

Mark S. Strauss, Ph.D.

Personal Information:

Work Address: Department of Psychology
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Education:

1978 Ph.D. in Psychology
University of Illinois, Champaign, IL
Advisor: Leslie B. Cohen

1972 M.A. in Psychology
Case Western Reserve University, Cleveland, Oh
Advisors: Robert Fantz & Joseph Fagan
(concurrent with B.A.)

1972 B.A. in Psychology
Case Western Reserve University, Cleveland, Oh

Professional Experience

1999-2001 Chairperson, Developmental Psychology Program
1982-1986 University of Pittsburgh

1986-1999 Founder and Associate Director
[Office of Child Development](#)
University of Pittsburgh

1988-1992 Chairperson, Department of Psychology
University of Pittsburgh

1984	Associate Professor with Tenure Department of Psychology University of Pittsburgh
2000, 1998 1992	Visiting Instructor, Department of Psychology Carnegie-Mellon University
1978-1984	Assistant Professor, Department of Psychology University of Pittsburgh
1972-1975	Lieutenant, Medical Service Corps United States Navy Submarine Medical Research Laboratory, Groton, CT

Honors and Awards

2006	Elected by Students as an <i>Honorary Faculty Member</i> Golden Key International Honour Society
2005	Chancellor's Distinguished Teaching Award University of Pittsburgh (University's Highest Honor for Teaching)
1989	Distinguished Contribution Award American Psychological Society

Media Experience

Consultant, *KDKA-T.V.*, "For Kids Sake Project" Helped create over 40, thirty second pieces that aired between programming.

Consultant, *Westinghouse T.V.*: The Discovery Year (Nationally distributed program hosted by Christopher Reeve)

Consultant, CBS: "Cobbs Law" (Made for T.V. Movie with Walter Matthau and Art Carney)

Consultant, *Life Magazine*: Cover story on infant development

Representative Guest Appearances:

Walter Cronkite Universe Show (interview with Charles Osgood)
NBC: Today Show (several appearances)

NBC: Today Show (interview with Katie Couric)
KDKA: Pittsburgh 2-day Show
KTCA News (Minneapolis)
WQEX: Parent Talk
WQED: The Editors
WPXI News
WTAE News

Representative Professional Activities

Grant Review Panels:

National Science Foundation, National Institutes of Health, U.S. Department of Education, Autism Speaks Foundation

Community Boards:

2008-present: Chairperson, Autism Speaks of Western Pennsylvania
1995-present: Education Committee, Pittsburgh Children's Museum
1994-1998: Evaluation Committee, United Way of Pittsburgh

University Committees:

Member, Council on Aging, Pitt Institute on Aging
Member, Committee to review Graduate School of Public Health
Chairperson, Senate Student Affairs Committee
Member, Provost Budget and Planning Committee
Board Member, University Center for Urban and Social Research
Member, Board of Trustee Budgetary Advisory Committee
Member, Honor's College Development Committee

Teaching Experience

Undergraduate courses routinely taught:

Introductory Psychology, Developmental Psychology, Infant Development
Applied Issues of Children and Families, Graduate Developmental Research and Theory, Freshman Studies

Recent Ph.D. Students:

Joyce Giovannelli (2006): Childrens Advantage
Lisa Newell (2004): Indiana University of Pennsylvania
Rachel Chung (2002): Carlow College
Clayton Mash (1999): National Institutes of Health
Amy Booth (1998): Northwestern University

Grants Received

2010-2011 Autism Science Foundation, Predoctoral Fellowship

2008-2010 Autism Speaks, Predoctoral Fellowship Support, P.I. (\$62,000)

2007-2012 NICHD (P50): Biological and Information Processing Mechanisms Underlying autism

Project I (P.I.): Categorization and perceptual knowledge: Its origins and development in high and low function individual with autism (\$1.5 million)

Project II (Co-I.): Disturbances of affective contact: Development of brain mechanisms for emotion processing. (Kevin Pelphrey, P.I.)

