to Comprehension: Neuroscience, Cross-Linguistic and Atypical Development Perspectives*, Margaret Friend, Chair. International Congress for the Study of Child Language, Berlin, Germany.

Bauer, P. J. & Carver, L. J. (2000). *Development of long-term ordered recall in infancy*. Paper presented at the American Psychological Association Meeting on Prefrontal cortex and development. Temple University, Philadelphia, PA.

Carver, L.J. & Dawson, G. (2000). *Face recognition in children with autism*. Paper presented at the MacArthur Foundation Research Network on Early Experience and Brain Development Face Recognition Meeting, New York, NY.

Dawson, G., Carver, L. J., McPartland, J. (2000). *Role of ventromedial prefrontal dysfunction in the attentional impairments found in autism*. Paper presented at the National Institutes of Health Conference on Attention and Intentionality in Autism, University of New Jersey Medical School.

Dawson, G., Carver, L.J., & McPartland, J. (2000). *Role of ventromedial prefrontal dysfunction in the attentional impairments found in autism*. Paper presented at the American Psychological Association Meeting on Prefrontal cortex and development. Temple University, Philadelphia, PA.

Carver, L.J. (1996). *The development of the neural basis of long-term memory*. Paper presented at the annual spring retreat, Center for Research in Learning, Perception, and Cognition, University of Minnesota

Carver, L.J., Bauer, P.J., & Nelson, C.A. (1996). *Individual differences in recognition and recall among 9-month-old infants: Possible implications for research on neural and functional plasticity*. Poster presented at the NIMH Conference to Advance Research on Developmental Plasticity. Washington, DC.

### Symposia

Carver, L.J. (2005). *Social Cognitive Neuroscience*. Paper symposium presented at the biennial meeting of the Society for Research in Child Development, Atlanta, Georgia.

Carver, L.J. (2005) Discussant. Symposium: *Neural Correlates of Memory Development Using ERP/fMRI*. SRCD, Atlanta Georgia.

Carver, L.J. (2006). Discussant. Symposium: Prenatal exposure to maternal cortisol influences cognitive development. Gatlinburg Conference on Research and Theory in Intellectual and Developmental Disabilities. San Diego, CA.

### Conference Presentations

Cluver, A.L., Heyman, G., & Carver, L.J. (2009, April). A Friend Who Knows What to Do: How Competency and Social Engagement Influence Who Infants Seek Help From  
Paper presented at the biennial meeting of the Society for Research in Child Development, Denver, Colorado.

Swingler, M.M. & Carver, L.J. (2009, April). Relations Between Age, Behavior, and the Neural Correlates of Face Recognition in Toddlers. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, Colorado

Dobkins, K.R., Akshoomoff, N.A., Carver, L.J., Dohrman, E., McCleery, J.P. (2008, May). *Early Cognitive, Communicative and Social Development in Infants Siblings of Children with Autism Spectrum Disorders (ASD)*. Paper presented at the International Meeting for Autism Research (IMFAR), London, England.

Cornew, L., Carver, L.J., & Love, T. (2008, April). The Time Course of Processing Emotional Prosody: Behavioral and Electrophysiological Investigations. Poster presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

McCleery, J.P., Kinnear, M., Burner, K., Stahmer, A., Carver, L.J., Ceponiene, R., & Schreibman, L. (2008, March). *Computer-Based Receptive Language Training for Infants*. Poster presented at the International Conference on Infancy Studies, Vancouver, B.C., Canada.

McCleery, J.P., Dobkins, K.R., Geal-Touhy, S., & Carver, L.J. (2008, March). Facial Emotion Processing in 10-month-old Infants: Happy versus Disgust. Poster presented at the International Conference on Infancy Studies, Vancouver, B.C., Canada.

Swingler, M.M. & Carver, L.J. (2007, June). The neural correlates of the development of self-recognition in the second year of life. Poster presented at the Annual Meeting of the Jean Piaget Society: Developmental Social Cognitive Neuroscience. Amsterdam, Netherlands.

Cornew, L., Love, T., Batten, G., & Carver, L.J. (2007, May). There's more to emotion than meets the eye: Processing of emotional prosody in the auditory domain. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York, NY.

