

## LISA SARAH SCOTT CURRICULUM VITAE

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Department of Psychology/Neuroscience and Behavior Program  
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### EDUCATION

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Ph.D.	University of Minnesota, Twin Cities Major Area: Child Psychology Minor Area: Neuroscience Advisor: Charles A. Nelson	2004
B.S.	University of Minnesota, Twin Cities Major Area: Child Psychology Minor Area: Neuroscience	1999

### RESEARCH INTERESTS

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My research examines perceptual and social category learning in primarily developmental, but also adult, populations. Using both behavioral and electrophysiological methods (high-density event-related potentials), my work focuses on how specific perceptual, cognitive, and social experiences influence how infants and adults learn to recognize and categorize faces and objects.

### EMPLOYMENT HISTORY

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Assistant Professor	University of Massachusetts at Amherst Department of Psychology, Neuroscience and Behavior Program	2006-present
Post-doctoral Research Associate	University of Colorado at Boulder Perceptual Expertise Network Advisor: Tim Curran	2004-2006
Pre-doctoral Trainee	University of Minnesota, Twin Cities Institute of Child Development, Center for Cognitive Sciences Advisor: Charles A. Nelson	1999-2004

## HONORS

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- Family Research Scholar (1 course reduction), Center for Research on Families, University of Massachusetts (2009-2010).
- Lilly Teaching Fellowship Recipient (2 course reduction), University of Massachusetts (2009-2010).
- New Faculty Award, XVIth Biennial International Conference on Infant Studies (2008).
- Burroughs Wellcome Fund Biomedical Sciences Career Award Nominee (2006).
- Trainee, Dartmouth Summer Institute on Cognitive Neuroscience (2005).
- Trainee, John Merck Fund Summer Institute, Developmental Cognitive Neuroscience, Princeton University (2003).
- Honorable Mention, NSF Fellowship Competition (2000).
- B.S. received with Honors from University of Minnesota (1999).
- Selmer Birklo Scholarship for academic excellence, Nominee (1998).
- Distinguished Academic Excellence Award While Studying Abroad (University of Wisconsin, Stevens Point).
- Deans List, College of Liberal Arts, University of Minnesota.

## FELLOWSHIPS AND GRANTS AWARDED

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Faculty Research Grant	2009-2011	University of Massachusetts	\$15,000
Small Research Grant	2009-2010	College of Social and Behavioral Sciences (CSBS), University of Massachusetts	\$4500
CSBS Grant Preparation Course Release	2008-2009	College of Social and Behavioral Sciences, University of Massachusetts	\$1000 (plus 1 course reduction)
CSBS Travel Grants	2007-2008	University of Massachusetts	\$1150
Mellon Mutual Mentoring Micro (M4) Grant	2007-2008	University of Massachusetts	\$1200
Faculty Research Grant	2006-2008	University of Massachusetts	\$15,000
Small Research Grant	2006-2008	College of Social and Behavioral Sciences, University of Massachusetts	\$3500
Dissertation Grant	2003-2004	Graduate School, University of Minnesota	\$1000
Small Research Grant	2003-2004	Institute of Child Development,	\$500

		University of Minnesota
Dissertation Fellowship	2003-2004	Graduate School, University of Minnesota
NIH Training Fellowship	2002-2003	Center for Cognitive Sciences, University of Minnesota

## GRANTS PENDING OR IN PREPARATION

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National Science Foundation (pending). Title: CAREER: Perceptual Narrowing and Cortical Development in Infancy, PI: Lisa S. Scott; Total= \$827,773.

National Institutes of Health: Fogerty International Center (pending) Title: Neonatal Neurobehavioral Impacts of Iodine Insufficiency and Pesticide Exposures, PI: Susan Woskie (UMass Lowell), Co-PI: Lisa Scott; Total= \$252,390.

National Institutes of Health Exploratory/Developmental Research Grant (R21) in Basic and Translational Research in Emotion (in preparation). Title: Perceptual Narrowing and the Influence of Race on Emotion Face Processing, PI: Lisa S. Scott; Total ~ \$315,000.

## JOURNAL PUBLICATIONS

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**Scott, L.S.** & Monesson, A. (2009). The origin of biases in face perception. *Psychological Science*, 20, 676-680.

