

## VITA

### KARL S. ROSENGREN

Department of Psychology  
University of Wisconsin

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#### EDUCATION

B.A. in Chemistry with Minors in Mathematics and Psychology, 1981,  
College of Wooster, Wooster, Ohio  
Ph.D. in Child Psychology, 1989, University of Minnesota, Minneapolis, Minnesota  
Postdoctoral Research Fellow, 1989-1990, University of Michigan, Ann Arbor Michigan

#### AWARDS & HONORS

Phi Beta Kappa  
Sigma Xi  
The Lubrizol Award in Chemistry, College of Wooster, 1979  
The Cary R. Wagner Prize in Chemistry, College of Wooster, 1981  
The William Z. Bennet Prize in Chemistry, College of Wooster, 1981  
Departmental Honors in Chemistry, College of Wooster, 1981  
Graduate School Fellowship, University of Minnesota, 1982-1983  
National Institute of Child Health and Human Development Predoctoral Traineeship,  
Center for Research in Human Learning, University of Minnesota, 1983-1986  
Dissertation Fellowship, University of Minnesota, 1987-1988  
Teaching Recognition Award, Learning Disabilities Society, University of Michigan, 1991  
Arnold O. Beckman Research Award, University of Illinois, 1994, 1997  
List of Teachers Rated Excellent by Their Students, University of Illinois, 1992, 1994,  
2001, 2002, 2003, 2004, 2006, 2007  
Outstanding Staff Member Award, Panhellenic Council, University of Illinois, 1994, 1995  
Excellence in Guiding Undergraduate Research Award, College of Applied Life Studies,  
University of Illinois, 1999  
King James McCristal Distinguished Scholar Award for the College of Applied Life  
Studies, 2004  
Fellow, Association for Psychological Science, 2009  
Recognition for Cultural Sensitivity, Multicultural Student Affairs, Northwestern University,  
2012  
Outstanding Faculty Member, Order of Omega Greek Awards, Northwestern University,  
2012  
Associated Student Government Faculty and Administrator Honor Roll for Exceptional  
Teaching, 2011, 2012, 2013, 2014  
Most Fascinating Study in Child Psychology Published Since 1960 (2014)  
Voted on by memberships of Society for Research in Child Development, Cognitive  
Development Society, and the International Society for Infant Studies  
[DeLoache, Miller, & Rosengren, 1997]  
Honored in 2014 by Northwestern University by establishing the *Karl Rosengren  
Undergraduate Research Mentoring Award* in recognition of my leadership to the  
university in supporting undergraduate research  
Outstanding Mentor Award, Ronald E. McNair Program, University of Wisconsin-Madison,  
2016.  
Vilas Associates Award, University of Wisconsin-Madison, 2018-2020.  
Department of Psychology Teaching Award, 2018

Forward in Access Award, McBurney Disability Resource Center, 2018

### **ASSOCIATION MEMBERSHIPS**

Association for Psychological Sciences  
International Society for Infant Studies  
Cognitive Development Society  
Society for Research in Child Development

### **PROFESSIONAL EXPERIENCE**

2014 to Present	Professor, Department of Psychology Investigator, Waisman Center University of Wisconsin – Madison
2015 to 2016	Interim Associate Head for Undergraduate Instruction Interim Director Psychology Research Experience Program (PREP) Department of Psychology University of Wisconsin - Madison
2009 to 2014	Professor, Department of Psychology Northwestern University
2008 to 2009	Visiting Professor, Department of Psychology Northwestern University
2004 to 2008	Professor, Department of Psychology Department of Kinesiology & Community Health Affiliate, Beckman Institute for Advanced Science and Technology University of Illinois at Urbana-Champaign
1998-2004	Associate Professor, Department of Psychology, Department of Kinesiology Affiliate, Beckman Institute for Advanced Science and Technology University of Illinois at Urbana-Champaign
1999-2000	Visiting Professor, Faculteit der Bewegingswetenschappen (Faculty of Human Movement Sciences) Vrije Universiteit (Free University), Amsterdam, The Netherlands
1992-1998 Psychology	Assistant Professor of Kinesiology, Assistant Professor of University of Illinois at Urbana-Champaign
1990-1991	Adjunct Assistant Professor, Department of Psychology, University of Michigan
1989-1990	Postdoctoral Fellow, Department of Psychology, University of Michigan
1987-1989	Research Assistant, Institute of Child Development University of Minnesota

### **Leadership Positions & Significant Service**

2018 to present	Human Research Protection Advisory Committee
2017 to 2018	Campus Working Group on IRB Governance, Policy & Procedures
2015 to 2016	Interim Associate Chair for Undergraduate Studies Co-Director Psychology Research Experience Program (PREP) NSF funded program for students from underrepresented groups Department of Psychology, UW-Madison
2012 to 2014	<i>Vice-Chair</i> , Social-Behavioral IRB Northwestern University
2010 to 2014	<i>Chair</i> , Undergraduate Research Grant Committee

- Northwestern University
- Oversaw Committee that Awards ~ 130 Summer and ~60 Academic Year Grants for a total of ~500 k per year in 2013-2014
- 2009 to 2014 *Director of Undergraduate Studies*  
Department of Psychology  
Northwestern University
- Oversee Undergraduate Program of 400 Majors
- 2009 to 2014 Departmental Advisory Committee,  
Northwestern University
- 2008 - 2009 *Member, Provost's Committee to Evaluate Promotion & Tenure Policies, University of Illinois*
- 2004 - 2008 *Associate Head for Space & Development*  
Department of Psychology  
University of Illinois at Urbana-Champaign
- Managed and Allocated Space for Department with 60 Faculty
  - Initiated Departmental Development Program
    - Initiated Alumni Career Night
    - Helped Establish Alumni Board
    - Initiated Departmental Fund Raising
  - Initiated Student Award Ceremony
    - Created New Graduate and Undergraduate Awards
- 2004 - 2009 *Department Advisory Committee,*  
Department of Psychology  
University of Illinois at Urbana-Champaign
- Department Advisory Committee,*  
Department of Kinesiology & Community Health  
University of Illinois at Urbana-Champaign
- College Executive Committee,*  
College of Applied Health Sciences
- 2001 - 2003 *Associate Head for Undergraduate Affairs*  
Department of Psychology  
University of Illinois at Urbana-Champaign
- Oversaw Undergraduate Program of 1600 Majors
  - Initiated a Space Management Program for the Department

\*List does not include numerous search and tenure committees

### **EDITORIAL EXPERIENCE**

Guest Editor, *Human Development*, 2010-2011, Special Issue on Explanatory Co-Existence

Guest Editor, *Infant Behavior and Development*, (2001 to 2003),

Special issue on Variability

Editorial Board, *American Educational Research Journal* (2010 to present).

Editorial Board, *Journal of Aging Research* (2009 to 2014)

Editorial Board, *Journal of Cognition and Culture* (2000 to present)

Editorial Board, *Infant Behavior and Development* (2003 to present)

Guest Editor, *Research Quarterly for Exercise & Sport* (2004)

Associate Editor, *British Journal of Developmental Psychology* (1998 to 2003)

Editorial Board, *Child Development* (1994 to 1996)

### **Consulting Reviewer:**

*Acta Psychologica*

*Adapted Physical Activity Quarterly*

<i>American Educational Research Journal</i>	<i>Journal of Experimental Child Psychology</i>
<i>American Psychologist</i>	<i>Journal of Genetic Psychology</i>
<i>Applied Ergonomics</i>	<i>Journal of Gerontology: Psychological Sciences</i>
<i>British Journal of Developmental Psychology</i>	<i>Journal of Gerontology: Medical Sciences</i>
<i>Canadian Journal of Experimental Psychology</i>	<i>Journal of Learning &amp; Motor Development</i>
<i>Child Development</i>	<i>Journal of Motor Behavior</i>
<i>Cognition</i>	<i>Journal of Pediatrics</i>
<i>Cognitive Development</i>	<i>Journal of Social and Personality Psychology</i>
<i>Cognitive Science</i>	<i>Memory &amp; Cognition</i>
<i>Current Directions in Psychological Science</i>	<i>Medicine &amp; Science in Sports &amp; Exercise</i>
<i>Developmental Psychology</i>	<i>Merrill-Palmer Quarterly</i>
<i>Developmental Science</i>	<i>Monographs of the Society for Research in Child Development</i>
<i>Early Childhood Research Quarterly</i>	<i>Neuroscience</i>
<i>Ergonomics</i>	<i>Neuroscience Letters</i>
<i>European Journal of Cognitive Psychology</i>	<i>Perception &amp; Psychophysics</i>
<i>Human Development</i>	<i>Perceptual Motor Skills</i>
<i>Infant Behavior and Development</i>	<i>Perspectives on Psychological Science</i>
<i>International J. of Behavioral Development</i>	<i>Psychological Bulletin</i>
<i>Int. J. of Fashion Design, Tech, &amp; Education</i>	<i>Psychological Review</i>
<i>Journal of Applied Developmental Psychology</i>	<i>Psychological Science</i>
<i>Journal of Aging &amp; Physical Activity</i>	<i>Research Quarterly for Exercise &amp; Sport Science &amp; Education</i>
<i>Journal of Alternative and Complementary Medicine</i>	
<i>Journal of Experimental Brain Research</i>	