Carver, L.J., Cornew, L., Dobkins, K.R., & McCleery, J.P. (2007, May). Social referencing in children at risk for autism: Behavior and brain activity. Paper presented at the International Meeting for Autism Research, Seattle, WA

Cluver, A.L. & Carver, L.J. (2007, April). Suppression of Exploratory Behavior in Preverbal Infants Following Event Modeling. Poster presented at the biennial meeting of the Society for Research in Child Development. Boston, MA.

Winward, J., Carver, L.J., & Cornew, L. (2007, April). Neural Correlates of Stability and Change in 18-month-Olds' Temperament. Poster presented at the biennial meeting of the Society for Research in Child Development. Boston, MA

McCleery, J. P., Ge, L., Wang, Z., Tian, J., Ju, J., Carver, L. J., & Lee, K. (May, 2007). Neural correlates of visual discrimination expertise: Chinese face versus Chinese character processing. Poster presented at the 6th Annual Meeting of the Vision Sciences Society, Sarasota, FL.

Dobkins, K.R., McCleery, J.P., Burner, K.M., & Carver, L.J. (2006, October). Atypical face processing in 10-month-old infant siblings of children with autism. Poster presented at the Society for Neuroscience Annual Meeting, Atlanta, GA

Carver, L.J., McCleery, J.P., Reed, S.R., Burner, K.M., Tully, L.M., & Dobkins, K.R. (2006, May). *The broader phenotype in 10-month-old infant siblings of children with autism*. Poster presented at the International Meeting for Autism Research, Montreal, Canada.

McCleery, J.P., Burner, K.M., Dobkins, K.R., & Carver, L.J. (2006, May). *Neural correlates of face processing in infant siblings of children with autism*. Poster presented at the International Meeting for Autism Research, Montreal, Canada.

Carver, L.J. (2005). *Developments in the behavioral and neural correlates of social referencing*. Poster presented at the Duke University Conference on Infant Learning and Cognition.

Clüver, A. & Carver, L.J. (2005). *Suppression of exploratory behavior in preverbal infants following event modeling*. Poster presented at the biennial meeting of the Cognitive Development Society, San Diego, CA.

Cox, M.M. & Carver, L.J. (2005). Electrophysiological correlates of the emergence of self recognition. Poster presented at the biennial meeting of the Cognitive Development Society, San Diego, CA.

Carver, L.J. (2005). *Neural Basis, individual differences, and risk in social referencing*. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Atlanta Georgia April, 2005.

Kermoian, R. & Carver, L.J. (2005). *Locomotor Experience and Long-term Recall Memory for Multi-Step Events in 9-Month-Old Infants*. Poster to be presented at the biennial meeting of the Society for Research in Cognitive Development, Atlanta Georgia.

Carver, L.J. (2004, May) *Individual differences in social referencing: behavior and neural correlates* Poster presented at the biennial meeting of the International Conference in Infant Studies, Chicago, IL

Cox, M.M. & Carver, L.J. (2004). *Relations between attachment formation and the neural correlates of face perception in 6-month-old infants*. Poster to be presented at the biennial meeting of the International Conference in Infant Studies, Chicago, IL

McCleery, J.P., Burner, K., Carver, L.J., & Lee, K. (2004, October). *Neural correlates of the processing of featural and configural information in faces: Inversion effects*. Paper presented in symposium Visual cortex: Processing of faces at the 34th Annual Meeting of the Society for Neuroscience, San Diego, CA.

Carver, L.J. & Mosher, K. (2003) *The effects of presentation order on recognition and recall memory in 9-month-olds*. Poster presented at the meeting of the Cognitive Development Society, Park City, Utah

Carver, L.J. & Dominguez, B. (2003, April). *Neural correlates of social referencing in 12-month-old infants*. Poster presented at the biennial meeting of the Society for Research in Child Development. Tampa, Florida.

Swayne, K. & Carver, L.J. (2003). *Age-related changes in infants' ERP responses to real objects and pictures*. Poster presented at the biennial meeting of the Society for Research in Child Development. Tampa, Florida.