2005-2007 National Alliance for Autism Research, Predoctoral Fellowship Support, P.I. (\$50,000)

2002-2007 NICHD Collaborative Program of Excellence in Autism

Project I: Categorization and the abstraction of concepts in individuals with autism, P.I. (664,000)

1996-2001 U.S. Department of Education, Urban Community Service Program, co-P.I. (\$1.7 million)

1993-1996 U.S. Department of Education, Pittsburgh Urban Community Service Program, co-P.I. (\$1.5 million)

1992-1995 Heinz Endowment, Support for the Office of Child Development, co-P.I. (\$600,000)

1989-1992 Heinz Endowment, Support for the Office of Child Development, co-P.I. (\$525,000)

1992-1997 U.S. Office of Human Development Services, Training grant in Public Child Welfare, P.I. (\$750,000)

1990-1991 U.S. Office of Human Development Services, Subcontract for training on child abuse and neglect, Mary Carasco, M.D., P.I. (\$25,000)

1987-1990 National Center on Child Abuse and Neglect, U.S. Office of Human Development Services, U.S. Department of Health and Human Services, Interdisciplinary Training Grant on Child Abuse and Neglect. P.I., (\$460,000).

1986-1988 Heinz Endowment, Establishment and support of the "Office of Child Development, P.I., (270,000)

- 1986-1989 The Buhl Foundation, Establishment and support of the "Office of Child Development, P.I. (\$140,000)
- 1985-1988 U.S. Department of Education, Interdisciplinary training for Developmental Psychology Specialists for Handicapped Children, P.I., (&267,000)
- 1984-1987 National Science Foundation, Development of Numerical Concepts in Infants P.I., (240,000)
- 1984 The Pittsburgh Foundation, Sponsor of conference on "Child Development and the Media, P.I. (\$10,000)
- 1984 Maurice Falk Foundation, Sponsor of conference on "Child Development and the Media, P.I. (\$5,000)
- 1981 The Buhl Foundation, Visual Acuity Assessment of Severely Handicapped Infants and Children, P.I. (\$70,000)

Publications

- Cornell, E. H., & Strauss, M. S. (1973). Infants' responsiveness to compounds of habituated visual stimuli. *Developmental Psychology*, 9, 73-78.
- Kinney, J., Luria, S., & Strauss, M. S. (1974). Visual evoked During Saturated Diving *Aerospace Medicine*, 45, 1017-1025.
- Kinney, J., Luria, S., Strauss, M. S., McKay, C., & Paulson, H. (1974). *Shallow habitat air dive series (Shad l and 2): The effects on visual performance and physiology. Naval Submarine Medical Research Laboratory, Report 793.*
- Luria, S., Paulson, H., Kinney, J., McKay, C., Strauss, M. S., & Ryan, A. (1975). The effects of common therapeutic drugs on vision. *Naval Submarine Medical Research Laboratory, Report 808.*
- Luria, S., & Strauss, M. S. (1975). Eye movements during search for coded and uncoded targets. *Perception and Psychophysics*, 17, 303-308.
- McKay, C., Strauss, M. S., Kinney, J., & Luria, S. (1977). Visual evoked responses, EEG's, and reaction time during normoxic saturation dive, *NISAT Undersea Biomedical Research*, 4, 131-145.
- Luria, S., & Strauss, M. S. (1978). Comparison of eye movements over faces in photographic positives and negatives. *Perception*, 1, 349-358.
- Cohen, L. B., DeLoache, J., & Strauss, M. S. (1979). Infant Visual Perception. In J. Osofsky

(Ed.), *Handbook of Infancy*. New York: John Wiley.

DeLoache, J., Strauss, M. S., & Maynard, J. (1979). Picture perception in infancy. *Infant Behavior and Development*, 2, 77-89.

Strauss, M. S. (1979). The abstraction of prototypical information by adults and 10-monthold infants. *Journal of Experimental Psychology: Human Learning and Memory*, 50, 618-632.

