

## **CURRICULUM VITAE**

(September, 2009)

### **PERSONAL DATA**

Name: Ramesh S. Bhatt

Nationality: U.S. Citizen

Current Position: Professor, University of Kentucky

Address: Department of Psychology  
University of Kentucky  
012C Kastle Hall  
Lexington, KY 40506-0044  
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### **EDUCATION**

1988 Ph.D., University of Iowa: Psychology

1986 M.A., University of Iowa: Psychology

1982 Post-Graduate Diploma in Management, Indian Institute of Management at Bangalore, India

1979 B.Sc., University of Madras, India: Mathematics

### **PROFESSIONAL POSITIONS**

2007- Professor, Department of Psychology, University of Kentucky

2000-2007 Associate Professor, Department of Psychology, University of Kentucky

1994-2000 Assistant Professor, Department of Psychology, University of Kentucky

1990-1994 Research Associate, Department of Psychology, Rutgers University

1988-1990 Postdoctoral Fellow, University of Texas Health Science Center at Houston

1983-1987 University of Iowa Graduate Fellow

### **PROFESSIONAL ORGANIZATIONS**

Association for Psychological Science

American Psychological Association

International Society of Infant Studies

Midwestern Psychological Association

Psychonomic Society

Society for Research on Child Development

### **AWARDS AND HONORS**

Fellow, Association for Psychological Science

National Science Foundation Early CAREER Award

National Eye Institute Postdoctoral Training Grant

Don Lewis Dissertation Year Award

University of Iowa Teaching-Research Fellowship

Collegiate Associations Council Research Award

Bombay Natural History Society Research Award

**RESEARCH SUPPORT**

- Development of perceptual organization in infancy: National Institute of Child Health and Human Development (PI). University of Kentucky, 2003-2008. \$1,113,576.
- Functional neuroanatomy of developmental changes in face processing: National Institutes of Child Health and Human Development ( Co-I; PI: Jane Joseph). University of Kentucky, 2007-2012. \$1,532,774.
- A comparative developmental connectivity study of face processing: National Institute of Mental Health (Co-I; PI: Jane Joseph). University of Kentucky, 2009-2014. \$1,592,480.
- A comparative fMRI study of evolutionary precursors to written language: National Science Foundation (Co-I; PI: Jane Joseph). University of Kentucky, 2002-2006. \$665,386.
- Developmental fMRI study: Face and object recognition. National Institute of Mental Health (NRSA. Co-supervisor: Ann Gathers), 2003-2005. \$27,881.
- Visual perception and memory in infancy: National Science Foundation Early CAREER award (PI). University of Kentucky, 1996-2000. \$382,753.
- Learning and memory in preterm infants: Interdisciplinary Human Development Institute Research Award. University of Kentucky, 1996.
- Perception of and memory for relational information in early infancy: Research Committee Grant. University of Kentucky, 1995.
- Learning and memory in infants: Summer Faculty Research Fellowship. University of Kentucky, 1995.
- Memory and conceptual behavior in primates and avians: National Institute of Mental Health Individual Postdoctoral Fellowship. University of Texas, 1988-1990.
- Categorization in pigeons: Sigma Xi Grant-in Aid of Research. University of Iowa, 1986.

**CONSULTING EDITOR**

*Journal of Experimental Child Psychology*

*Child Development*

*Learning and Behavior*

**AD HOC REVIEWER**

*Advances in Infancy Research*

*Behavioral Brain Research*

*British Journal of Developmental Psychology*

*Child Development*

*Developmental Psychology*

*Developmental Psychobiology*

*Developmental Science*

*European Journal of Developmental Psychology*

*Infancy*

*Infant Behavior and Development*

*Infant and Child Development*

*Journal of Experimental Child Psychology*

*Journal of Experimental Psychology: Animal Behavior Processes*

*Journal of Experimental Psychology: Learning, Memory and Cognition*

*Journal of Experimental Psychology: General*

*Journal of Nonverbal Behavior*  
*Learning and Behavior*  
*Memory and Cognition*  
*Perception*  
*Perception and Psychophysics*  
*Progress in Infancy Research*  
*Psychological Science*  
*Psychological Review*  
*Vision Research*

- National Science Foundation ad hoc reviewer (1996- )
- I also reviewed papers submitted to the Conference on Human Development (1996) and the meetings of the Society for Research in Human Development (1999, 2001).

### **GRANT REVIEW PANEL**

National Science Foundation (2002-2005)