**Adhoc Reviewing:**

Co-Chair, Review Panel: Perceptual, Sensory, Motor, SRCD 2018-2019  
 Biennial Conference for the Society for Research in Child Development  
 (1996-1997, 1998-1999, 2000-2001, 2002-2003)  
 Cognitive Science Society (2004)  
 International Conference for Infant Studies (2003-2004)  
 North American Society for the Psychology of Sport and Physical Activity  
 (1999, 2002, 2007)  
 Piaget Society Conference (1998)  
 Philosophical Society Conference (1998)  
 Human Kinetics Publishers  
 Oxford Publishers

**GRANT REVIEWING**

## Review Panels

National Science Foundation (2005, 2007, 2008, 2010, 2012-2015)

## Ad hoc Grant Reviewer:

Hampton Foundation  
 National Institute of Aging  
 National Science Foundation  
 Research Consortium of the American Alliance for Health, Physical Education,  
 Recreation and Dance

**RESEARCH FOCUS**

The focus of my work is on change: how children think about changes in the world surrounding them and how children and adults adapt to changes in their local

environment in order to act safely and effectively. For children to develop sophisticated models of the world they must come to realize what types of changes are possible and typical for different entities. In order to successfully negotiate an often-cluttered environment, an individual must realize what aspects of the environment must be attended to, compensated for, or avoided. These two topics divide into two lines of research, one primarily focusing on cognitive development, with a more specific focus on children's causal reasoning and conceptual development. The other line primarily focuses on motor development and control across the life span, with a more specific focus on how children and adults adapt their balance, gait, and movement in real world situations. A common theme throughout my work is that humans are complex systems and that in order to understand life long development we must investigate how multiple factors (both internal and external to the individual) interact and influence the current state of behavior.

### **TEACHING EXPERIENCE**

Courses taught, University of Wisconsin – Madison 2014 to present.

- Developmental Psychology (undergraduate)
- Research Methods (undergraduate)

Courses taught, Northwestern University, 2009 to 2014

- Developmental Psychology (undergraduate)
- Cognitive Development (undergraduate)
- Research Methods (undergraduate)

Courses taught, University of Illinois, 1992 to 2009:

- Child Psychology (undergraduate)
- Cognitive Development (undergraduate & graduate)
- Motor Development, Growth & Form (undergraduate)
- Posture & Gait across the Life Span (combined undergraduate/graduate)

Courses taught, University of Michigan, 1988 -1991:

- Adolescent Psychology (undergraduate)
- Child Psychology (undergraduate)
- Cognitive Development (undergraduate)
- Perceptual Development (graduate)

Courses taught, University of Minnesota, 1985 -1987

- Adolescent Psychology
- Cognitive Development
- Introductory Child Psychology

### **GRANTS**

The Role of Visual Information in the Control of Locomotion, Dissertation Special Grant, University of Minnesota, 1988, \$1,300.

Children's Reasoning About Magical Events, Rackham School of Graduate Studies Faculty Grant, University of Michigan, 1991, \$8,750.

The Role of Visual Information and Balance Control in the Development of Locomotion and Skilled Actions, Research Board Grant, University of Illinois, 1992, \$20,000.

Children's Understanding of Biological Change, Spencer Foundation Small Grant, University of Illinois, 1993-1994, \$11,325.

Cognitions and Actions Related to Gait Adjustments in the Elderly, Arnold O. Beckman Research Award, University of Illinois. PI with Edward McAuley (Co-PI), Department of Kinesiology, 1994-1995, \$12,600.

Cognitions and Actions Related to Gait Adjustments in the Elderly, Gerontology and Aging Studies Research Grant, University of Illinois, 1994-1995, \$500.

Dynamic Balance and Gait in Children with Cerebral Palsy, Mary Jane Neer Research Fund, University of Illinois, 1997 - 1998, \$14,992.

Development of a Hybrid Control Model of Balance Control, Arnold O. Beckman Research Award, University of Illinois, PI with R. S. Sreenivas (Co-PI), 1997-1998, \$18,314.

An Integrated Approach to Concept Learning in Humans and Machines, National Science Foundation, University of Illinois, Co-PI with B. Ross (PI), G. DeJong, G. Murphy, & L. Pitt, 1997 - 2002, \$775,000.

Learning Sensorimotor Control of Balance and Locomotion, National Science Foundation, University of Illinois, Co-PI with M. Spong (PI), G. DeJong, S. Hutchinson, & R. S. Sreenivas, 1998-2002, \$500,000.

Emotion and motivated behavior: Affective picture-viewing and postural sway. University of Illinois Research Board, Co-PI with C. Hillman (PI), \$18,000.

Examining the role of peripheral neuropathy and leg strength in balance problems and gait disability in older adults. Mary Jane Neer Research Fund, University of Illinois. PI with G. Binsted, R. S. Sreenivas, Co-PIs. 8/21/02 – 8/21/03, \$14,282.

Activity, Gait and Efficacy (AGE) in Older Women, National Institute of Aging, University of Illinois, Co-PI with E. McAuley (PI), 8/15/2002 – 7/31/2006, \$1,031,445.

Assessment of Balance Strategies in Older Adults as a Function of Taiji Practice, Research Board, University of Illinois, 1/1/04 – 12/31/04, \$18,301.

Preliminary investigations of the factors impacting the acquisition of evolutionary concepts. National Science Foundation, University of Michigan and University of Illinois, 4/1/04 to 3/31/05, \$91,418.

Asymmetry analysis to examine recovery from acute injuries. Co-PI with E. Hsiao-Wecksler and J. Polk, Mary Jane Neer Research Fund, University of Illinois, \$13,000. 1/2005 to 12/2005.

Effects of fatigue on balance performance. Co-PI with E. Evans. Research Board, University of Illinois. \$14,860. 9/2005 to 8/2006

Effects of SCBA bottle configuration on gait and balance performance among firefighter, Illinois Homeland Security Research Center – Seed Grant. Co-PI with E. Hsiao-Wecksler (PI) & T. Schroeder (Co-PI), \$30,000. 8/2006 - 7/2007.

Cardiovascular and biomechanical responses to firefighting and PPE. Co-PI with G. Horn, D. Smith, S. Petruzello, & E. Hsiao-Wecksler, US Department of Homeland Security, \$899,268, 9/07 to 8/08.

Effects of Regular Taiji Practice on Cognitive and Sensorimotor Performance. PI with J. Sosnoff, \$14,800, Center for Healthy Minds. University of Illinois.

ERPs to Academics: Exercise effects on cognition in school-aged children. Co-PI with C. Hillman (PI), D. Castelli, R. Motl, \$1,336,324, NIH, 8/08 to 7/12. Switched to Consultant with move to Northwestern University.

Consultant. Evolution Challenges. S. Brem, G. Sinatra, & Margaret Evans (PIs). NSF. University of Arizona, University of Nevada Las Vegas, University of Michigan.

Consultant. The feasibility of conducting a study of Tai Chi in nursing home residents with knee osteoarthritis and cognitive impairment, NIH, University of Arkansas. P-F Tsai (PI).

Consultant. AGE II. E. McAuley (PI), P. Estabrooks, R. Motl. NIH. University of Illinois.

Life Beyond Death: Young Mexican Children's Conceptions of Death, PI with Isabel Gutierrez, University of Oxford (John Templeton Foundation), Northwestern, \$25,985. 2/01/10 to 12/31/10.