Carter, P., & Strauss, M. S. (1981). Habituation is not enough, but it's not a bad start: A reply to Sophian. *Merrill-Palmer Quarterly*, 27, 333-337.

Strauss, M. S., & Curtis, L. E. (1981). Infant perception of numerosity. *Child Development*, 52(1146-1152).

Strauss, M. S., & Johnson, C. N. (1982). Academic Perspectives: Applying research, teaching research and pursuing a career. *Child Care Quarterly*, 11, 55-66.

Kail, R. B., & Strauss, M. S. (1984). Child Development Research: An historical perspective. In R. Kail & N. Spear (Eds.), *Comparative approaches to the study of memory development*. Hillsdale, NJ: Erlbaum.

Olson, G. M., & Strauss, M. S. (1984). Theories of infant memory: Past, present, and future. In M. Moscovitch (Ed.), *Infant Memory: The Erindale Symposium on Cognition*. New York: Plenum Press.

Strauss, M. S., & Carter, P. (1984). Infant Memory development: Limitations and future directions of research. In R. Kail & N. Spear (Eds.), *Comparative approaches to the study of memory development*. Hillsdale, NJ: Erlbaum.

Strauss, M. S., & Curtis, L. E. (1984). The development of quantitative knowledge in infancy. In C. Sophian (Ed.), *The origins of cognitive skill*. Hillsdale, NJ: Erlbaum

Strauss, M. S., & Brownell, C. A. (1985). A commentary on infant stimulation programs. In M. Frank (Ed.), *Infant programs: Truths and untruths*. New York: Hayworth Press.

Brownell, C. A., & Strauss, M. S. (1984). Infant stimulation and development: Conceptual and empirical consideration. *Child Care Quarterly*, 17.

Brownell, C. A., & Strauss, M. S. (1985). Infant stimulation and development: Conceptual and empirical considerations. In M. Frank (Ed.), *Infant programs: Truths and Untruths*. New York: Plenum.

Lewis, P., & Strauss, M. S. (1986). Infant concept development. In G. Whitehurst (Ed.), *Annals of Child Development*. Storrs, CT: J.A.I. Press.

Sandstrom, D., & Strauss, M. S. (1986). Visual acuity, perception and memory in infants with

Interventricular Hemorrhaging. *Infant Behavior and Development, Special Issue, 6.*

McCall, R. B., Green, B.L., Strauss, M. S., & Groark, C. J. (1998). Issues in community-based research and program evaluation. In I. E. Siegel & K. A. Renninger (Eds.), *Handbook of Child Psychology* (5 ed., Vol. 4). New York: Wiley.

McCall, R. B., Green, B. L., Groark, C. J., Strauss, M. S., & Farber, A. E. (1999). An Interdisciplinary, University-Community, Applied Developmental Science Partnership. *Journal of Applied Developmental Psychology, 20.*

McCall, R. B., Groark, C. J., Strauss, M. S., & Johnson, C. N. (1997). An experiment in promoting interdisciplinary applied human development: The University of Pittsburgh model. *Journal of Applied Developmental Psychology, 16*, 609-628.

McCall, R. B., Groark, C. J., Strauss, M. S., & Johnson, C. N. (1998). Challenges of university-community outreach to traditional universities: The University of Pittsburgh Office of Child Development experience. In R. M. Lerner & L. A. K. Simon (Eds.), *University-Community Collaborations for the Twenty-First Century: Outreach Scholarship for Youth and Families*. New York: Garland.

McCall, R. B., Green, B.L., Groark, C.J., Strauss, M.S., & Farber, A.E. (1999). An Interdisciplinary, University-Community, Applied Developmental Science Partnership. *Journal of Applied Developmental Psychology, 20*, 207-226.

Gastgeb, H., Strauss, M.S., Minshew, N.J., (2006) Do individuals with autism process categories differently: The effect of typicality and development. *Child Development, 77*, 1717-1729.