### **PUBLICATIONS** (\* denotes undergraduate, graduate, or post-doctoral student)

- Quinn, P. C., & Bhatt, R. S. (2009). Transfer and scaffolding of perceptual grouping occurs across organizing principles in 3- to 7-month-old infants. *Psychological Science*, 20, 933-938.
- Hayden, A.\*, Bhatt, R. S., Zieber, N.\*, & Kangas, A.\* (2009). Race-based perceptual asymmetries underlying face processing in infancy. *Psychonomic Bulletin and Review*, 16, 270-275.
- Quinn, P. C., & Bhatt, R. S. (2009). Perceptual organization in infancy: Bottom-up and top-down influences. *Optometry and Vision Science*, 86, 589-594. Special Issue on infant/child vision research: Present status and future directions.
- Hayden, A.\*, Bhatt, R. S., & Quinn, P. C. (2009). Relations between uniform connectedness, luminance, and shape similarity as perceptual organizational cues in infancy. *Attention, Perception, & Psychophysics*, 71, 52-63.
- Hayden, A.\*, Bhatt, R. S., & Quinn, P. C. (2008). Perceptual organization based on illusory regions in infancy. *Psychonomic Bulletin and Review*, 15, 443-447.
- Quinn, P. C., Bhatt, R. S., & Hayden, A.\* (2008). Young infants readily use proximity to organize visual pattern information. *Acta Psychologica*, 127, 289-298.
- Quinn, P. C., Bhatt, R. S., & Hayden, A.\* (2008). What goes with what? Development of perceptual grouping in infancy. In B. H. Ross (Ed.), *Psychology of Learning and Motivation*, Vol. 49 (pp. 105-146). San Diego: Elsevier.
- Hayden, A.\*, Bhatt, R. S., Reed, A.\*, Corbly, C. R.\*, & Joseph, J. E. (2007). The development of expert face processing: Are infants sensitive to normal differences in second-order relational information? *Journal of Experimental Child Psychology*, 97, 85-98.

- Hayden, A.\*, Bhatt, R. S., Joseph, J. E., & Tanaka, J. W. (2007). The other-race effect in infancy: Evidence using a morphing technique. *Infancy, 12*, 95-104.
- Bhatt, R. S., Hayden, A.\*, & Quinn, P. C. (2007). Perceptual organization based on common region in infancy. *Infancy, 12*, 147-168.
- Joseph, J. E., Gathers, A. D. \*, Liu, X. \*, Corbly, C. R. \*, Whitaker, S. K. \*, & Bhatt, R. S. (2006). Neural developmental changes in processing inverted faces. *Cognitive, Affective, and Behavioral Neuroscience, 6*, 223-235.
- Bhatt, R. S., Hayden, A.\*, Reed, A.\*, Bertin, E., & Joseph, J. E. (2006). Infants' perception of information along object boundaries: concavities versus convexities. *Journal of Experimental Child Psychology, 94*, 91-113.
- Hayden, A.\*, Bhatt, R. S., & Quinn, P. C. (2006). Infants' sensitivity to uniform connectedness as a cue for perceptual organization. *Psychonomic Bulletin and Review, 13*, 257-261.
- Quinn, P. C., & Bhatt, R. S. (2006). Are some Gestalt principles deployed more readily than others during early development? The case of lightness versus form similarity. *Journal of Experimental Psychology: Human Perception and Performance, 32*, 1221-1230.
- Joseph, J. E., Powell, D. K., Anderson, A. H., Bhatt, R. S., Dunlap, M., Foldes, S., Forman, E., Hardy, P. A., Steinmetz, N. A., Zhang, Z. (2006). fMRI in alert, behaving monkeys: An adaptation of the human infant familiarization novelty preference procedure. *Journal of Neuroscience Methods, 157*, 10-24.
- Bertin, E.\*, & Bhatt, R. S. (2006). Three-month-old infants' sensitivity to orientation cues in the 3-D depth plane. *Journal of Experimental Child Psychology, 93*, 45-62.
- Bhatt, R. S., Bertin, E.\*, Hayden, A.\*, & Reed, A.\* (2005). Face processing in infancy: Developmental changes in the use of different kinds of relational information. *Child Development, 76*, 169-181.
- Quinn, P. C., & Bhatt, R. S. (2005). Good continuation affects discrimination of visual pattern information in young infants. *Perception and Psychophysics, 67*, 1171-1176.
- Quinn, P. C., & Bhatt, R. S. (2005). Learning perceptual organization in infancy. *Psychological Science, 16*, 511-515.
- Klein, E. D.\*, Bhatt, R. S., & Zentall, T. R. (2005). Contrast and the justification of effort. *Psychonomic Bulletin & Review, 12*, 335-339.
- Bertin, E.\*, & Bhatt, R. S. (2004). The Thatcher illusion and face processing in infancy. *Developmental Science, 7*, 431-436.
- Gathers, A. D.\*, Bhatt, R. S., Corbly, C. R.\*, Farley, A. B.\*, & Joseph, J. E. (2004). Developmental shifts in cortical loci for face and object recognition. *NeuroReport, 15*, 1549-1553.
- Bhatt, R. S., Wilk, A.\*, Hill, D., & Rovee-Collier, C. (2004). Correlated attributes and categorization in the first half-year of life. *Developmental Psychobiology, 44*, 103-115.