**Scott, L.S.**, Tanaka, J.T., Sheinberg, D.L., & Curran, T. (2008) The role of category learning in the acquisition and retention of perceptual expertise: A behavioral and neurophysiological study. *Brain Research*, 1210, 204-215.

**Scott, L.S.**, Pascalis, O., & Nelson, C.A. (2007) A domain general theory of perceptual development. *Current Directions in Psychological Science*, 16(4), 197-201.

**Scott, L.S.**, Tanaka, J.W., Sheinberg, D., & Curran, T. (2006) A reevaluation of the electrophysiological correlates of expert object processing. *Journal of Cognitive Neuroscience*, 18(9), 1453-1465.

**Scott, L.S.**, Shannon, R.W., & Nelson, C.A. (2006) Neural correlates of human and monkey face processing in 9-month-old infants. *Infancy*, 10(2), 171-186.

**Scott, L.S.** & Nelson, C.A. (2006) Featural and Configural Face Processing in Adults and Infants: A Behavioral and Electrophysiological Investigation. *Perception*, 35(8), 1107-1128.

**Scott, L.S.**, Shannon, R.W., & Nelson, C.A. (2005). Behavioral and electrophysiological evidence of species-specific face processing. *Cognitive, Affective and Behavioral Neuroscience*, 4(5), 405-416.

Pascalis, O., **Scott, L.S.**, Kelly, D. J., Shannon, R.W., Nicholson, E., Coleman, M., & Nelson, C.A. (2005). Plasticity of face processing in infancy. *Proceedings of the National Academy of Sciences*, 102(14), 5297-5300

**Scott, L.S.**, Luciana, M., Wewerka, S. & Nelson, C.A. (2005) Electrophysiological correlates of facial self-recognition in adults and children. *Cognitie, Creier, Comportament (Romanian Journal- Translation: Cognition, Brain, Behavior)*, IX (2), 211-238.

## MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

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**Scott, L.S.** & Monesson, A. (submitted). Experience dependent neural specialization in infants.

Scott, L.S. & Monesson, A. Perceptual Narrowing and the Influence of Race on Emotion Face Processing. Manuscript in preparation.

**Scott, L.S.** Object expertise in infants: Evidence that individual level learning leads to face-like representations during development. Manuscript in preparation.

D'Lauro, C., **Scott, L.S.**, Sheinberg, D.L., Tanaka, J.W., Curran, T. Spaced Learning Promotes Robust Perceptual Expertise. Manuscript in preparation.

Pierce, L., **Scott, L.S.**, Boddington, S., Tanaka, J.T., & Curran, T. Beyond faces, The electrophysiological response to your own car and your own dog. Manuscript in preparation.

## CHAPTER PUBLICATIONS

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**Scott, L.S.** (in press). "Face Perception and Perceptual Expertise in Adult and Developmental Populations." Invited Chapter to appear in G.R. Rhodes, J. Haxby, M. Johnson, & A. Calder (Eds.) *Handbook of Face Perception*, Oxford University Press.

Monesson, A., & **Scott, L.S.** (Jan., 2010). "Perceptual Development." Chapter to appear in I.B. Weiner, & W.E. Craighead (Eds.) *Corsini's Encyclopedia of Psychology*, Fourth Edition. John Wiley & Sons, Inc.

**Scott, L.S.**, Tanaka, J.W., & Curran, T. (Nov., 2009). "Degrees of perceptual expertise." Chapter to appear in D. Bub, M.J. Tarr, & I. Gauthier (Eds.) *Perceptual Expertise: Bridging Brain and Behavior*, Oxford University Press.

DeBoer, T., **Scott, L.S.**, & Nelson, C.A. (2007). "Methods for Acquiring and Analysing Infant Event-Related Potentials." Chapter in: M. de Haan (Ed.). *Infant EEG and Event-Related Potentials*. Psychology Press.

**Scott, L.S.**, & Nelson, C.A., (2004). "The developmental neurobiology of face perception" Chapter in J.M. Oldman, & M.B Riba (Series Editors) *Review of Psychiatry Series*, Volume 23. American Psychiatric Publishing, Inc.