SCBA & fatigue effects on Firefighter Movement & Safety, CoPI with G. Horn (PI), E. Hsiao-Wecksler & B. Fernhall. Homeland Security. \$983,600. 8/11 to 8/14.

Contexts of Pattern Learning. Interim PI (standing in for C. Kalish while he is a program officer at NSF), National Science Foundation. \$594,449. 9/13 to 8/16.

Psychological Research Experiences Program (PREP). Interim PI (Standing in for B. Postle while he is on sabbatical. National Science Foundation.

The Wonders of Chemistry: Developing Epistemic Knowledge Through Parent-Child Conversations about Live Chemistry Demonstrations. PI with Charles Kalish, Rosemary Russ, & Bassam Shakhshira. Fall Competition, UW-Madison, \$39,270. 8/1/17 to 7/31/18.

The Role of Visual Representations in Children's Learning about Biological Variability. PI with Martha Alibali & Charles Kalish. National Science Foundation, \$1,079,019. 9/01/2018 to 8/31/21.

## **PUBLICATIONS**

### **Journal Articles**

Gaus, P. L., Boncella, J. M., Rosengren, K. S. & Funk, M. O. (1982). Ligand-bridged dimers of pentacarbonyl tungsten: Synthesis and characterization. *Inorganic Chemistry*, 21, 2174-2179.

Rosengren, K. S., Pick, H. L., Jr., & Hofsten, C. von. (1988). Role of visual information in ball catching. *Journal of Motor Behavior*, 20, 150-164.

Behrend, D., Rosengren, K., & Perlmutter, M. (1989). A new look at children's private speech: The effects of age, task difficulty, and parent's presence. *International Journal of Behavioral Development*, 12, 305-320.

Gross, D., Solken, N., Rosengren, K. S., Pick, A. D., Pillow, B. H., & Melendez, P. (1991). Children's understanding of action lines and the representation of locomotion. *Child Development*, 62, 1124-1141.

Rosengren, K. S., Gelman, S. A., Kalish, C., & McCormick, M. (1991). As time goes by: Children's early understanding of biological growth. *Child Development*, 62, 1302-1320.

Hofsten, C. von, Rosengren, K. S., Pick, H. L., & Neely, G. (1992). The role of binocular information in ball catching. *Journal of Motor Behavior*, 24, 329 - 338.

Rosengren, K. S., Kalish, C. W., Hickling, A., & Gelman, S. A. (1994). Exploring the relation between preschool children's magical beliefs and causal thinking. *British Journal of Developmental Psychology*, 12, 69-82.

Rosengren, K. S. & Hickling, A. (1994). Seeing is believing: Children's explanations of commonplace, magical, and extraordinary transformations. *Child Development*, 65, 1605-1626.

Gutheil, G. & Rosengren, K. S. (1996). A rose by any other name: Preschoolers' concept of identity across name and appearance changes. *British Journal of Developmental Psychology*, 14, 477-498.

\*\*DeLoache, J., Miller, K., & Rosengren, K. S. (1997). The credible shrinking room: Young children's performance with symbolic and nonsymbolic tasks. *Psychological Science*, 8, 308-312.

**\*\*Most Fascinating Study in Child Psychology Published Since 1960**

Voted on by memberships of Society for Research in Child Development, Cognitive Development Society, and the International Society for Infant Studies

McAuley, E., Mihalko, S. L. & Rosengren, K. (1997). Self-efficacy and balance correlates of fear of falling in the elderly. *Journal of Aging and Physical Activity*, 5, 329-340.

DeLoache, J. S., Pierroutsakos, S. L., Uttal, D., Rosengren, K. S. & Gottlieb, A. (1998). Grasping the nature of pictures. *Psychological Science*, 9, 205 - 210.

Rosengren, K. S., McAuley, E., & Mihalko, S. L. (1998). Gait adjustments in older adults: Activity and efficacy influences. *Psychology & Aging*, 13, 375-386.

Rosengren, K. S., McAuley, E., Woods, D., & Mihalko, S. (2000). Gait, balance, and self-efficacy in older black and white American women. *Journal of the American Geriatrics Society*, 48, 707-709.



- Braswell, G. S., & Rosengren, K. S. (2000). Decreasing variability in the development of graphic production. *International Journal of Behavioral Development*, 24, 153-166.
- Van der Kamp, J., Savelsbergh, G. J. P., & Rosengren, K. S. (2001). The separation of action and perception, and the issue of affordances. *Ecological Psychology*, 13, 167-172.
- Savelsbergh, G., van der Kamp, J., & Rosengren, K. S. (2002). Walking through history: Changing constraints in developmental thinking. *Infant Behavior and Development*, 25, 94-97.
- Braswell, G. S., & Rosengren, K. S. (2002). The role of handedness in graphic production: Interactions between biomechanical and cognitive factors in drawing development. *British Journal of Developmental Psychology*, 20, 581-600.
- Doyle, R. J., Bell, G. W., & Rosengren, K. (2002). Characteristics and incidence rates of chronic ankle problems secondary to inversion sprains. *Medicine & Science in Sports & Exercise*, 34 (5).
- Rosengren, K. S. (2002). Thinking of variability during infancy and beyond. *Infant Behavior and Development*, 25, 337-339.
- Rosengren, K. S., Christou, E.A., Yang, Y., Kass, D., & Boule, A. (2003). Quantification of Taiji learning in older adults. *Journal of the American Geriatric Society*, 51, 1186-1187.
- Christou, E. A., Yang, Y., & Rosengren, K. S. (2003). Taiji training improves knee extensor strength and steadiness in older adults. *Journal of Gerontology: Medical Science*, 58, 763-766.
- Rosengren, K. S., Savelsbergh, G. & van der Kamp, J. (2003). Development and learning: A TASC-Based perspective on the acquisition of perceptual-motor behaviors. *Infant Behavior and Development*, 26, 473 – 494.
- Hillman, C. H., Rosengren, K. S., & Smith, D. P. (2004). Emotion and motivated behavior: Postural adjustments to affective picture viewing. *Biological Psychology*, 66, 51-62.
- DeLoache, J. S., Uttal, D. H., & Rosengren, K. S. (2004). Scale errors offer evidence for a perception-action dissociation early in life. *Science*, 304, 1027-1029.
- Nguyen, S., & Rosengren, K. S. (2004). Causal reasoning about illness: A comparison between European- and Vietnamese-American children. *Journal of Cognition and Culture*, 4, 51 – 78.
- Xu, D., Carlton, L. G., & Rosengren, K. S. (2004). Anticipatory postural adjustments for altering direction during walking. *Journal of Motor Behavior*, 36, 316-326.
- Nguyen, S., & Rosengren, K. S. (2004). Parental reports of children's biological experiences and misconceptions. *International Journal of Behavioral Development*, 28, 411-420.
- Hillman, C. H., Hsiao-Wechsler, E. T., Rosengren, K.S. (2005). Postural 4; and eye-blink indices of the defensive startle reflex. *International Journal of Psychophysiology*, 55, 45-49.

Ross, B. H., Gelman, S. A., & Rosengren, K. S. (2005). Category-based inferences affect classification. *British Journal of Developmental Psychology*, 23, 1-24.

Braswell, G. S., & Rosengren, K. S. (2005). Children and mother's drawing together: Learning graphic conventions during social interactions. *British Journal of Developmental Psychology*, 23, 299-315.

McAuley, E., Konopack, J. F., Motl, R. W., Rosengren, K. & Morris, K. S. (2005). Measuring disability and function in older women: Psychometric properties of the late life function and disability instrument. *Journal of Gerontology: Medical Sciences*, 60A, 901-909.

Evans, E. M. Ross, K.M., Heinrichs, K. L., McAuley, E., & Rosengren, K. S. (2005). Ultrasound of the calcaneus and bone mineral density differs in older Black and White women but is not impacted by current physical activity, *Osteoporosis International*, 16(12), 1755-1760.

McAuley, E., Konopack, J. F., Motl, R. W., Morris, K. S., Doerksen, S. E., & Rosengren, K. (2006). Physical activity and quality of life in older adults: Influence of health status and self-efficacy. *Annals of Behavioral Medicine*, 31 (1), 91-103.

Peterson, M., Christou, E., & Rosengren, K. S. (2006). Children demonstrate adult-like sensory integration during quiet stance at twelve years old. *Gait & Posture*, 23, 455-463.