- Quinn, P. C., Bhatt, R. S., Brush, D.\*, Grimes, A.\*, & Sharpnack, H.\* (2002). Development of the use of form similarity as a Gestalt grouping principle in 3- to 7-month-old infants. *Psychological Science, 13*, 320-328.
- Zentall, T. R., Clement, T. S.\*, Bhatt, R. S., & Allen, J.\* (2001). Episodic-like memory in pigeons. *Psychonomic Bulletin & Review, 8*, 685-690.
- Bhatt, R. S., & Bertin, E.\* (2001). Pictorial cues and three-dimensional information processing in early infancy. *Journal of Experimental Child Psychology, 80*, 315-332.
- Bertin, E.\*, & Bhatt, R. S. (2001). Figural goodness, stimulus heterogeneity, similarity, and object segregation in infancy. *Developmental Science, 4*, 423-432.
- Bertin, E.\*, & Bhatt, R. S. (2001). Dissociations between featural versus conjunction-based texture processing in infancy: Analyses of three potential contributing factors. *Journal of Experimental Child Psychology, 78*, 291-311.
- Quinn, P. C., & Bhatt, R. S. (2001). Object recognition and segregation in infancy: Historical perspective, theoretical significance, kinds of knowledge, and relation to object categorization. *Journal of Experimental Child Psychology, 78*, 25-34.
- Bhatt, R. S., Bertin, E.\*, & Gilbert, J.\* (1999). Discrepancy detection and developmental changes in attentional engagement in infancy. *Infant Behavior and Development, 22*, 197-219.
- Bhatt, R. S., & Waters, S. E.\* (1998). Perception of three-dimensional cues in early infancy. *Journal of Experimental Child Psychology, 70*, 207-224.
- Quinn, P., & Bhatt, R. S. (1998). Visual pop-out in infancy: Convergent evidence and an extension. *Infant Behavior and Development, 21*, 273-288.
- Hartshorn, K.\*, Rovee-Collier, C., Gerhardstein, P.\*, Bhatt, R. S., Klein, P.\*, Aaron, F.\*, Wondoloski, T.\*, & Wurtzel, N.\* (1998). Developmental changes in the specificity of memory over the first year of life. *Developmental Psychobiology, 33*, 61-78.
- Hartshorn, K.\*, Rovee-Collier, C., Gerhardstein, P.\*, Bhatt, R. S., Wondoloski, T. L.\*, Klein, P.\*, Gilch, J.\*, Wurtzel, N.\*, & Campos-de-Carvalho, M.\* (1998). The ontogeny of long-term memory over the first year-and-a-half of life. *Developmental Psychobiology, 32*, 69-89.
- Bhatt, R. S. (1997). The interface between perception and memory in infancy: Feature detection, visual pop-out effects, feature integration, and long-term memory in infancy. In C. Rovee-Collier, & L. P. Lipsitt (Eds.), *Advances in Infancy Research* (Vol. 11, pp. 143-191). Norwood, NJ: Ablex.
- Bhatt, R. S., & Rovee-Collier, C. (1997). Dissociation between features and feature relations in infant memory: Effects of memory load. *Journal of Experimental Child Psychology, 67*, 69-89.
- Bhatt, R. S., & Rovee-Collier, C. (1996). Infant's forgetting of correlated attributes and object recognition. *Child Development, 67*, 172-187.
- Rovee-Collier, C., Bhatt, R. S., & Chazin, C.\* (1996). Set size, novelty, and pop-out in infancy. *Journal of Experimental Psychology: Human Perception and Performance, 22*, 1178-1187.

- Earley, L. A.\*, Bhatt, R. S., & Rovee-Collier, C. (1995). Developmental changes in the contextual control of infant recognition. *Developmental Psychobiology*, 28, 27-43.
- Rovee-Collier, C., & Bhatt, R. S. (1995). Langzeitgedachtnis im sauglingsalter. In H.G. Petzold (Ed.), *Die Kraft Liebevoller Blicke* (Vol. 2, pp. 143-165). Paderborn, Germany: Jungfermann Verlag.
- Bhatt, R. S., & Rovee-Collier, C. (1994). Perception and 24-hour retention of feature relations in infancy. *Developmental Psychology*, 30, 142-150.
- Bhatt, R. S., Rovee-Collier, C., & Weiner, S.\* (1994). Developmental changes in the interface between perception and memory retrieval. *Developmental Psychology*, 30, 151-162.
- Bhatt, R. S., Rovee-Collier, C. & Shyi, C. -W.\* (1994). Global and local processing of incidental information and memory retrieval at 6 months. *Journal of Experimental Child Psychology*, 57, 141-162.
- Rovee-Collier, C., & Bhatt, R. S. (1993). Evidence of long-term memory in infancy. In R. Vasta (Ed.), *Annals of Child Development*, Vol. 9. (pp. 1-45). London: Jessica Kingsley Publishers, Ltd.
- Wasserman, E. A., & Bhatt, R. S. (1992). Conceptualization of natural and artificial stimuli in pigeons. In W. K. Honig, & J. G. Fetterman (Eds.), *Cognitive aspects of stimulus control* (pp. 203-223). Hillsdale, NJ: Erlbaum.
- Bhatt, R. S., & Wright, A. A. (1992). Concept learning by monkeys with video picture images and a touch screen. *Journal of the Experimental Analysis of Behavior*, 57, 219-225.
- Rovee-Collier, C., Hankins, E. M.\*, & Bhatt, R. S. (1992). Textons, visual pop-out effects, and object recognition in infancy. *Journal of Experimental Psychology: General*, 121, 436-446.
- Bhatt, R. S., & Wasserman, E. A. (1989). Secondary generalization and categorization in pigeons. *Journal of the Experimental Analysis of Behavior*, 52, 213-224.
- Wasserman, E. A. & Bhatt, R. S. (1989). Memory and concepts in pigeons. In N. W. Bond & A. T. Siddle (Eds.), *Proceedings of the XXIV international congress of psychology*, Vol. 6, *Psychobiology: Issues and applications* (pp. 87-94). North Holland: Elsevier.
- Wasserman, E. A., Kiedinger, R. E.\*, & Bhatt, R. S. (1988). Conceptual behavior in pigeons: Categories, subcategories, and pseudocategories. *Journal of Experimental Psychology: Animal Behavior Processes*, 14, 235-246.
- Bhatt, R. S., Wasserman, E. A., Reynolds, Jr., W. F.\*, & Knauss, K. S.\* (1988). Conceptual behavior in pigeons: Categorization of both familiar and novel examples from four classes of natural and artificial stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 14, 219-234.
- Wasserman, E. A., Bhatt, R. S., Chatlosh, D. L., & Kiedinger, R. E. (1987). Discrimination of and memory for value and dimension information in pigeons. *Learning and Motivation*, 18, 34-56.

