

## CURRICULUM VITAE

**Celia A. Brownell**

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**Education**

1982            Ph.D. Developmental Psychology  
                   Institute of Child Development, University of Minnesota, Minneapolis,  
                   Minnesota  
 1974            B.S. with High Distinction, Psychology  
                   University of Michigan, Ann Arbor, Michigan

**Academic Positions**

1982 – present      Assistant, Associate, & Full Professor, University of Pittsburgh  
 1999 – 2008        Director of Graduate Studies, Department of Psychology  
 1990 – 1999        Chair, Graduate Program in Developmental Psychology  
 1979 – 1982        Instructor, University of South Carolina  
 1978 – 1979        Lecturer, University of Minnesota, Institute of Child Development

**Honors & Awards**

2007                Fellow, American Psychological Association, Division 7  
 2007                University of Queensland Travel Award for International Research  
 2006                University of Pittsburgh Provost Award for Excellence in Mentoring  
 1999                Nominee, University of Pittsburgh Tina & David Bellet Undergraduate  
                          Teaching Excellence Award  
 1984                Foundation for Child Development, Award for Young Scholars in Social &  
                          Affective Development  
 1974 – 1978        NIMH Predoctoral Fellowship

**Editorial Activities**

2005 - present            Associate Editor, *Infancy*  
 2006 - present; 1984 -1990    Editorial Board, *Child Development*

2002 - present	Editorial Board, <i>Social Development</i>
1998 - 2008	Editorial Board, <i>Journal of School Psychology</i>
2004 - 2005	Chair, Peer Relationships Review Panel, Society for Research in Child Development Biennial Meeting
1999 - 2005	Editorial Board, <i>Infancy</i>
1999	Guest editor, Invited Special Issue on Early Peer Relations, <i>Early Education and Development</i>
1993	Chair, Social & Personality Review Panel, Conference on Human Development Biennial Meeting
1991	Guest editor, Special Issue on Early Self Development, <i>Developmental Review</i>
1988	Co-chair, Division C, Section 2, AERA Annual Meeting

### Professional Memberships

Society for Research in Child Development  
 International Society for Infant Studies  
 American Psychological Association (Division 7, Developmental Psychology)  
 Jean Piaget Society

### Publications

Brownell, C. (in press). Children's peer groups. To appear in J. Levine & M. Hogg (Eds.), *Encyclopedia of Group Processes & Intergroup Relations*. Thousand Oaks, CA: Sage Publications.

Brownell, C., Nichols, S., Svetlova, M., Zerwas, S. & Ramani, G. (in press). The head bone's connected to the neck bone: When do toddlers represent their own body topography? *Child Development*.

Brownell, C. & Zerwas, S. (in press). Families. To appear in J. Levine & M. Hogg (Eds.), *Encyclopedia of Group Processes & Intergroup Relations*. Thousand Oaks, CA: Sage Publications.

NICHD Early Child Care Research Network. (in press). Family-peer linkages: The mediational role of attentional processes. *Social Development*.

Nichols, S., Svetlova, M. & Brownell, C. (in press). Toddlers' understanding of peers' emotions. *Journal of Genetic Psychology*.

Ramani, G., Brownell, C. & Campbell, S. (in press). Peer social competence and self-regulation in the preschool years. *Journal of Genetic Psychology*.

Slaughter, V. & Brownell, C. (Eds.) *Early development of body representations*. Cambridge, UK: Cambridge Press. (under contract).

Brownell, C., Svetlova, M. & Nichols, S. (2009). To share or not to share: When do toddlers respond to another's needs? *Infancy, 14*(1), 117 - 130.

NICHD Early Child Care Research Network. (2008). Social competence with peers in third grade: Associations with earlier peer experiences in childcare. *Social Development, 17*, 419 - 453.

Brownell, C., Zerwas, S. & Ramani, G. (2007). "So Big": The development of body self-awareness in toddlers. *Child Development, 78*, 1426 - 1440.

Brownell, C. & Kopp, C. (Eds.) (2007) *Transitions in Early Socioemotional Development: The Toddler Years*. New York: Guilford Press.

Brownell, C. & Kopp, C. (2007). Transitions in toddler socioemotional development: Behavior, understanding, relationships. In C. Brownell & C. Kopp (Eds.), *Transitions in Early Socioemotional Development: The Toddler Years*. New York: Guilford Press.

Brownell, C., Ramani, G. & Zerwas, S. (2006). Becoming a social partner with peers: Cooperation and social understanding in one- and two-year-olds. *Child Development, 77*, 804 - 821.

Brownell, C., Nichols, S. & Svetlova, M. (2005). Early development of shared intentionality with peers. (Invited commentary) *Behavioral & Brain Sciences, 28*, 693-694.