McAuley, E., Konopack, J. F., Morris, K. S., Motl, R., & Rosengren, K. (2006). Physical activity and functional limitations in older women: Influence of self-efficacy. *Journal of Gerontology: Psychological Sciences*, 61B, P270-P277.

Doyle, R. J., Ragan, B. G., Hsiao-Wecksler, E. T., & Rosengren, K. S. (2007). Generalizeability of center of pressure measures of quiet standing. *Gait & Posture*, 25, 166-171.

Rosengren, K. S., Rajendran, K., Contakos, J. Chuang, L., Peterson, M., Doyle, R., & McAuley, E. (2007). Changing control strategies during standard assessment using computerized dynamic posturography with older women. *Gait & Posture*, 25, 215-221.

Braswell, G. S., Rosengren, K. S., & Pierrotsakos, S. L. (2007). Task constraints on preschool children's grip configurations during drawing. *Developmental Psychobiology*, 49, 216-225.

Misic, M.M., Rosengren, K. S., Woods, J. A., Evans, E. M. (2007). Muscle quality, aerobic fitness and fat mass predict lower extremity physical function in community dwelling older adults. *Gerontology*, 53, 260-266.

Umstattd, M.R., McAuley, E., Motl, R.W., & Rosengren, K.S. (2007). Pessimism and physical functioning in older women: Influence of self-efficacy. *Journal of Behavioral Medicine*, 30, 107-114.

Yang, Y., Verkuilen, J., Rosengren, K. S., Mariani, R. A., Reed, M., Grubisich, S. A. & Woods, J. A. (2007). The effects of a Taiji intervention on the antibody response to influenza vaccine in the elderly. *American Journal of Chinese Medicine*, 35 (4), 597-607.

Yang, Y., Verkuilen, J. V., Rosengren, K. S., Grubisich, S. A., Reed, M.R. & Hsiao-Weckler, E. (2007). Effect of combined Taiji and Qigong training on balance mechanisms: A randomized controlled trial of older adults. *Medical Science Monitor*, 13(8), CR1 – CR10.

Yang, Y., Verkuilen, J., Grubisich, S. A., Reed, M. R., Rosengren, K. S. (2007). The effects of Taiji (T'ai Chi)/Qigong (Ch'i Kung) on balance in older adults, *Carle Selected Papers*, 50 (2), 8-18.

McAuley, E., Morris, K.S., Doerksen, S.E., Motl, R.W., Hu, L., White, S.M., Wójcicki, T.R., Rosengren, K. (2007). Effects of change in physical activity on physical function limitations in older women: Mediating roles of physical functional performance and self-efficacy. *Journal of the American Geriatric Society*, 55, 1967-1973.

Ramachandran, A. K., Rosengren, K. S., Yang, Y., & Hsiao-Weckler, E. T. (2007). The effect of Tai Chi on gait and obstacle crossing behaviors in middle-aged adults. *Gait & Posture*, 26(2), 248-255.

Doyle, R., Ragen, B. G., Rajendran, K., Ragan, B., Rosengren, K. S., Hsiao-Weckler, E. (2008). Generalizability of Stabilogram Diffusion Analysis of center of pressure measures. *Gait & Posture*, 28, 223-230

Polk, J. D., Spencer-Smith, J., DiBerardino, L., Ellis, D., Downen, M., & Rosengren, K. S. (2008). Quantifying variability in phase portraits: Applications to gait ontogeny. *Infant Behavior and Development*, 31(2), 302-306.

Shorter, K. A., Polk, J. D., Rosengren, K. S., Hsiao-Weckler, E. T. (2008). A new approach to Detecting Asymmetries in braced and unbraced limbs. *Clinical Biomechanics*, 23, 459-467.

McAuley, E., Doerksen, S.E., Morris, K.S., Motl, R.W., Hu, L., Wójcicki, T.R., White, S.M., Rosengren, K. (2008). Pathways from physical activity to quality of life in older women. *Annals of Behavioral Medicine*, 36, 13-20.

Broglio, S. P., Sosnoff, J.J., Rosengren, K. S., & McShane, K. (2009). A comparison of balance performance: Computerized dynamic posturography and a random motion platform. *Archives of Physical Medicine and Rehabilitation*, 90, 145-150.

Rosengren, K. S., Deconinck, F. J. A., DiBerardino, L.A., Polk, J.D., Spencer-Smith, J., Lenoir, M., & De Clercq, D. (2009). Differences in Gait Complexity and Variability Between Children With and Without Developmental Coordination Disorder. *Gait & Posture*, 29, 225-229.

Tsai, P., Chang, J.Y., Beck, C., J.Y., Hagen, K.J.S., Anand, S., Kuo, Y., Roberson, P., Rosengren, & K., Beuscher, L., (2009). The Feasibility of implementing Tai Chi for nursing home residents with knee osteoarthritis and cognitive impairment. *Activities Directors' Quarterly*, 10(1), 9-17.

Rosengren, K. S., Carmichael, C., Schein, S. S., & Anderson, K. (2009). A method for eliciting scale errors in preschool classrooms. *Infant Behavior & Development*, 32, 286-290.

Rosengren, K. S., Gutiérrez, I., Schein, S. S., & Anderson, K. (2009). Parental reports of children's scale errors in everyday life. *Child Development*, 80, 1586-1591.

Valentine, R. J., Misisic, M. M., Rosengren, K. S., Woods, J. A., Evans, E. M. (2009). Sex impacts the relation between body composition and physical function in older adults. *Menopause*, 16, 518-523.

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#### **JOURNAL ARTICLES** (under review/revision)

Kirkorian, H. L., Travers, B. G., Jiang, M. J., Choi, K., Rosengren, K. S., Jobin, P., Pavalko, P., & Tolken, E. (under review). Drawing across media: A cross-sectional study of the quality of drawings produced using traditional versus electronic mediums.

French, J. A., Tumuluru, S., Walco, D. K., Hespos, S. J., Uttal, D. H., & Rosengren, K. S. (under revision). Do nine-month-olds grasp the nature of photographs?

Rhoad, A. M., Bruton, C. M., & Rosengren, K. S. (under review). Inhibitory control is linked to persistent grasping at objects in pictures.

Petrucci, M. N., Harton, B., Horn, G. P., Rosengren, K. S., & Hsiao-Wecksler, E. T. (under review). What factors contribute to slips, trips, and falls on the fireground? A survey.

Jiang, M. J., Rosengren, K. S., Cho, S., & Lee, M. (under review). Young adults' concepts of health: A cross-cultural comparison between South Korea and the United States.

Gutiérrez, I. T., Menendez, D., Jiang, M. J., Miller, P., & Rosengren, K. S. (under review). Embracing death: Mexican parent and child perspectives on death.

Menendez, D., Rosengren, K. S., & Alibali, M. W. (under review). Do details bug you? Effects of representational richness in learning about biological change.

Kesler, R., Bradley, F., Deejan, G., Angelini, M. J., Petrucci, M. N., Rosengren, K. S., Horn, G. P., Hsiao-Wecksler, E. T. (under review). Impact of SCBA Size and Fatigue from Different Firefighting Work Cycles on Firefighter Gait.

## BOOK REVIEWS

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## ARTICLES IN NON-ACADEMIC JOURNALS AND BOOKS

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## PRESENTATIONS

Gaus, P. L., Rosengren, K. S., Boncella, J. M., & Swansiger, M. S. (1981, April). *The photochemical synthesis and characterization of homo- and heteronuclear ligand-bridged dimers of group VI-B metal carbonyls*. Paper presented at the annual meeting of the Ohio Academy of Science, Wooster, Ohio.

Rosengren, K. S., Behrend, D., & Perlmutter, M. (1985, April). *Parent and child speech during puzzle solving*. Paper presented at the biennial meeting of the Society for Research in Child Development, Toronto, Canada.

Rosengren, K. S., Gross, D., Abrams, A., & Perlmutter, M. (1985, September). *An observational study of preschool children's computer activity*. Paper presented at the Conference on Perspectives on the Young Child and the Computer, Austin, Texas.

Rosengren, K. S., Pick, H. L., Jr., Hofsten, C. von, & Neely, G. (1985, November). *The perceptual basis of catching skills*. Paper presented at the annual meeting of the Psychonomic Society, Boston, Massachusetts.