Bhatt, R. S., & Wasserman, E. A. (1987). Choice behavior of pigeons on progressive and multiple schedules: A test of optimal foraging theory. *Journal of Experimental Psychology: Animal Behavior Processes*, *13*, 40-51.

### **PUBLISHED ABSTRACTS**

Joseph, J. E., Clark, J., Dekhtyar, O., Liu, X., Corbly, C., Gathers, A., & Bhatt, R. (2008). Emergence of right frontal connections for face processing across development: Resting-state and task related connectivity. Program No. 787.2. *2008 Neuroscience Meeting Planner*. Washington, DC: Society for Neuroscience 2008.

Clark, J. D., Dekhtyar, O., Liu, X., Gathers, A. D., Corbly, C. R., Bhatt, R., & Joseph, J. E. (2008). Emergence of right frontal connections for face processing across development: Comparison with object processing connectivity. Program No. 787.8. *2008 Neuroscience Meeting Planner*. Washington, DC: Society for Neuroscience 2008.

Johnson, N. F., Powell, D., Andersen, A., Bhatt, R., Bryant, R., Dunlap, M., Forman, E., Hardy, P., Steinmetz, N., Corbly, C., Foldes, S., Zhang, Z., Joseph, J. (2008). fMRI adaptation and change detection in the naïve non-human primate. Program No. 192.8. *2008 Neuroscience Meeting Planner*. Washington, DC: Society for Neuroscience 2008.

Joseph, J. E., Dekhtyar, O., Liu, X., Corbly, C. R., Bhatt, R. A., & Gathers, A. D. (2007). Functional brain development for face recognition involves a reduction in redundant pathways: Evidence from functional connectivity analyses. Program No. 866.8. *2007 Neuroscience Meeting Planner*. San Diego, CA: Society for Neuroscience 2007.

Joseph, J. E., Powell, D. K., Andersen, A. H., Bhatt, R. S., Dunlap, M. K., Foldes, S. T., Forman, E., Hardy, P. A., Steinmetz, N. A., Zhang, Z. (2005). fMRI of novelty detection in alert, behaviorally naïve Rhesus monkeys. *Journal of Cognitive Neuroscience: Supplement*, 104.

Joseph, J. E., Powell, D. K., Andersen, A. H., Bhatt, R. S., Dunlap, M. K., Foldes, S. T., Forman, E., Hardy, P. A., Steinmetz, N. A., Zhang, Z. (2005). fMRI adaptation in freely viewing monkeys correlates with behavioral adaptation. Program No.66.11. *2005 Abstract Viewer/Itinerary Planner*. Washington, D.C.: Society for Neuroscience. Online.

Gathers, A. D., Bhatt, R. S., & Joseph, J. E. (2004). Face and object processing across development: A structural similarity mechanism. *Journal of Cognitive Neuroscience: Supplement*, 126.

Gathers, A. D., Bhatt, R. S., Corbly, C. R., Farley, A. B., Joseph, J. E. (2004). A developmental fMRI investigation of the neural correlates of object and face recognition. *NeuroImage*, *22* (Supplement 1), e971-e972.

Gathers, A. D., Bhatt, R. S., Corbly, C. R., Liu, X., & Joseph, J. E. (2004). Developmental changes in neural correlates for upright and inverted faces. Program No. 481.10. *2004 Abstract Viewer/Itinerary Planner*. Washington, DC: Society for Neuroscience.

**INVITED PRESENTATIONS**

Bhatt, R. S., Hayden, A., Graves, T., & Bertin, E. (April, 2007). *Infants' sensitivity to configural information in faces*. Symposium presentation at the meeting of the Society for Research in Child Development, Boston, MA.

Bhatt, R. S. (2005). *The development of face processing expertise in infancy*. Eastern Kentucky University, Richmond, Kentucky.

Bhatt, R. S. (2003). *Object perception in infancy*. Presented at the meeting of the Midwestern Psychological Association, Chicago, Illinois.

Bhatt, R. S., Quinn, P. C., & Bertin, E. (2002). *The role of similarity in perceptual segregation and integration in infancy*. Symposium presentation at the International Conference on Infant Studies, Toronto, Canada.

Bhatt, R. S. (1999). *Attentional engagement and object perception in infancy*. University of Louisville, Kentucky.

Bhatt, R. S. (1998). *Memory in infancy*. Presented at the meeting of the Kentucky Psychological Association, Louisville, Kentucky.