NICHD Early Child Care Research Network. (Eds.). (2005). *Child care and child development: Results from the NICHD Study of Early Child Care and Youth Development*. New York: Guilford Press.

Campbell, S., Brownell, C., Hungerford, A., et al (2004). The course of maternal depressive symptoms and maternal sensitivity as predictors of attachment security at 36 months. *Development and Psychopathology, 16*, 231-252

Zerwas, S., Balaraman, G. & Brownell, C. (2004). Constructing an understanding of mind with peers. (Invited commentary) *Behavioral & Brain Sciences, 27*, 130-131.

NICHD Early Child Care Research Network. (2004) Trajectories of physical aggression from toddlerhood to middle childhood: Predictors, correlates, and outcomes. *SRCD Monographs, 69* (4), Serial No. 278.

NICHD Early Child Care Research Network. (2004). Affect dysregulation in the mother-child relationship in the toddler years: Antecedents and consequences. *Development and Psychopathology, 16*, 43-68.

Brownell, C. & Gifford-Smith, M. (2003). Context & development in children's school-based

peer relations: Implications for research and practice. *Journal of School Psychology, 41*, 305 - 310.

Gifford-Smith, M. & Brownell, C. (2003). Childhood peer relationships: Social acceptance, friendships & peer networks. *Journal of School Psychology, 41*, 235 – 284. (Invited target article; *JSP*'s most downloaded article, 2003)

NICHD Early Child Care Research Network. (2003). Social functioning in first grade: Associations with earlier home and child care predictors and with current classroom experiences. *Child Development, 74*, 1639 -1662.

Brownell, C., Zerwas, S., & Balaraman, G. (2002). Peers, cooperative play, and the development of empathy in children. (Invited commentary). *Behavioral & Brain Sciences, 25*, 28-30.

NICHD Early Child Care Research Network. (2001). Child care and children's peer interaction at 24 and 36 months: The NICHD Study of Early Child Care. *Child Development, 72*, 1478-1500.

Hungerford, A., Brownell, C., & Campbell, S. (2000). Infant child care in the 1990's: Implications for infant mental health. In C. Zeanah (Ed.), *Handbook of infant mental health* (2nd Edition). New York: Guilford. (pp. 519-532)

Kelley, S., Brownell, C., & Campbell, S. (2000). Mastery motivation and self-evaluative affect in toddlers: Longitudinal relations with maternal behavior. *Child Development, 71*, 1061-1071.

NICHD Early Child Care Research Network. (2000). The relation of child care to cognitive and language development. *Child Development, 71*, 960-980.

Brownell, C. & Hazen, N. (1999). Early peer interaction: A research agenda. *Early Education and Development, 10*, 403- 413.

Hazen, N. & Brownell, C. (1999). Peer relationships in early childhood: Current trends and future directions. *Early Education and Development, 10*, 233-240.

Brownell, C. & Hazen, N. (Eds) (1999). *Early Peer Relations*, invited special issue of *Early Education and Development, 10* (3).

NICHD Early Child Care Research Network. (1998). Early child care and self-control, compliance and problem behavior at twenty-four and thirty-six months. *Child Development, 69*, 1145-1170.

DeCooke, P., & Brownell, C. (1995). Young children's help-seeking in mastery-oriented contexts. *Merrill-Palmer Quarterly, 41*, 229-246.

- Brownell, C., & Brown, E. (1992). Peers and play in infants and toddlers. In V. Van Hasselt & M. Hersen (Eds.), *Handbook of social development*. NY: Plenum.
- Brownell, C., & Kopp, C. (1991). Common threads, diverse solutions: Concluding commentary. *Developmental Review, 11*, 288-303.
- Kopp, C., & Brownell, C. (1991). Introduction to the development of self: The first 3 years. *Developmental Review, 11*, 195-197.
- Kopp, C., & Brownell, C. (Eds.). (1991). The development of self: The first three years. Invited special issue of *Developmental Review, 11*(3).
- Brownell, C., & Carriger, M. (1991). Collaborations among toddler peers: Individual contributions to social contexts. In L. Resnick, J. Levine, & S. Teasley (Eds.). *Perspectives on socially shared cognition*. Washington, D.C.: APA.
- (1998) Reprinted in M. Woodhead, D. Faulkner, & K. Littleton (Eds), *Cultural Worlds of Early Childhood*. London: Routledge Press.
- Brownell, C. (1990). Peer social skills in toddlers: Competencies and constraints illustrated by same-age vs. mixed-age interaction. *Child Development, 61*, 838-848.
- Brownell, C., & Carriger, M. (1990). Changes in cooperation and self-other differentiation during the second year. *Child Development, 61*, 1164-1174.
- Brownell, C. (1989). Socially shared cognition: The role of social context in the construction of knowledge. In L.T. Winegar (Ed.), *Social interaction and the development of children's understanding*. Norwood, NJ: Ablex.
- Hartup, W., & Brownell, C. (1988). Early social development: Transitions & concordances. *Eta Evolutiva, 29*, 5-17.
- Brownell, C. (1988). Combinatorial skills: Converging developments over the second year. *Child Development, 59*, 675-685.
- Brownell, C. (1986). Convergent developments: Cognitive-developmental contributions to the growth of toddler peer skills. *Child Development, 56*, 275-286.
- Brownell, C. (1986). Cognitive correlates of infant social development. In G. Whitehurst (Ed.), *Annals of Child Development, vol. 3*, 1-51. Connecticut: JAI Press.
- Maloni, J., Stegman, C., Brownell, C., & Taylor P. (1986). Validation of infant behavior identified by neonatal nurses. *Nursing Research, 35*, 133-138.
- Brownell, C., & Strauss, M. (1984). Infant stimulation and development: Conceptual and