Pick, H. L., Jr., & Rosengren, K. (1987, January). *Perception and representation in the development of mobility*. Paper presented at Speaking, Reading, Thinking and Development: A Conference on the Accomplishments and Goals of Modern Research, Tampa, Florida.

Pick, H. L., Jr., & Rosengren, K. (1987, April). *Visual guidance of motor performance*. Paper presented at the Bilateral Conference on Motor Control, Moscow, U.S.S.R.

Rosengren, K. & DeHart, G. (1987, May). *Effects of defining features and task demands on adults concept judgments*. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, Illinois.

Behrend, D., Rosengren, K. S., & Perlmutter, M. A. (1989, April). *Parental scaffolding and children's private speech: Differing sources of cognitive regulation*. Paper presented at the biennial meeting of the Society for Research in Child Development, Kansas City.

Gross, D., Solken, N., Rosengren, K. S., & Pillow, B. (1989, April). *Children's understanding of drawing conventions for depicting action events*. Paper presented at the biennial meeting of the Society for Research in Child Development, Kansas City.

Rosengren, K. S. (1989, June). *The visual control of balance and locomotion in children and adults*. Invited paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Kent State University.

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Gutheil, G., Rosengren, K. S., & Jacobs, J. (1991, April). *Preschoolers' concept of identity across name and appearance changes*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Coley, J. D., Gelman, S. A., Rosengren, K. S., Hartman, E. E., & Pappas, A. S. (1991, April). *Parent-child talk about categorical, thematic and similarity relations*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle.

Rosengren, K. S., Gelman, S. A., Kalish, C., & Fealk, E. (1991, July). *Children's understanding of possible and impossible changes in animals*. Paper presented at the

biennial meeting of the International Society for the Study of Behavioral Development, Minneapolis.

Gutheil, D. G., & Rosengren, K. S. (1993, April). *Identity over the growth process*. Paper presented at the biennial meeting of the Society for Research in Child Development, New Orleans.

Hickling, A. K., & Rosengren, K. S. (1993, April). *"It's magic!": Children's explanations of magical, commonplace, and wonderful object transformations*. Paper presented at the biennial meeting of the Society for Research in Child Development, New Orleans.

Rosengren, K. S. (1993, May). *From caterpillars to butterflies, frogs to princes, young children's reasoning about possible and impossible events*. Invited presentation the Midwestern Psychological Association, Chicago.

DeHart, G. B., Rosengren, K. S., Prostka, J., Burr, T., Heagle, K. (1993, June). *Preschoolers' understanding of metamorphosis*. Paper presented at the 5th annual convention of the American Psychological Society, Chicago.

DeLoache, J., Miller, K. F., Rosengren, K. S., & Bryant, N. (1993, November). *Symbolic development in young children: Honey, I shrunk the room*. Paper presented at the 34th annual meeting of the Psychonomic Society, Washington, D.C.

DeHart, G. B., Rosengren, K. S., Torch, J., Amentano, D., Heagle, K., & Yung, L. (1994, April). *Understanding of metamorphosis among inner-city preschoolers*. Poster presented at the biannual Human Development convention. Pittsburgh.

Rosengren, K. S., & Wells, M. (1994, June). *Effects of barrier height on the locomotor behavior of 3- and 4-year-old children*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Clearwater, Florida.

Rosengren, K. S., Hickling, A., & Jurist, M. (1995, March). *Parent-child conversations about magical events*. Symposium paper presented at the biennial meeting of the Society for Research in Child Development, Indianapolis, Indiana.

Rosengren, K. S., DeGuzman, D., & Pieroutsakis, S. (1995, March). *Why can't Johnny draw a square square? Task constraints on children's grip configurations during drawing*. Paper presented at the biennial meeting of the Society for Research in Child Development, Indianapolis, Indiana.

Rosengren, K. S. (1995, April). *A new look at some old questions in the field of motor development*. Colloquium Department of Kinesiology, University of Illinois.

Rosengren, K. S., & Taylor, M. G. (1995, May). *Children's understanding of parent-offspring resemblance: Ramifications for children's emerging biological theories*. Invited paper presented at the Midwestern Psychological Association, Chicago.

Rosengren, K. S., McAuley, E., Bozian, S., Metcalfe, J., Berg, K., O'Malley, A., Edwards, S., & Lim, Y. (1995, June). *Gait adjustments in sedentary and active older adults*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Asilomar, California.

Bozoian, S., McAuley, E., & Rosengren, K. (1995, June). *Self-efficacy, balance, and gait in sedentary and exercising older adults*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Asilomar, California

McAuley, E., Mihalko, S., & Rosengren, K. (1996, March). *Efficacy, exercise, and fear of falling*. Paper presented at the International Congress of Behavioral Medicine. Washington, D.C.

Rosengren, K. S., (1996, May). *Charting boundaries between fantasy and reality*. Invited colloquium University of Pittsburgh.

Metcalfe, J. S., & Rosengren, K. S. (1996, June). *Methodological issues in the use of phase plots in motor development research*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Ontario, Canada.

Rosengren, K. S. McAuley, E., & Mihalko, S. L. (1996, June). *Gait patterns in older adults: Physical, behavioral and cognitive influences*. Paper presented at the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Ontario, Canada

Rosengren, K. (1996, August). *Making the impossible possible: Children's reasoning about change*. Invited symposium paper presentation at the XIVth ISSBD Conference, Quebec City, Canada.

Rosengren, K. S. (1996, October). *A new perspective on the development of children's drawings*. Paper presented at the Motor Development Research Consortium. Bloomington, Indiana.

Rosengren, K. S., Taylor, M. G., & DeHart, G. (1997, April). *Variability in Children's Reasoning about Biological Change*. Invited symposium paper presented at the biennial meeting of the Society for Research in Child Development

Rosengren, K. S., Mihalko, S. L., Metcalfe J., McAuley, E., Foster, R. (1997, April). *Relations between balance and gait speed in older women*. Paper presented at the annual meetings of the North American Society of Gait and Clinical Movement Analysis. Chicago.

Rosengren, K. S., Mihalko, S. L., Metcalfe, J. S., McAuley, E., & Wesolowski, L. (1997, May). *Balance and gait speed in active and sedentary older women*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Denver.

Metcalfe, J. S., Rosengren, K. S., Foster, R. T., Novak, R., & Ksander, S. (1997, May). *Head displacement during obstacle crossing in older adult women*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Denver.

Metcalfe, J. S., DeGuzman, D., & Rosengren, K. S. (1997, May). *Analysis of head displacement during computerized dynamic posturography*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Denver.

Mihalko, S. L., McAuley, E., & Rosengren, K. (1997, May). *Falling among older women: Physiological, behavioral, and psychological influences*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Denver.

Xu, D., Rosengren, K. S., & Chow, J. (1997, May). *Coordination of lower extremities during walking*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Denver.

Braswell, G. & Rosengren, K. S. (1997, October). *Different strokes for different folks: Variability in stroke production during drawing*. Paper presented at the Motor Development Research Consortium. Lansing, Indiana.

Rosengren, K. S. (1998, May). *Balance and gait speed in active and sedentary older women*. Paper presented at the 8th Annual Conference on Gerontology and Aging. Urbana, Illinois.

Rosengren, K. S., Woods, D., Bartoli, J., Moore, K., & Mihalko, S. (1998, June). *Balance and gait in African American and Caucasian American women*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Chicago, Illinois.

Novak, R., Foster, R., Metcalfe, J., & Rosengren, K. S. (1998, June). *A case study of the balance and gait of a child with Cerebral Palsy*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Chicago, Illinois.

Braswell, G. & Rosengren, K. S. (1998, June). *Variability in children's stroke production during drawing*. Poster presented at the Piaget Society Meetings, Chicago, Illinois.

Rosengren, K. S., Woods, D., Mihalko, S., McAuley, E., Novak, R., & Foster, R. (1998, November). *Balance, falls, fear of falling, & gait speed in African American and Caucasian women*. Poster presented at the 51st annual meeting of the Gerontological Society of America, Philadelphia, Pennsylvania.

Braswell, G. & Rosengren, K. S. (1999, April). *Charting the boundaries: Parent's attitudes and beliefs about the importance of religion, science, and fantasy*. Paper presented at the Biennial Meeting of the Society for Research in Child Development. Albuquerque, New Mexico.