Bhatt, R. S. (1996). *Learning and memory in infancy*. Department of Pediatrics, College of Medicine, University of Kentucky, Lexington, Kentucky.

Bhatt, R. S. (1993). *Context effects in infant long-term memory*. Presented at the meeting of the Society for Research in Child Development, New Orleans, LA.

Bhatt, R. S. (1992). *The interface between memory and perception*. Presented at the International Conference on Infant Studies, Miami, Florida.

Bhatt, R. S. (1989). *Categorization in pigeons*. Rice University, Texas

Bhatt, R. S. (1989). *Conceptual behavior in pigeons*. University of Texas at Austin, Texas.

Wasserman, E. A., & Bhatt, R. S. (1988). *Memory and concepts in pigeons*. Presented at the International Congress of Psychology, Sydney, Australia.

**PRESENTATIONS IN PROFESSIONAL MEETINGS**

Zieber, N., Bhatt, R. S., & Hayden, A. (April, 2009). *Body representation in the first year of life*. Presented at the meeting of the Society for Research in Child Development, Denver, Colorado.

Hayden, A., Zieber, N., & Bhatt, R. S. (April, 2009). *Race-based perceptual asymmetries underlying face processing in infancy*. Presented at the meeting of the Society for Research in Child Development, Denver, Colorado.

- Kangas, A., Bhatt, R. S., Hayden, A., & Quinn, P. C. (April, 2009). *Grouping of elements generalizes across Gestalt grouping principles: Evidence for a perceptual unitization process in infancy*. Presented at the meeting of the Society for Research in Child Development, Denver, Colorado.
- Bhatt, R. S., Hayden, A., Zieber, N., Kangas, A., & Joseph, J. E. (April, 2009). *Infants' attention to race, emotion, and gender information in faces*. Presented at the Face preconference of the meeting of the Society for Research on Child Development, Denver, Colorado.
- Bhatt, R. S., Hayden, A., & Kangas, A. (March, 2008). *The relation between configural and holistic processing in infancy*. Presented at the International Conference on Infant Studies, Vancouver, Canada.
- Hayden, A., & Bhatt, R. S. (March, 2008). *Parts, cavities and the development of object representation*. Presented at the International Conference on Infant Studies, Vancouver, Canada.
- Hayden, A., Zieber, N., & Bhatt, R. S. (March, 2008). *Infants' sensitivity to configural information in human male and monkey faces*. Presented at the International Conference on Infant Studies, Vancouver, Canada.
- Quinn, P. C., & Bhatt, R. S. (March, 2008). *Perceptual grouping transfers across organizing principles in 6-to 7-month-old infants*. Presented at the International Conference on Infant Studies, Vancouver, Canada.
- Hayden, A., Bhatt, R. S., & Joseph, J. E. (April, 2007). *The other-race effect in infancy: evidence using a morphing technique*. Presented at the meeting of the Society for Research in Child Development, Boston, Massachusetts.
- Hayden, A., Bhatt, R. S., & Quinn, P. C. (April, 2007). *Common region as a perceptual organizational principle in infancy*. Presented at the meeting of the Society for Research in Child Development, Boston, Massachusetts.
- Gathers, A. D., Bhatt, R. S., Corbly, C. R., Farley, A. B., & Joseph, J. E. (August, 2006). *Anatomical narrowing without categorical specialization: Developmental changes in brain activity during face and object processing in 5- to 11-year-olds and adults*. Presented at the meeting of the International Society for Developmental Neuroscience, Alberta, Canada.
- Bertin, E., & Bhatt, R. S. (June, 2006). *Five- and nine-month-olds' memory capacity for faces*. Presented at the International Conference on Infant Studies, Kyoto, Japan.
- Hayden, A., Bhatt, R. S., & Quinn, P. C. (November, 2005). *The development of sensitivity to common region as a perceptual organizational principle*. Presented at the meeting of the Psychonomic Society, Toronto, Canada.