DeBoer, T., **Scott, L.S.**, & Nelson, C.A. (2004) "Event-related-potentials in developmental populations." Chapter in T. Handy (Ed.). *Event-Related Potentials: A Methods Handbook*. Massachusetts: MIT Press.

## CONFERENCE PRESENTATIONS

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**Scott, L.S.** Perceptual narrowing and the influence of race on emotion face processing. Symposium presentation submitted to the XVIIth Biennial International Conference on Infant Studies.

**Scott, L.S.** The influence of face and object training on perceptual narrowing during infancy. Symposium presentation submitted to the XVIIth Biennial International Conference on Infant Studies.

**Scott, L.S.** (March, 2009). The role of individuation versus categorization in the development of perceptual expertise. Poster presented at the Cognitive Neuroscience Society Annual Meeting.

**Scott, L.S.** (March, 2009). An examination of the neural and behavioral correlates of visual perceptual narrowing. Talk presented at the Society for Research in Child Development Biennial Meeting within the "Behavioral and Neural Processes Underlying Infant Categorization and Individuation Abilities" Symposium, Chair: Lisa S. Scott.

D'Lauro, C., **Scott, L.S.**, Sheinberg, D.L., Tanaka, J.W., Curran, T. (November, 2008). Spaced learning promotes robust perceptual expertise. Poster presented at the Society for Neuroscience Annual Meeting.

**Scott, L.S.**, Monesson, A., Buchinski, J. (March, 2008). An examination of the neural and behavioral correlates of visual perceptual narrowing. Poster presented at the XVIth Biennial International Conference on Infant Studies.

**Scott, L.S.**, Tanaka, J.W., Sheinberg, D.L. & Curran, T. (May, 2006). The contributions of category experience and learning to perceptual expertise: A behavioral and neurophysiological study. Poster presented at the Vision Sciences Society Annual Meeting.

**Scott, L.S.**, Tanaka, J.W., Sheinberg, D.L. & Curran, T. (November, 2005). Becoming an expert: Tracing the acquisition of perceptual expertise with ERPs. Poster presented at the Society for Neuroscience Annual Meeting.

Shannon, R.W., **Scott, L.S.**, Nicholson, E., Pascalis, O., Nelson, C.A. (May 2004). The role of early experience in face processing. Poster presented at the International Conference for Infant Studies Biennial Meeting.

**Scott, L.S.**, & Nelson, C.A. (April, 2004). The electrophysiological correlates of featural and configural face processing. Poster presented at the Cognitive Neuroscience Society Annual Meeting.

**Scott, L.S.**, & Shannon, R., Nelson, C.A. (April, 2003). The electrophysiological correlates of face processing in 9-month-old infants. Poster presentation at the Society for Research in Child Development Biennial Meeting.

**Scott, L.S.** & Nelson, C.A. (April, 2003) Increasing specificity in face processing: A developmental ERP study. Poster presentation at Cognitive Neuroscience Society Annual Meeting.

**Scott, L.S.**, & Nelson, C.A. (April, 2002). The electrophysiological correlates of face processing. Poster presented at Cognitive Neuroscience Society Annual Meeting.

**Scott, L.S.** & Nelson, C.A. (April, 2001) The electrophysiological correlates of working and recognition memory in 8-year-olds and adults. Poster presented at Society for Research in Child Development Biennial Meeting.

## TEACHING

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Human Development (Psych 791) Graduate Psychology Course Co-Taught with Maureen Perry-Jenkins, Ph.D.	Fall 2008; Fall 2009	University of Massachusetts
Child Psychology (Psych 350) Undergraduate Psychology Course (470 Students)	Spring 2009	University of Massachusetts
Child Psychology: Honors (Psych 350H) Undergraduate Psychology Course	Fall 2007	University of Massachusetts
Developmental Science Seminar and Colloquium Series (Psych 893B) Graduate Seminar	Fall & Spring 2007-2008	University of Massachusetts
Developmental Cognitive Neuroscience (Psych391RR) Undergraduate Psychology Seminar	Fall 2006; Spring 2008	University of Massachusetts
Biological Foundations of Development Undergraduate Child Psychology Course	Fall 2002	University of Minnesota

Introduction to Child Psychology  
Undergraduate Child Psychology Course  
Teaching Apprenticeship  
Teaching Advisor: Alan Sroufe