Rosengren, K. S. (1999, June). *Children's reasoning about identity over change*. Invited paper to be presented at the Annual Conference of the Jean Piaget Society, Mexico City, Mexico.

Kass, D. A., Prim, L., Daniel, L., Biala, K., Christou, E. A., & Rosengren, K. S. (1999, June). *Balance assessment using the EquiTest with 7-to-10 year-old children and adults*. Poster presented at the North American Society for the Psychology of Sport and Physical Activity, Clearwater, Florida.

Bolgren, J. L., Leonard, K., Tracey, K., Bending, S., Christou, E. A., & Rosengren, K. S. (1999, June). *A comparison of different balance assessments using 7- to 10-year-old children*. Poster presented at the North American Society for the Psychology of Sport and Physical Activity, Clearwater, Florida.

Christou, E. A., Luchi, E., Hagstrom, D., Bierei, M., & Rosengren, K. S. (1999, June). *Balance in 7- to - 10 year old children: A comparison using a force platform and the EquiTest*. Poster presented at the North American Society for the Psychology of Sport and Physical Activity, Clearwater, Florida.

Nguyen, S., & Rosengren, K. S. (1999, October). *Cultural and contextual influences on children's illness causality*. Poster presented at the inaugural meeting of the Cognitive Development Society, Chapel Hill, North Carolina.

Rosengren, K. S. (2000, February). *Balance control in 7- to 12-year-old children*. Invited presentation to the Faculty of Human Movement Science, Free University, Amsterdam.

Rosengren, K. S. (2000, March). *Assessing balance control in the elderly: Effects of 6 month Tai Chi program*. Invited presentation to the Faculty of Human Movement Science, Free University, Amsterdam.

Yang, Y., Rosengren, K., & Christou, E. A. (2000, March). *The effect of T'ai Chi training on balance in elderly individuals*. Paper presented at the First World Conference on Fighting Sports and Martial Arts, Amiens, France.

Christou, E. A., Yang, Y., Rosengren, K. S., & Washburn, R. (June, 2000). *The effects of T'ai Chi training on quadriceps force production consistency*. Paper presented at the American College of Sports Medicine (ACSM) annual conference.

Nguyen, S., & Rosengren, K. S. (July, 2000). *Magical and biological explanations for illness: A cross cultural study of Vietnamese-American and European-American Children's causal reasoning*. Invited symposium presented at the International Society of the Study of Behavioral Development, Beijing, China.

Christou, E. A., Moss, B., Boule, A., Yoon, P., Evans, J., & Rosengren, K. (2000, July). *Postural stability in young and elderly adults: A comparison of limits of stability during static and dynamic tasks*. Paper presented at the American Biomechanics Society.

Rosengren, K. S. (2000, September). *Effects of 6-month Tai Chi Program for Older Adults*. Invited presentation to the Institute of Tai Chi Studies. Allerton, Illinois.

Rosengren, K. S., & Savelsbergh, G. J. P. (2000, October). *A TASC-based approach to perceptual-motor development*. Paper presented at the Motor Development Research Consortium. Bowling Green, Ohio.

Nguyen, S., & Rosengren, K. S. (2001, April). *European- and Vietnamese-American children's explanations for the causes and remedies of illness*. Invited symposium presented at the Biennial meeting of the Society for Research in Child Development. Minneapolis, Minnesota.

Rosengren, K. S. (2001, April). *Connecting magic to reality*. Invited discussion commentary presented at the Biennial meeting of the Society for Research in Child Development. Minneapolis, Minnesota.

Rosengren, K. S. (June, 2001). *The TASC-based approach to learning and development*. Invited presentation for the symposium on Development, Learning and Practice: What is



the difference? Different perspectives on understanding the nature of movement systems from infancy till elderly. Alsager, England.

Nguyen, S., & Rosengren, K.S. (October, 2001). *Parental reports of children's biological misconceptions*. Poster presented at the annual meeting of the Cognitive Development Society, Virginia Beach, Virginia.

Jerome, G. J., McAuley, E., Rosengren, K., & Boule, A. (November, 2001). *Physical activity, self-efficacy, and gait in older adults*. Poster presented at the annual meeting of the Gerontological Society of America. Chicago, IL.

Rosengren, K. S. (March, 2002). *Factors Influencing Balance and Gait in Older Adults*. Invited colloquium University of Maryland, College Park, MD.

Rosengren, K. S. (March, 2002). *The TASC-based Approach to Perceptual-Motor Development*. Invited colloquium University of Maryland, College Park, MD.

Rosengren, K. S. & Berenbaum, H. (March, 2002). *Exploring the dimensionality and transmission of parental beliefs about religion, fantasy, and science*. Invited presentation conference on Minds & God, University of Michigan, Ann Arbor, Michigan.

Rosengren, K. S. (April, 2002). *Interdisciplinary approaches to using virtual-reality technology*. Invited presentation conference on Using Virtual Reality to Perception-Action. University of Iowa, Iowa.

Savelsbergh, G. J. P., Rosengren, K. S., & van der Kamp, J. (April, 2002). *Functional variability and selection in perceptual-motor development*. Poster presented at the International Conference on Infant Studies, Toronto, Canada.

DeLoache, J., Uttal, D., & Rosengren, K. (April, 2002). *The Lilliputian problem: Scale errors in young children's responses to replica objects*. Poster presented at the International Conference on Infant Studies, Toronto, Canada.

Rosengren, K. (March, 2003). *From metamorphosis to magic: Charting the boundaries of children's thinking about possible and impossible events*. Invited colloquium. Department of Psychology, Duke University, Chapel Hill, North Carolina.

Rosengren, K. (April, 2003). *Variability across developmental domains: Theoretical and methodological issues*. Invited symposium discussant at the Biennial Meeting of the Society for Research in Child Development, Tampa, Florida.

DeLoache, J., Uttal, D., & Rosengren, K. (April, 2003). *Live from Lilliputia: Scale errors by very young children*. Symposium presentation at the Biennial Meeting of the Society for Research in Child Development, Tampa, Florida.

Doyle, R. J., & Rosengren, K. S. (June, 2003). *Effects of Changing Base of Support on Center of Pressure and Spectral Characteristics of Balance*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Savannah, Georgia.

Lobel, E., & Rosengren, K. S. (June, 2003). *Comparison of Balance in Individuals with Significant Dance or Taiji Experience*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Savannah, Georgia.

Hillman, C., & Rosengren, K. S. (June, 2003). *Emotion and Motivated Behavior: Postural Adjustments to Affective Stimuli*. Paper presented at the North American Society for the Psychology of Sport and Physical Activity, Savannah, Georgia.

Hsiao-Wecksler, E. T., Hillman, C. H., & Rosengren, K. S. (September, 2003). *Postural responses and the defensive startle reflex*. Poster presented at the American Society for Biomechanics, Toledo, Ohio.

Hillman, C.H., Hsiao-Wecksler, E.T., & Rosengren, K S. (October, 2003). *Postural responses to the defensive startle reflex*. Paper presented at the Society for Psychophysiological Research. Chicago, IL.

Rosengren, K. S. (April, 2004). *From magical beliefs to scale errors: Children's reasoning and actions at the boundaries*. Invited colloquium, Department of Psychology, University of Chicago, Chicago, Illinois.

Ramachandran, A.K., Riskus, A.V., Schultz, J.E., Reed, M., Yang, Y., Rosengren, K.S., and Hsiao-Wecksler, E.T.(April, 2004). *Effect of Tai Chi expertise and stance width on balance*. Presented at the 9<sup>th</sup> Annual Gait and Clinical Movement Analysis Society, Lexington, KY.

Dorner, J., Peterson, M. L., & Rosengren, K. S. (April, 2004). *The effect of Parkinson's on Gait and Balance*. Paper presented at the annual meetings of the North American Society of Gait and Clinical Movement Analysis. Lexington, Kentucky.

Hsiao-Wecksler, E.T., Ramachandran, A.K., Reed, M., Yang, Y., and Rosengren, K.S.(June, 2004). *Effect of Tai Chi on gait and obstacle crossing behaviors*. Presented at the International Society of Electromyography and Kinesiology conference, Boston, MA.