- Reed, A., Hayden, A., & Bhatt, R. S. (April, 2005). *Expectancy-based behavior in infancy: Convergent evidence using a new procedure*. Presented at the meeting of the Society for Research in Child Development, Atlanta, Georgia.
- Hayden, A., Bhatt, R. S., & Quinn, P. C. (April, 2005). *Luminance but not shape similarity dominates uniform connectedness as a perceptual organizational cue in infancy*. Presented at the meeting of the Society for Research in Child Development, Atlanta, Georgia.
- Reed, A., Hayden, A., Bertin, E., & Bhatt, R. S. (April, 2005). *Face processing in infancy: Further evidence of sensitivity to second-order relational information*. Presented at the meeting of the Society for Research in Child Development, Atlanta, Georgia.
- Bhatt, R. S., & Bertin, E. (July, 2004). *The Thatcher illusion and face processing in infancy*. Presented at the conference of the International Society for the Study of Behavioral Development, Ghent, Belgium.
- Bertin, E., & Bhatt, R. S. (May, 2004). *Visual short-term memory capacity between 3 and 9 months of age*. Presented at the International Conference on Infant Studies, Chicago, Illinois.
- Bhatt, R. S., Bertin, E., & Hayden, A. (May, 2004). *Face processing in infancy: Developmental changes in the use of different kinds of relational information*. Presented at the International Conference on Infant Studies, Chicago, Illinois.
- Gathers, A. D., Bhatt, R. S., Corbly, C. R., Liu, X., & Joseph, J. E. (October, 2004). *Developmental changes in neural correlates for upright and inverted faces*. Presented at 34<sup>th</sup> Annual Conference of the Society For Neuroscience, San Diego, California.
- Gathers, A. D., Bhatt, R. S., & Joseph, J. E. (April, 2004). *Face and object processing across development: A structural similarity mechanism*. Presented at the meeting of the Cognitive Neuroscience Society, 11, Program No. D24. San Francisco, California.
- Gathers, A. D., Bhatt, R. S., Corbly, C. R., Farley, A. B., Foldes, S., & Joseph, J. E. (June, 2004). *A developmental fMRI investigation of the neural correlates of object and face recognition*. Presented at the meeting of the Organization for Human Brain Mapping Conference, Budapest, Hungary.
- Bhatt, R. S., & Bertin, E. (2003, November). *Developmental changes in face processing during the first half year of life*. Presented at the meeting of the Psychonomic Society, Vancouver, Canada.
- Bhatt, R. S., & Bertin, E. (2002, April). *Face processing in infancy: Evidence of sensitivity to second-order relational information*. Presented at the International Conference on Infant Studies, Toronto, Canada.
- Bertin, E., & Bhatt, R. S. (2002, April). *Three-month-olds' sensitivity to orientation cues in the 3-D depth plane*. Presented at the International Conference on Infant Studies, Toronto, Canada.

- Bhatt, R. S., Quinn, P. C., Chia, S., & Bertin, E. (2001, April). *The use of form similarity as a Gestalt organizing principle in infancy: Further evidence of a developmental change*. Presented at the meeting of the Society for Research in Child Development, Minneapolis, Minnesota.
- Bertin, E., & Bhatt, R. S. (2001, April). *Stimulus heterogeneity, similarity, and object segregation in infancy*. Presented at the meeting of the Society for Research in Child Development, Minneapolis, Minnesota.
- Bhatt, R. S., & Bertin, E. (2000, July). *Attentional engagement by 3-D cues in infancy*. Presented at the International Conference on Infant Studies, Brighton, United Kingdom.
- Quinn, P. C., & Bhatt, R. S. (2000, July). *Development of the use of form similarity as a Gestalt grouping principle in 3- to 7-month-old infants*. Presented at the International Conference on Infant Studies, Brighton, United Kingdom.
- Bertin, E., & Bhatt, R. S. (2000, July). *Differences in featural versus conjunction textural processing in infancy: A demonstration and a test of a similarity account of the differences*. Presented at the International Conference on Infant Studies, Brighton, United Kingdom.
- Bhatt, R. S., Tameika, T., & Bertin, E. (1999, November). *A similarity account of featural versus binding information differences in memory tasks*. Presented at the meeting of the Psychonomic Society, Los Angeles, CA.
- Bhatt, R. S. (1999, April). *Infants' sensitivity to 3-D orientation cues in static images*. Presented at the meeting of the Society for Research in Child Development, Albuquerque, New Mexico.
- Bertin, E., & Bhatt, R. S. (1999, April). *Developmental differences in attentional engagement in infancy*. Presented at the meeting of the Society for Research in Child Development, Albuquerque, New Mexico.
- Bhatt, R. S., Gilbert, J. L., Dutton, L. L., & Waters, S. E. (1998, April). *Infants' perception of 3-D information in static images*. Presented at the International Conference on Infant Studies, Atlanta, Georgia.
- Bertin, E., & Bhatt, R. S. (1998, April). *Infants' perception of textural changes induced by features and feature conjunctions*. Presented at the International Conference on Infant Studies, Atlanta, Georgia.
- Bhatt, R. S. (1997, November). *Children's memory development: The binding problem*. Presented at the meeting of the Psychonomic Society, Philadelphia, Pennsylvania.
- Waters, S. E., & Bhatt, R. S. (1997, May). *Three-dimensional form perception in early infancy*. Presented at the meeting of the Midwestern Psychological Association, Chicago, Illinois.