Spring 2002 University of Minnesota

## **SUPERVISION**

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### Current Students

Margaret Vogal (Developmental Psychology Graduate Student, 2008-present)  
Kate Margolus (Child Study and Early Education, MA Edu. Graduate Student 2009-present)  
Nara Allen (Undergraduate Research Assistant, Spring 2008- present)  
John Costello (Undergraduate Research Assistant, Fall 2009- present)  
Shannon Egna (Undergraduate Research Assistant, Spring 2008- present)  
Marina Garas (Undergraduate Research Assistant, Spring 2009- present)  
Kathryn Hauschild (Undergraduate Research Assistant, Fall 2008-present)  
Nick Hathaway (Undergraduate Research Assistant, Fall 2008- present)  
Victoria Papatthaniou (Undergraduate Research Assistant, Summer 2009- present)  
Annais Penninck (Field Experience Program, Internship at the Renaissance School, Fall 2009)  
Joanne Philippeaux (Undergraduate Research Assistant, Summer 2009- present)  
Emily Cutts (Bachelor's Degree with Individual Concentration advisee, Spring 2008- present)

### Former Students

Alexandra Monesson (Psychology (Developmental) Master's Student, 2007-2009)  
Jennifer Villamarie (Undergraduate Honors Student; Baystate/UMASS Summer Fellow, Spring 2007-2009)  
Amanda Lennox (Undergraduate Honors Student; LeBoviage Scholar Awardee, Spring 2007-2009)  
Jessica Buchinski (Undergraduate Honors Student; Baystate/UMASS Summer Fellow; Best Honors Thesis Award- Department of Psychology, Spring 2007-Spring 2008)  
Margaret Gaughran (Undergraduate Research Assistant, Spring 2007- Spring 2008)  
Samantha Semlitz (Undergraduate Research Assistant, Spring 2008-Spring 2009)  
Catlin Sheary (Field Experience Program, Internship at the May Institute, Spring 2008)  
Jonathan Fanning (Hampshire College Undergraduate Research Fellow, Summer 2007)  
Tara Frady (Hampshire College Undergraduate Research Fellow, Summer 2007)  
Lori Ashworth (Undergraduate Research Assistant, Spring 2007)  
Nichole DeMartinis (Undergraduate Research Assistant, Spring 2007)

## **PROFESSIONAL AND ACADEMIC AFFILIATIONS**

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- Society for Research in Child Development Member (2000-present)
  - Alternate Review Chair and Reviewer, Panel 1 (Infancy, 2008)
- Association of Psychological Science Member (2008-present)

- International Society on Infant Studies Member (2007- present)
  - Submission Reviewer (Cognition Panel, 2009/2010)
- Cognitive Neuroscience Society Member (2001-present)
- Neuroscience and Behavior Program, UMASS (2006-present)
- Vision Sciences Society, Member (2005-present)
- Center for Neuroscience, University of Colorado at Boulder (2004-2006)
- Center for Neurobehavioral Development Graduate Member, University of Minnesota (2001-2004)
- Center for Cognitive Sciences, University of Minnesota (1999-2004)
- Phi Kappa Phi Honors Society Member, (1998-present)

## COMMITTEE WORK

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- Collaborative Biomedical Research Program Board Member      2008-present  
Baystate Hospital /University of Massachusetts
- Colloquium Committee Member,  
Department of Psychology, University of Massachusetts      2008-present
- Developmental Search Committee Member,      2007-2008; 2008-2009  
Department of Psychology, University of Massachusetts
- Hiring Priorities Committee Member,      2007- present  
Department of Psychology, University of Massachusetts
- Computer and Technology Committee Member,      2006-2007  
Department of Psychology, University of Massachusetts

## EDITORIAL AND PROFESSIONAL SERVICE ACTIVITIES

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### Ad Hoc Reviews

- Biological Psychology
- Brain Research
- Child Development
- Cognition
- Comparative Psychology
- Developmental Science
- Frontiers in Neuroscience
- Infancy
- Journal of Experimental Psychology: Human Perception and Performance
- Journal of Experimental Psychology: General
- Journal of Child Neuropsychology
- Journal of Cognitive Neuroscience