Doyle, R.J., Ragan, B.G., Melnyk, L.A., Hsiao-Wecksler, E.T., Rosengren, K.S. (June, 2004). *Generalizability of Stabilogram Diffusion Analysis*. Presented at the International Society of Electromyography and Kinesiology conference, Boston, MA.

Doyle, R.J., Ragan, B.G., Melnyk, L.A., Hsiao-Wecksler, E.T., Rosengren, K.S. (June, 2004). *Generalizability of Force Plate Measures*. Presented at the North American Society for the Psychology of Sport and Physical Activity (NASPSPA) conference, Vancouver, British Columbia.

Savelsbergh, G. J. P., Rosengren, K. S., & van der Kamp, J. (June, 2004) *Investigating Infant Catching using the TASC-based Approach*, NASPSPA. Vancouver, British Columbia

Hsiao-Wecksler, E.T., Ramachandran, A.K., Reed, M., Yang, Y., and Rosengren, K.S. (June, 2004). *Tai Chi affects gait and obstacle crossing behaviors*. Presented at the Annual Meeting of the American College of Sports Medicine, Indianapolis, IN.

Rosengren, K. S., Savelsberg, G.J. P., & Van der Kamp, J. (July, 2004). *The TASC-based approach to motor development*. Biennial Conference of the International Society of Behavioral Development, Ghent, Belgium.

Rosengren, K. S. (August, 2004). The TASC-Based approach to Life Span Development. King James McCristal Distinguished Scholar Award Presentation, College of Applied Life Studies, University of Illinois at Urbana-Champaign.

Ramachandran, A.K., Yang, Y., Rosengren, K.S., and Hsiao-Wecksler, E.T. (September, 2004). *Tai Chi and stance width effects on postural sway and knee flexion*. Presented at the 28th Annual Meeting of the American Society of Biomechanics, Portland, OR.

Peterson, M. L. Christou, E., Rosengren, K. S. (February, 2005). *Children achieve adult-like sensory integration during quiet stance at twelve years old*. Poster presented at the Combined Sections Meeting of the American Physical Therapy Association, New Orleans, LA.

Evans, M. E., Szymanowski, K. Polling, D., & Rosengren, K. S. (April, 2005). Overcoming an essentialist bias: From metamorphosis to evolution. Biennial meeting of the Society for Research in Child Development, Atlanta.

Rosengren, K. S. (May 2005). Grasping & Scale Errors: When Actions Don't Match the Nature of the Tool. Paper presented at the Motor Development and Learning in Infancy II, Murcia, Spain.

Peterson, M. L., Christou, E., Johnson, D., Dorner, J.L. (June, 2005). *African American and European American children display similar patterns of sensory integration during stance from ages 6 to 12*. Poster presented at the American College of Sports Medicine Annual Meeting, Nashville, TN.

Evans, E. M., Misic, M. M., McAuley, E., & Rosengren, K. S. (September, 2005). *Appendicular lean mass and sarcopenia index is greater in older black women but physical function is lower compared to white women*. International Congress In Vivo body Composition Studies, Southampton, United Kingdom.

Evans, E. M., Rosengren, K. S., Szymanowski, K., Smith, P. H., & Johnson, K. (October, 2005). *Culture, cognition, and creationism*. Symposium presentation at the Biennial Meeting of the Cognitive Development Society, San Diego, CA.

Rosengren, K. (October 2005). *Culture, Cognition, & Folkbiology: Some thoughts and comments*. Symposium presentation at the Biennial Meeting of the Cognitive Development Society, San Diego, CA.

Evans, E. M., Rosengren, K. S., Szymanowski K., & Smith, P. H. (December, 2005). From metamorphosis to evolution: A developmental constraints perspective. Division of Research, Evaluation, and Communication (REC). Principal Investigators Annual Meeting, National Science Foundation, Washington, D. C.

Evans, E., Misic, M. (October, 2006). Muscle quality, physical fitness and adiposity impact lower extremity physical function in older adults. The Obesity Society's 2006 Annual Scientific Meeting. Boston, MA.

Rosengren, K. S., Evans, E. M., & Anderson, K. N. (March, 2007). Examining the relation between children's understanding of parent-offspring variability and evolution. Biennial meeting of the Society for Research in Child Development, Boston, MA.

Gutierrez, I., Vasquez, A., Anderson, K. N., Rosengren, K. S., & Miller, P. (March, 2007). A comparison of children's concept of death in two cultures. Biennial meeting of the Society for Research in Child Development, Boston, MA.

Gutierrez, I., Olson, K. J., A., Anderson, K. N., Rosengren, K. S., & Miller, P. (March, 2007). Religious influences on children's concept of death. Biennial meeting of the Society for Research in Child Development, Boston, MA.

Broglio, S., & Rosengren, K. S. (May, 2007). Using reliable change to establish the sensitivity and specificity of the sensory organization test. Oral presentation at the Canadian Athletic Therapists Association, Winnepeg, Canada.

Contakos, J., Sosnoff, J. & Rosengren, K. S. (June, 2007). Changes in postural dynamics as a function of task constraints in elderly women. NASPSPA Annual Meeting, San Diego, CA.

Park, C-H., Malavasi, L. M., Wen, H-J., Shappard, L., Beattie, L., Chow, R., Firman, J., Jahnke, R., Rosengren, K., Yang, Y., & Chodzko-Zajko, W. (June, 2007). Qi Gong and Tai Chi: Strategies for developing and implementing community-based programs for older adults. Poster presented at the American College of Sports Medicine.

Gutierrez, I., Rosengren, K. S., & Miller, P. (June, 2007). Images of death in children's literature. Poster presented at the American Psychological Society. Washington D. C.

Gutierrez, I., Vasquez, A., Anderson, K. N., Rosengren, K. S., & Miller, P. (July, 2007). A comparison of children's concept of death in two cultures. Mexico City, Mexico.

Shorter, K. A., Polk, J. D., Rosengren, K. S., & Hsiao-Wecksler, E. T. (August, 2007) Detecting asymmetries in braced and unbraced limbs. American Society for Biomechanics.

Rosengren, K. S. (November, 2007). Folk theories and cognitive biases. Evolution Challenges, Phoenix, Arizona.

Rosengren, K. S., Polk, J. D., Spencer-Smith, J., DiBerardino, L., Ellis, D., & Downen, M. (March, 2008). Quantifying variability in phase portraits: Applications to gait ontogeny. International Conference on Infant Studies, Vancouver, CA.

Rosengren, K. S. (April, 2008). The magic of children. Keynote address. Minnesota Undergraduate Psychology Conference. St. Paul, Minnesota.

Arngrímsson S. Á, Rosengren K. S., McAuley E., & Evans E.M. (June, 2008). Changes in fat mass have a greater impact on physical function in elderly women than changes in lean mass. American College of Sports Medicine, 2008.

Hur, P., Rosengren, K.S., Horn, G.P., Smith, D., and Hsiao-Wecksler, E.T. (June, 2008). Effect of fatigue and protective clothing on functional balance of firefighters.

Presentation at the 17th Congress of the International Society of Electromyography and Kinesiology, Niagara Falls, Ontario, Canada.

Park, K., Rosengren, K.S., Horn, G.P., Smith, D., and Hsiao-Wecksler, E.T. (June, 2008). Assessing gait changes due to fatigue and protective clothing. Presentation at the 17th Congress of the International Society of Electromyography and Kinesiology, Niagara Falls, Ontario, Canada.

DiBerardino III, L. A., Polk, J. D., Rosengren, K. S., Spencer-Smith, J. B., & Hsiao-Wecksler, E. T. (October, 2008). Assessing gait using elliptical Fourier analysis: Application to simulated injury. SES Conference, Champaign, Illinois.

Rosengren, K.S. (October, 2008). From Scale Errors to Magical Beliefs and Beyond: Children's actions and thoughts at the boundaries. Psychology Department Colloquium, Northwestern University.

Rosengren, K.S. (January, 2009). New approaches to quantifying gait differences due to development, disability, and injury. Colloquium presented at the Rehabilitation Institute of Chicago.

Rosengren, K. S. (March, 2009). Travels of an accidental chemist: Life after Wooster and the value of a liberal arts education. Presentation at Feitschrift for Paul L. Gaus, Wooster Ohio.

Rosengren, K., S., Gutierrez, I. T., & Miller, P. J. (April, 2009). Encountering Death: The use of multiple explanatory models by young children and their parents. Paper to be presented at the Biennial Conference for the Society on Research on Child Development, Denver, Co.