- Bhatt, R. S. (1997, April). *Determinants of memory modification in infancy: The strength of the interfering experience*. Presented at the meeting of the Society for Research in Child Development, Washington, D. C.
- Quinn, P. C., & Bhatt, R. S. (1996, April). *Convergent evidence for visual pop-out in young infants*. Presented at the International Conference on Infant Studies, Providence, Rhode Island
- Bhatt, R. S., Wilk, A. C., & Rovee-Collier, C. (1996, April). *Development of categorization based on feature relations*. Presented at the International Conference on Infant Studies, Providence, Rhode Island.
- Wilk, A. C., Bhatt, R. S., & Rovee-Collier, C. (1995, March). *Correlated attributes and categorization in infancy*. Presented at the meeting of the Society for Research in Child Development, Indianapolis, Indiana.
- Hartshorn, K., Rovee-Collier, C., & Bhatt, R. S. (1994, November). *Operant learning and retention of 6-month-olds*. Presented at the meeting of the International Society of Developmental Psychobiology, Islamorada, FL.
- Bhatt, R. S., & Rovee-Collier, C. (1994, June). *Delayed object recognition in infancy: Memory for features versus feature relations*. Presented at the International Conference on Infant Studies, Paris, France.
- Hartshorn, K. M., Ghumman, M., Bhatt, R. S., & Rovee-Collier, C. (1994, April). *Continuities in memory development over the first year of life*. Presented at the meeting of the Eastern Psychological Association, Providence, RI.
- Bhatt, R. S., Earley, L. A., & Rovee-Collier, C. (1993, November). *Perceptual changes in the contextual control of infant recognition*. Presented at the meeting of the International Society of Developmental Psychobiology, Alexandria, VI.
- Campos-de-Carvalho, M., Bhatt, R. S., Wondoloski, T., Klein, P., & Rovee-Collier, C. (1993, July). *Learning and memory at nine months*. Presented at the meeting of the International Society for the Study of Behavioural Development, Recife, Brazil.
- Bhatt, R. S. (1993, March). *Features and feature relations in infant memory*. Presented at the meeting of the Society for Research in Child Development, New Orleans, LA.
- Bhatt, R. S. (1992, October). *Feature correlations and delayed object recognition in infancy*. Presented at the meeting of the International Society of Developmental Psychobiology, Newport Beach, CA.
- Bhatt, R. S., & Rovee-Collier, C. (1991, November). *Perception of feature relations by 3-month-old infants*. Presented at the meeting of the International Society of Developmental Psychobiology, New Orleans, LA.

- Hankins, E. M., Bhatt, R. S., & Rovee-Collier, C. (1991, November). *Perceptual primitives and memory retrieval in infancy*. Presented at the meeting of the International Society of Developmental Psychobiology, New Orleans, LA.
- Bhatt, R. S., Weiner, S., Hankins, E. M., & Rovee-Collier, C. (1991, June). *Visual pop-out effects in early infancy*. Presented at the meeting of the American Psychological Society, Washington, D.C.
- Weiner, S., & Bhatt, R. S. (1991, April). *Texton discrimination and memory retrieval in 6-month-old infants*. Presented at the meeting of the Eastern Psychological Association, New York, NY.
- Wasserman, E. A., Tassinary, L. G., Bhatt, R. S., & Sayasenh, P. (1989, November). *Pigeons discriminate emotion and identify from photographs of the human face*. Presented at the meeting of the Psychonomic Society, Atlanta, GA.
- Bhatt, R. S., & Wasserman, E. A. (1989, May). *Selective attention, secondary generalization, and categorization in pigeons*. Presented at the meeting of the Midwestern Psychological Association, Chicago, IL.
- Bhatt, R. S., & Wasserman, E. A. (1988, November). *Effects of category size on categorization learning and generalization in pigeons*. Presented at the meeting of the Psychonomic Society, Chicago, IL.
- Bhatt, R. S., & Wasserman, E. A. (1987, November). *Acquisition and generalization of a four-category discrimination by pigeons*. Presented at the meeting of the Psychonomic Society, Seattle, WA.
- Wasserman, E. A., Hussar, K. A., & Bhatt, R. S. (1985, November). *Disentangling effects of delay of reinforcement from rate of reinforcement*. Presented at the meeting of the Psychonomic Society, Boston, MA.
- Wasserman, E. A., Bhatt, R. S., Neunaber, D. J., Chatlosh, D. L., & Dorfman, D. D. (1984, November). *Relative contiguity: Toward a time-based theory of operant behavior*. Presented at the meeting of the Psychonomic Society, San Antonio, TX.

## TEACHING

### **COURSES TAUGHT**

#### Undergraduate Courses:

Developmental Psychology--Univ. of Kentucky  
 Advanced Topics in Dev. Psych.: Early Cognitive Development --Univ. of Kentucky  
 Research Methods in Developmental Psychology--Univ. of Kentucky  
 Processes of Psychological Development--Univ. of Kentucky  
 Infant and Child Development--Rutgers Univ.  
 Introduction to Comparative Psychology--Univ. of Iowa  
 Experimental Psychology II: Human Learning & Memory (Lab. course)--Univ. of Iowa  
 Evaluation of Psychological Research--Graduate teaching assistantship--Univ. of Iowa  
 Introduction to Statistics in Psychology--Graduate teaching assistantship--Univ. of Iowa

#### Graduate Courses:

Topical Seminar in Psychology: Perceptual/Cognitive Development--Univ. of Kentucky  
 Proseminar in Sensation and Perception (Co-taught with Dr. Carswell)--Univ. of Kentucky  
 Advanced Seminar: Human Learning and Memory (Co-taught with Dr. Wright)--Univ. of Texas

### **PH.D. THESES SUPERVISION**

#### Chair and Co-Chair

- Angela Hayden (2008-). The Role of Racial Information in Infant Face Processing
- Evelin Bertin (2001-2003). Visual short-term memory capacity in infancy: Retention of object feature and conjunction information.
- Elliott Inman (1996-1997). Intrusions and omissions: Learning to classify errors.