Rump, K.M., Giovannelli, J.L., Minshew, N.J. & Strauss, M.S. (2009). The development of emotion recognition in individuals with autism, *Child Development, 80*, 1434-1447

Gastgeb, H., Rump, K. M., Best, C. A., Minshew, N. J., & Strauss, M. S. (2009). Prototype Formation in Autism: Can Individuals with Autism Abstract Facial Prototypes, *Autism Research, 2*, 232-236.

Newell, L.C., Best, C.A.B.; Gastgeb, H.; Rump, K.M. & Strauss, M.S. (in press). The development of categorization and facial knowledge: Implications for the study of autism, In: Lisa M. Oakes, Cara H. Cashon, Marianella Casasola, and David, H. Rakison (Eds), *Early Perceptual and Cognitive Development*, New York: Oxford Press.

Strauss, M.S., (in preparation), A Cognitive Developmental Approach to Autism: Understanding of Categorical Knowledge and Facial Information. In M. Just & K. Pelphrey, (Eds), *Development and Brain Systems in Autism*, New York, Taylor & Francis

Best, C. A., Minshew, N. J., & Strauss, M. S. (in press). Gender Discrimination of Eyes and Mouths by Individuals with Autism, *Autism Research*

Wilkinson, D., Best, C.A., Minshew, N.J. & Strauss, M.S.,(in press) Memory Awareness and Theory of Mind in Individuals with Autism, *Journal of Autism and Developmental Disabilities*.

Best, C.A., & Strauss, (under review), Development of a face space: Preschool children's memory for distinctive and typical faces., *Developmental Science*

Representative Invited Presentations

A Cognitive Developmental Approach to Autism: Understanding of Categorical Knowledge and Facial Information. Invited presentation at the 2008 Carnegie Symposium on Cognition, "The Cognitive Neuroscience of Autism, Pittsburgh, October 2008.

The development of categorization and facial knowledge: Implications for the study of autism. Invited presentation at the International Conference of Infant Studies, Vancouver, March 2008.

The abstraction of object and facial information by individuals with autism. (2004) Invited paper presented at the Meetings of the Collaborative for Excellence in Autism, Washington, D.C.

The abstraction of object and facial information by individuals with autism.(2004) Invited paper presented at the International Meetings for Autism Research, Sacramento, CA.

Categorization and facial knowledge in individuals with autism. Meetings of Society for Behavioral Pediatric, Pittsburgh, PA, 2003

Categorization and abstraction of facial and object concepts by typical infants and individuals with autism, Penn State University, 2002 Do infants count? The development of quantitative concepts in infancy. Michigan State University. 1998

The Ivory Towers of Academia: Is there a place for the community? Michigan State University. 1998

Do infants count? The development of quantitative concepts in infancy. Wayne State University. 1998

Teaching Evaluation to Human Service Agencies. Youngstown State University Conference on Evaluation. 1998

Forbes Foundation. Organizing Communities and Conducting Evaluations. Invited conference for funders and non-profit organizations. 1997

Carnegie-Mellon University. Mathematical concepts during infancy.
U.S. Department of Education, OERI, Invited participant to discuss Intraprofessional Education

for Comprehensive School Linked Services Leesburg, VA, 1995.

Cornell University. The development of quantitative knowledge. 1994 Cornell University. The ivory towers of academia: Is there a place for the community?, 1994

U.S. Department of Education. The Pittsburgh Program and Evaluation Project. Washington, D.C., 1994

Mercy Hospital. Exploring the Mind of the Infant Pittsburgh, 1994. Western Washington University. The mind of the infant. Bellingham, WA, 1993

University of South Carolina. The ivory towers of academia: Is there a place for the community. Columbia, SC 1992

Temple University, Interdisciplinary training in child abuse and neglect. Philadelphia, 1990. Pre-School Conference, What teachers should know about the pre-school child. Pittsburgh Schools Board of Education Conference on Pre-School Programs, Pittsburgh, 1988.

Western Pennsylvania School for the Blind, How to measure visual acuity in severely handicapped children. Bicentennial Celebration Conference, Pittsburgh, 1987. National Meetings of the National Association of Vision Program Consultants, Measuring visual acuity in severely handicapped children, New York, 1986.