- Memory and Cognition
- Neuropsychologia
- Perception
- Psychological Science
- Trends in Cognitive Science
- Visual Cognition

#### Text Book Reviews

- McGraw Hill's *Lifespan Development 9<sup>th</sup> Edition* Brain Content.
- McGraw Hill's *Child Development* Brain Content.
- Allyn and Bacon's *Infants, Children and Adolescents' 6<sup>th</sup> Edition*.
- Worth's *The Development of Children, 5<sup>th</sup> Edition*.
- Pearson's *World of Children 2<sup>nd</sup> Edition* Brain Content

#### Conference Reviews

- Society for Research in Child Development, Panel 1 (Infancy) Reviewer (2008); Alternate Chair (2008)
- International Society on Infant Studies, Cognition Panel Reviewer (2009)

#### Grant Reviews

- National Science Foundation (Cognitive Neuroscience Program; 2008)

## COLLOQUIA OR INVITED ADDRESSES

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### 2003

- Time for Effective Action on Maltreatment of Minors (TEAM) conference, Duluth, MN, "Brain Development- From Neurons to Neighborhoods."

### 2004

- Center for Cognitive Sciences, University of Minnesota, "Behavioral and Electrophysiological Evidence of Face Processing in Infants."
- Department of Psychology, University of Colorado- Boulder, "Featural and Configural Face Processing in Adults and Infants: A Behavioral and Electrophysiological Investigation."
- Perceptual Expertise Network, University of California, San Diego, "Featural and Configural Face Processing in Adults and Infants: A Behavioral and Electrophysiological Investigation."

### 2005

- Perceptual Expertise Network, Carnegie Mellon University. "Becoming an Expert: Tracing the Acquisition of Perceptual Expertise."
- Department of Psychology, University of Colorado- Boulder, "Training and Transfer in Perceptual Expertise."
- Department of Psychology, University of Colorado- Boulder, "Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."

- Department of Psychology, University of California- Davis, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."

## **2006**

- Department of Psychology, Colorado State University, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."
- Department of Psychology, Florida Atlantic University, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."
- Department of Psychology, Purdue University, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."
- Department of Psychology, San Diego State University, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."
- Department of Psychology, University of Massachusetts- Amherst, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."
- Department of Psychology, University of Massachusetts- Boston, " Category Learning and Perceptual Experience: Bridging Brain and Behavior Across the Lifespan."

## **2007**

- Interdisciplinary Center for Neural Computation, Hebrew University, Israel, "Revisiting the N170 as an Index of Perceptual Expertise."
- Psychology and Neuroscience Department, Duke University. "Perceptual Specialization in Infancy: Building Biases in the Brain."
- UMASS Office of Family Resources "Dinner On Us" Series. "Role of Early Experience in Child Development."

## **2008**

- Center for Culture, Brain, and Development, Hampshire College. "Perceptual Specialization in Infancy: Building Biases in the Brain."
- Department of Psychology, University of Victoria, Canada. "Narrow-minded Babies and the Development of Perceptual Biases in the Brain."
- Academic Computing, University of Massachusetts Amherst, Invited Speaker for Emerging Technologies, Pie, and Coffee Series. "Using Wikis with Students."
- Department of Psychology, University of Rochester, NY. "Perceptual Specialization in Infancy: Building Biases in the Brain."
- Department of Psychology, University of Connecticut. "Perceptual Specialization in Infancy: Building Biases in the Brain."
- UMASS Office of Family Resources "Dinner On Us" Series. "Role of Early Experience in Child Development."
- Harvard Medical School, Harvard University. "Perceptual Specialization in Infancy: Building Biases in the Brain."
- 48<sup>th</sup> Annual Meeting of the New England Psychological Association. "Careers in Academic Psychology."

## **2009**

- Department of Psychology University of Colorado, Boulder. "The Origins of Biases in Face Processing"
- University of Rochester, "Building an Effective Mentoring Network"

- The Singapore Institute for Clinical Sciences (SICS) and Abbott Nutrition R&D, Singapore. Symposium on Neurocognitive Development in Children: Science and Application. "Electrophysiological and Behavioral methods to assess learning in infants."

## REFERENCES

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Tim Curran, Ph.D.  
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University of Colorado, Boulder  
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Boulder, CO, 80309  
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