#### Committee member

- Tameika Turner
- Emily Klein
- Kelly DiGian
- Andrea Friedrich
- Rebecca Singer
- Ann Gathers (Anatomy & Neurobiology)
- Derek Mace
- Dorothy Marsil
- Brigitte Dorrance
- Darren Kaiser
- Russell Brown
- Sandy Segó
- Derek Campbell
- Karen Roper
- Lou Sherbourne

**PH.D. QUALIFYING EXAM COMMITTEE**

- Angela Hayden (Chair)
- Evelin Bertin (Chair)
- Andrea Reed (Chair)
- Jonathan Clark (Anatomy & Neurobiology)
- Holly Miller
- Rebecca Reeves
- Rebecca Singer
- Ann Gathers (Anatomy & Neurobiology)
- Emily Klein
- Kelly DiGian
- Andrea Friedrich
- Derek Mace
- Tricia Clement
- Susan Waters
- Janice Weaver
- Brigette Cook
- Russell Brown
- Darren Kaiser
- Andrea Lonon
- Derek Campbell

**M.A. THESES SUPERVISION**Chair

- Nicole Zieber (2007-2009 ). Body representation during the first year of life.
- Ashley Kangas (2007-2009). Perceptual learning and face processing in infancy.
- Angela Hayden (2005-2006). Do infants process second-order relational information in faces?
- Tameika Turner (1998-1999). Life-span memory development: The binding problem.
- Susan Waters (1996-1997). Infants' perception of feature relations.

Committee Member:

- Jessica Stagner
- Joann Lianekhammy
- Cassandra Gibson
- Holly Miller
- Rebecca Singer
- Emily Klein
- Andrea Friedrich
- Benjamin Abrams
- Tricia Clement
- Carl Stevens
- Emily Neiman
- Brigette Cook

- Scott Kinslow
- Scott Johnston
- Evelin Bertin (Special Education)

#### **GRADUATE STUDENT RESEARCH SUPERVISION**

- Nicole Zieber (2007- )
- Ashley Kangas (2007-)
- Angela Hayden (2004-)
- Andrea Reed (2003-2006)
- Eric Steiner (2003)
- Emily Klein (2002-2004)
- Evelin Bertin (1997-2003)
- Tameika Turner (1997-2002)
- Elliott Inman (1996-1997)
- Susan Waters (1995-1998)
- Annette Hatcher (1995-1996)

#### **UNDERGRADUATE HONORS THESES SUPERVISION**

- Jamie Rogers (2008-2009). Differences in the processing of relational information in own-race versus other-race faces in infancy.
- Tabitha Graves (2006-2007). The role of configural information in the development of body representation.
- Miranda Briscoe (2005-2006). The development of body representation in infancy.
- Julie Riehm (1999-2000). Mechanisms underlying developmental differences in attentional engagement.
- Sue-Ann Chia (1999-2000). Development of the use of form similarity as a Gestalt grouping principle in infancy.
- Jaime Gilbert (1997-1998). Developmental changes in attentional engagement in infancy.
- Laura Dutton (1997-1998). Parallel processing of information in infancy.
- Rhonda Powell (1996-1997). Complex memories and feature binding in children and adults.

#### **UNDERGRADUATE STUDENT RESEARCH SUPERVISION**

- Heather Young (2008- )
- Whitney Gore (2007-2008)
- Amanda Pike (2007)
- Allison Gray (2006-2007)
- Tabitha Ann Graves (2005- 2007)
- Bobbi Joe Mullins (2006- 2007)
- Alisa Oerther (2005)
- Miranda Briscoe (2004-2006)
- Michelle Davis (2004)
- Jessica Pinkston (2003)
- Angela Hayden (2003)
- Ashley Scheiderer (2002-2003)

- Jennifer Glenn (2000-2001)
- Molly Black (2000)
- Ronnetta Williams (2000-2001)
- Jameika Dooley (1999)
- Julie Riehm (1999)
- Erin May (1999)
- Emily Popp (1998-1999)
- Tonya Sartin (1998-1999)
- Sue-Ann Chia (1998-1999)
- Jaime Gilbert (1996-1998)
- Lacey Mason (1998)
- Stephanie Dotson (1998)
- Jamie Duncan (1998)
- Sarah Fischer (1998)
- Meredith Deans (1997)
- Elizabeth Freeland (1997)
- Jennifer Hamrick (1996)
- Jan Taylor (1996-1997)
- Jayne Manseill (1995-1996)
- Myja Rhule (1995-1996)
- Julie Matayoke (1998-undergraduate experiential education supervision)

#### **HIGH SCHOOL STUDENT RESEARCH SUPERVISION**

- Emily Mitchell (2002-2003)
- Moira Hart (2001-2002)
- Janelle Merritt (1999)
- Michelle Merritt (1998)
- Kisha Dicks (1997)

## **SERVICE**

### Departmental Committee Service

Faculty Search Committee (Chair: 2000-2001)  
Graduate Student Advisory Committee (1995-1996, 1998-1999)  
Computing Advisory Committee (Member: 1995-1996, Chair: 1996-1997, 1997-1998)  
Cognitive, Neural, and Developmental Studies Recruitment Committee (Chair: 1997-1999)  
Clinical Faculty Search Committee (1996-1997)  
Colloquium Committee (1994-1995, 2000-2001)  
Curriculum Committee (2002- )  
Psychology Chair Search Committee (2006)

### University Committee Service

Social Science Computing Advisory Committee (1997-1999)  
University of Kentucky Undergraduate Research Program Advisory Board (1999-2002)  
University Faculty Senate (2006-2008)