Annual Conference on Cognition, The development of quantitative knowledge in infants. Carnegie-Mellon University, Pittsburgh, 1985.

University of Toronto (Erindale Conference), The development of infant memory, Toronto, 1984. Purdue University (Comparative Memory Symposium), What is the nature of pre-verbal memory, West Lafayette, IN, 1984.

University of Michigan (Human Performance Center), Infant Cognitive Development, Ann Arbor, Mi, 1984.

Three Rivers Conference on Pre-School Visually Handicapped Children, The development of visual acuity in infants, Pittsburgh, 1983.

Carnegie-Mellon University (Dept. of Psychology) The development of categorization skills in infants, Pittsburgh, 1983.

University of Houston (Dept. of Psychology), Infant conceptual development, Houston, 1982. Old Dominion University (Dept. of Psychology), Infant cognitive development, Norfolk, VA, 1981.

Case Western Reserve University (Dept. of Psychology), Infant ability to abstract prototypical categorical information, Cleveland, 1980.

Magee-Women's Hospital (Dept. of Pediatrics), Infant Mental Development, Pittsburgh, 1980.

Representative Recent Conference Papers and Posters

Strauss, M.S., Gastgeb, H., Chua, K.W., Green, S., Hannigan, S.F., & Wilkinson, D. (May, 2010) The abstraction of Prototypes by Infants at Low and High Risk for Autism. International Meetings for Autism Research, Philadelphia, PA.

Hannigan, S.F., Minshew, N.J., & Strauss, M.S. (May, 2010) Mothers' Affective Responses to High- and Low-Risk Infants During Face-to-Face Interaction: Effects of Infant Risk-Status and Age. International Meetings for Autism Research, Philadelphia, PA.

Hannigan, S.F. & Strauss, M.S. (March 2010) Smiling Behavior of Infants at Low and High Risk for Autism: Are High Risk Infants Less Attuned to Changes in Interactive Context? International Conference for Infant Studies, Baltimore, MD

Wilkinson, D., Minshew, N.J., & Strauss, M.S. (May 2009) Identification of distinctive faces in individuals with autism, Poster at the International Meetings for Autism Research, Chicago, IL

Gastgeb, H.Z., Dundas, E.M., Minshew, N.J. & Strauss, M.S., (May, 2009) Category Formation in Autism: Can Individuals with Autism Form Categories of Dot Patterns, Poster at the International Meetings for Autism Research, Chicago, IL

Best, C.A., Wilkinson, D., Minshew, N.J., & Strauss, M.S. (May, 2009) Ratings of facial attractiveness by high-functioning individuals with autism. Poster at the International Meetings for Autism Research, Chicago, IL

Hannigan, S.F., Best, C.A., Rump, K., Minshew, N.J. & Strauss, M.S. (May 2009), An eye-tracking study: The effect of task on visual attention to faces in autism. Poster at the International Meetings for Autism Research, Chicago, IL

Best, C.A., Dundas, E.M. & Strauss, M.S. (April 2009). Identifying gender information in morphed faces: An eye tracking study of individuals with autism. Poster at the Society for Research in Child Development, Denver, CO

Dundas, E.M., Gastgeb, H.Z., Best, C.A., & Strauss, M.S., (April 2009) Perceptual bias in face processing: An eye tracking study of individuals with autism. Poster at the Society for Research in Child Development, Denver, CO

Rump, K.M., Dundas, E.M., & Strauss, M.S. (April, 2009) Performance and process of emotion recognition in individuals with autism: A developmental perspective. Poster at the Society for Research in Child Development, Denver, CO

Wilkinson, D.A., Minshew, N.J., & Strauss, M.S. (April 2009). Facial processing in individuals with autism: A closer look at configural and featural processing. Poster at the Society for Research in Child Development, Denver, CO

Rump, K. Gastgeb, H. Minshew, N., & Strauss, M.S. (2007) Metacognitive monitoring in children and adults with autism: Examining self-awareness of knowledge. Poster at the International Meetings for Autism Research, Boston, MA