Carver, L.J., Mandilawi, N. & Bates, E.A.. (2003) *Neural correlates of lexical development at 24 months of age*. Poster presented at the meeting of the Cognitive Development Society, Park City, Utah

Carver L.J. & Meltzoff, A.N. (2001). *Neural correlates of memory for 2-D and 3-D stimuli in 18-month-old infants*. Poster presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.

Dawson, G., Carver, L.J., Panagiotides, H., & McPartland, J. (2001). *Neural correlates of face recognition in young children with autism and typical development*. Paper presented at the biennial meeting of the Society for Research in Child Development. Minneapolis, MN.

Dawson, G., Carver, L.J., Panagiotides, H., & McPartland, J. (2001). *High-density event-related potentials to fear and neutral facial expressions by children with autism spectrum disorder*. Paper presented at the 2001 International Meeting for Autism Research, San Diego California.

Carver, L. J., Meltzoff, A. N. & Dawson, G. (2000). *ERP measures of the recognition of real objects by 18-month-olds*. Poster presented at the International Conference on Infant Studies, Brighton, UK.

Dager, S., Friedman, S., Shaw, D., Echelard, D., Artru, A., Strauss, W., Sparks, B., Carver, L.J., Richards, T., Munson, J., & Dawson, G. (2000). *Neuroimaging of the autistic child's brain: Brain structure, chemistry, and function*. Paper presented at the 11th World Congress of the International Association for the Scientific Study of Intellectual Disabilities. Seattle, WA.

Johnson, K.S., Bradley, S.W., Waters, J.M., Carver, L.J., Nelson, C.A., & Bauer, P.J. (2000). *Individual differences in 9-month-olds' recall: Charting the course of consolidation using ERPs and behavior*. Poster presented at the International Conference on Infant Studies, Brighton, UK.

Carver, L.J., Dawson, G., Wewerka, S.S., Gray, J.W., Panagiotides, H.S., McPartland, J., Tribby-Walbridge, S., Rinaldi, J., and Werner, E.B. (1999). *Neural correlates of recognition*

*memory during the second year of life*. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.

Johnson, K.S., Waters, J.M., & Carver, L.J. (1999). *Elicited imitation and ERPs: Converging measures of the emergence of long-term declarative memory*. Poster presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.

Carver, L.J. (1998). *As time goes by: Forgetting and remembering in 9- and 10- month-olds*. Poster presented at the International Conference on Infant Studies, Atlanta, GA.

Carver, L.J. (1998). *Easy does it? The role of task difficulty and age in infants' recall of events*. Poster presented at the International Conference on Infant Studies, Atlanta, GA.

Nelson, C.A., Le, T., Hu, X., Lin, J., Carver, L.J., Monk, C.S. & Truwit, C.L. (1997). *The use of functional magnetic resonance imaging (fMRI) in children: Preliminary studies of working memory in 8- to 10-year-olds*. Paper presented at the biennial meeting of the Society for Research in Child Development, Washington, D.C.

Carver, L.J. & Bauer, P.J. (1996). *The tortoise and the hare: Predictive relations between early and later recall*. Poster presented at the biennial meeting of the International Conference on Infant Studies, Providence, RI.

Carver, L.J. & DeHaan, M. (1996). *How does brain development relate to memory development?* Paper presented in the Symposium: Perspectives on Infants Memory. Harlene Hayne, organizer. Biennial meeting of the International Conference on Infant Studies. Providence, RI.

Carver, L.J., Ehlers, S., Realmuto, G., & Nelson, C.A. (1996). *Electrophysiological indices of categorization: Differentiation between emotional and non-emotional categorization tasks*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Truwit, C.L., Le, T.H., Hu, X., Lin, J., Carver, L.J., Thomas, K.M., Monk, C.S., & Nelson, C.A. (1996). *Functional MR imaging of working memory task activation in children: Preliminary findings*. Paper presented at the meeting of the American Society of Neuroradiology, Seattle, WA.

Carver, L.J. (1995). *A mosaic of nine-month-olds' memories: Looking time, ERP, and elicited imitation measures*. Poster presented at the biennial meeting of the Society for Research in Child Development, Indianapolis, IN

Carver, L.J., Nelson, C.A., & Realmuto, G. (1995). *Mapping the emotional brain*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

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