Gutierrez, I. T., Rosengren, K. S., & Miller, P. J. (April, 2009). Children's experiences and understandings of death in a culture that celebrates death. Poster presented at the Biennial Conference for the Society on Research on Child Development, Denver, Co.

Rosengren, K. (April, 2009). Children's action errors: Merely cute or mirrors into the brain? Colloquium presented at the Department of Psychology, University of Chicago.

Rosengren, K. & Polk, J. (June, 2009). Gait ontogeny. NASPSPA Annual Meeting, Austin, TX.

Rosengren, K. (October, 2009). Creationism is not the (only) issue: Developmental constraints on an understanding of evolution. Invited Discussant. Cognitive Development Society.

Rosengren, K. (October, 2009). Invited Round Table Discussant. NeuroAnthropology Conference. Notre Dame University.

Rosengren, K. (November, 2009). Children's understanding of death: A view from across the border. Invited Colloquium, Occidental College.

Rosengren, K. (February, 2010). Children's understanding of death: Perspectives from

the US and Mexico. Invited Colloquium, Chicago Area Religion and Health Research Network Meeting, Rush University Medical School, Chicago, Illinois.

Rosengren, K. (July, 2010). Seeing the trees in the forest of evolution. Invited discussant ICLS Conference, Palmer House, Chicago, Illinois.

Rosengren, K., & French, J. A. (March, 2011). Action errors in childhood: The role of representations and inhibitory control. Invited symposium presentation at the Biennial Conference for the Society on Research on Child Development, Montreal, Canada.

Gutierrez, I. T., & Rosengren, K. S. (March, 2011). The socialization of after life beliefs in two cultures: US and Mexican children's understanding of death and the after life. Invited symposium presentation at the Biennial Conference for the Society on Research on Child Development, Montreal, Canada.

Rosengren, K. S. (March, 2011). Invited discussant, Family interactions in informal science learning. The Biennial Conference for the Society on Research on Child Development, Montreal, Canada.

Tumuluru, S., French, J. A., Schiffman, J., Walco, D., Sozzer, F. H., & Rosengren, K. S. (March, 2011). Grasping errors in infants. Poster presented at Poster presentation at the Biennial Conference for the Society on Research on Child Development, Montreal, Canada.

French, J. A., Herrmann, P. A., & Rosengren, K. S. (March, 2011). Impossible frog: examining children's essentialist biases using metamorphosis. Poster presentation at the Biennial Conference for the Society on Research on Child Development, Montreal, Canada.

Rosengren, K. S. (April, 2012). Action Errors in Young Children. Invited Colloquium, Colby College, Waterville, Maine.

Rosengren, K. S. (April, 2012). Children's Understanding of Death: A view from Across the Border. Invited Colloquium, Colby College, Waterville, Maine.

Rosengren, K. S. (April, 2012). The Magic of Children. Invited Colloquium, College of Wooster, Wooster, Ohio.

Rosengren, K. S. (April, 2012). Tips for Undergraduate Research in Psychology, Invited presentation, College of Wooster, Wooster, Ohio.

Rhoad, A., Bruton, C. M., French, J. A., Gutiérrez, I., T., & Rosengren, K. S. (May, 2012). Evidence for grasping errors in adults. Poster Presented at the Association for Psychological Science, Chicago, IL.

Rosengren, K. (December, 2012). Children's understanding of death: A view from two cultures. Grand Rounds. Seattle Children's Hospital. Seattle, WA.

Rosengren, K. (December, 2012). Children's understanding of death: A view from two cultures. Keynote Address, Symposium hosted by Seattle's Children's Hospital Pastoral and Spiritual Care. Seattle Children's Hospital. Seattle, WA.

Rosengren, K. (December, 2012). Children's questions about death and how parents respond. Invited Lecture, Symposium hosted by Seattle's Children's Hospital Pastoral and Spiritual Care. Seattle Children's Hospital. Seattle, WA.

Rosengren, K. (December, 2012). Children's literature on death: When and how should death be conveyed to children in books? Invited lecture, Symposium hosted by Seattle's Children's Hospital Pastoral and Spiritual Care. Seattle Children's Hospital. Seattle, WA.

Rosengren, K. (December, 2012). The coexistence of religious and biological explanations of death: How to help children arrive at a coherent understanding of death. Invited Lecture, Symposium hosted by Seattle's Children's Hospital Pastoral and Spiritual Care. Seattle Children's Hospital. Seattle, WA.

Rosengren, K. (January, 2013). Action errors in children and adults. Invited colloquium at Northwestern University Prosthetics-Orthotics Center (NUPOC). Chicago, IL.

Rhoad, A., Burton, C., & Rosengren, K. S. (April, 2013). Grasping errors in preschool children. Poster presented at the Biennial Conference of the Society for Research in Child Development. Seattle, WA.

Rosengren, K. S. (October, 2013). Belief systems in children and adults. Rotary Club, Evanston, IL.

Rosengren, K. S. (November, 2013). Bending perception to wish: Deception and Self-deception. Invited Lecture Department of Chemistry as part of Responsible Conduct of Research Training for Graduate Students and Post-Doctoral Researchers in Chemistry. Northwestern University.

Rosengren, K. S. (April, 2014). Action errors in young children. Invited Colloquium Department of Psychology, University of Wisconsin, Madison.

Rosengren, K. S. (April, 2014). Children's understanding of death: A contextual approach. Invited presentation Developmental Area, Departmental of Psychology, University of Illinois at Urbana-Champaign.

Rosengren, K. S., Gutierrez, I., & Miller, P. (October, 2014). Parental "help" in negotiating the bounds of reality. Invited presentation for symposium "How children reason about events at the cusp of possibility. Cognitive Development Society, Columbus, Ohio.

Rosengren, K. S. (November, 2014). Bending perception to wish: Deception and Self-deception. Invited Lecture Department of Chemistry as part of Responsible Conduct of Research Training for Graduate Students and Post-Doctoral Researchers in Chemistry. Northwestern University.

Rosengren, K. S. (November, 2015). Thinking Smarter: In and out of the lab. Invited Lecture Department of Chemistry as part of Responsible Conduct of Research Training for Graduate Students and Post-Doctoral Researchers in Chemistry. Northwestern University.

Rosengren, K. S. (December, 2015). Cognition in Action: Exploring the interaction of cognitive and motor process in the development of children's drawing. Invited presentation Waisman Center – Early Childhood Seminar Series, University of Wisconsin- Madison.

Rosengren, K. S. (April, 2016). Imagining the Impossible: The development of children's magical beliefs. Invited presentation at the Learning and the Brain Conference "The Science of Imagination: Cultivating Child Creativity and Curiosity, Orlando, Florida.

Rosengren, K. S. (April, 2016). Fighting Fires without Falling: Perception and Action in Real World Situations, Invited presentation Department of Psychology, University of Iowa, Iowa City.

Jiang, M. J., Choi, K., Kirkorian, H. L., Travers, B. G., Rosengren, K. S., Pavalko, P. E., Matoba, M. K., Peters, D. E., Millerhagen, J. B., Lee, C., & Sabel, K. (2016, October). The impact of technology on children's drawing. Poster presented at the SRCD Special Topic Meeting: Technology and Media in Children's Development.

Choi, K., Jiang, M. J., Kirkorian, H. L., Travers, B. G., Rosengren, K. S., Jobin, P., Pavalko, P. E., Matoba, M., & Tolkin, E. (2016, May). Drawing across mediums: The impact of technology on the quality of drawings. Poster presented at the Annual Convention of the Association for Psychological Sciences.

Rosengren, K. S. (December, 2016). Children's understanding of death. Invited presentation Waisman Center – Early Childhood Seminar Series, University of Wisconsin- Madison.

Jiang, M. J., & Rosengren, K. S. (April, 2017). Reasons for encouraging or discouraging children's fantasy beliefs: How do grandparents compare to parents? Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

Jiang, M. J., Choi, K., Kirkorian, H., Travers, B. G., Rosengren, K. S., Millerhagen, J., Lee, C., & Haugstad, N. (April, 2017). Drawing across mediums: The impact of technology on the quality and production of drawings. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.

Menendez, D., Rosengren, K. S., & Alibali, M. W. (April, 2017). Do details bug you? Effects of representational richness in learning about biological change. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, Texas.