Wilkinson, D.A., Best, C.A., Minshew, N.J., Strauss, M.S., (2007) Metamemory in individuals with autism: Self-awareness of performance of facial recognition tasks. Poster at the International Meetings for Autism Research, Boston, MA

Best, C.A., Strauss, M.S., Newell, L.C., & Minshew, N.M. (2007) Memory for faces: A comparison of intentional vs. incidental paradigms. Poster at the International Meetings for Autism Research, Boston, MA

Gastgeb, H., Strauss, M., S., & Minshew, N. J. (June 2006). Do Individuals with Autism Process Categories Differently? The Effect of Typicality on the Development of Expertise. Poster session at the International Meeting for Autism Research, Montreal, Canada.

Rump, K.M., Strauss, M.S., & Minshew, N.J. (June, 2006). *The development of emotion recognition in individuals with autism: Are children more proficient than adults?* Poster accepted for presentation at the International Meeting for Autism Research, Montreal, Canada.

Best, C. A., Strauss, M. S., & Minshew, N. J. (June, 2006) Gender recognition of facial regions: How well do individuals with autism identify gender when shown eyes and mouths separately?

Gastgeb, H., Strauss, M.S., Rump, K.M., Best, C.A., Newell, L.C., Minshew, N.J.(2005) Do Individuals With Autism Process Categories Differently: The Effect of Typicality on Basic Level Object Categorization. Poster to be presented at the meetings of the Society for Research in Child Development, Atlanta, GA.

Best, C.A., Strauss, M.S., Newell, L.C., Gastgeb, H., Rump, K.M., Minshew, N.J., (2005)Memory Abilities of Children and Adults With Autism: Incidental Recognition of Distinctive Versus Typical Faces, Poster to be presented at the meetings of the Society for Research in Child Development, Atlanta, GA.

Strauss, M.S., Newell, L.C., Best, C.A., Rump, K.M., Gastgeb, H., Minshew, N.J. (2005) Discrimination of Facial Gender by Typically Developing Children and Individuals With Autism, Poster to be presented at the meetings of the Society for Research in Child Development, Atlanta, GA.

Strauss, M.S., Turner, K., Booth, J, Minshew, N.J., Numerical Estimation: Do individuals with autism demonstrate superior abilities? Poster to be presented at the International Meetings for Autism Research, Boston, MA. May, 2005

Gastgeb, H., Strauss, M.S., Minshew, N.J. (2005) Object Categorization in individuals with autism. Poster to be presented at the International Meetings for Autism Research, Boston, MA.

Best, C.A., Strauss, M.S., Newell, L.C., Minshew, N.J., Face knowledge in individuals with autism: abstracting specific information from faces. (2005), Poster to be presented at the International Meetings for Autism Research, Boston, MA.

Rump, K.M., Strauss, M.S., Giovannelli, J., Turner, K., Minshew, N.J., (2005) Recognizing subtle expressions of emotion: individuals with autism and emotion recognition. Poster to be presented at the International Meetings for Autism Research, Boston, MA.

Strauss, M.S., The role of gender categorization in face recognition. International Conference for Infant Studies, Chicago, 2004

Best, C.A., Newell, L., & Strauss, M.S. Gender categorization in preschool children: The effects of typicality and hair. International Conference for Infant Studies, Chicago, 2004 Preschoolers' implicit memory for typical and distinctive faces. International Conference for Infant Studies, Chicago, 2004

Strauss, M.S. The Perception and Recognition of Faces by Infants, Preschoolers, and Individuals With Autism. Paper presented at Society for Research in Child Development. Tampa,

Strauss, M.S. Symposium Chair, The Development of Facial Expertise, Society for Research in Child Development, Tampa. development, Boston, 1981. Infant immediate and delayed memory for perceptual dimensions. International conference of infant studies, New Haven, 1980. Abstraction of prototypical information. American Psychological Association, 1979.