empirical considerations. *Journal of Children in Contemporary Society*, 17, 109-130.

(1985). Reprinted in M. Frank (Ed.), *Infant Intervention Programs: Truths & Untruths*. New York: Haworth.

Strauss, M., & Brownell, C. (1984). A commentary on infant stimulation and intervention. *Journal of Children in Contemporary Society*, 17, 133-139.

(1985). Reprinted in M. Frank (Ed.). *Infant Intervention Programs: Truths & Untruths*. New York: Haworth.

Brownell, C., & Hartup, W. (1981). Indeterminate and sequential goal structures in relation to task performance in children's small groups. *Child Development*, 52, 651-659.

Pick, A., Unze, M., Brownell, C., Drozdal, J., & Hopmann, M. (1978). Young children's knowledge of word structure. *Child Development*, 49, 669-680.

French, D., Brownell, C., Graziano, W., & Hartup, W. (1977). Effects of cooperative, competitive, and individualistic sets on performance in children. *Experimental Child Psychology*, 24, 1-10.

Miller, S., Brownell, C., & Zukier, H. (1977). Cognitive certainty in children: Effect of concept, developmental level, and method of assessment. *Developmental Psychology*, 13, 236-245.

Graziano, W., French, D., Brownell, C., & Hartup, W. (1976). Peer interaction in same and mixed-age triads in relation to chronological age and incentive condition. *Child Development*, 47, 707-714.

Miller, S.A. & Brownell, C.A. (1975). Peers, persuasion, and Piaget: Dyadic interaction between conservers and nonconservers. *Child Development*, 46, 992-997.

(1977). Reprinted in Hetherington, E.M. and Parke, R.D. (Eds.), *Contemporary Readings in Child Psychology*. New York: McGraw-Hill Book Company.

### **Submitted Papers**

Svetlova, M., Nichols, S. & Brownell, C. (under review). When toddlers help: The roles of social understanding and altruistic motivation

Zerwas, S. & Brownell, C. (under revision). Partners in pretend: Social experiences with mothers and peers in the development of three-year-olds' pretend play.

### **NICHD Study of Early Child Care**

**Note:** I am a member of the NICHD Early Child Care Research Network and a contributing author to the listed papers. In recognition of the collaborative nature of the study, the Network publishes all research pertaining to its core hypotheses under the corporate banner rather than by individually named authors. The papers listed in the prior section represent those on which I functioned as a primary author.

### Submitted

Belsky, J., Steinberg, L., Houts, R., Friedman, S., et al, & NICHD Early Child Care Research Network. (under review). Family Rearing Antecedents of Pubertal Timing

Booth-LaForce, C., Hartup, W. W., Houts, R. M., Crosnoe, R., & NICHD Early Child Care Research Network. (under review). A typology of friendship experience in middle childhood.

Clarke-Stewart, K. A., Vandell, D. L., Parke, R. D., & NICHD Early Child Care Research Network. (under review). Location, location, location: Neighborhood effects on psychological problems in third grade.

NICHD Early Child Care Research Network. (under review). Asthma pathogenesis: Child care, parenting stress, and the productive activity hypothesis. *Journal of Developmental and Behavioral Pediatrics*.

NICHD Early Child Care Research Network. (under review). Physical activity and body mass index in third grade children: Individual, family, social, and academic correlates. *Journal of Developmental and Behavioral Pediatrics*.

NICHD Early Child Care Research Network. (under review) The impact of fathers' support for child autonomy on early achievement in school. *Developmental Psychology*.

NICHD Early Child Care Research Network. (under review). Patterns of developmental change in infant's nighttime sleep awakenings from six through thirty six months of age.

Spieker, S. J., Campbell, S. B., Vandergrift, N., Pierce, K. M., Cauffman, E., Susman, E. J., Roisman, G. I., & NICHD Early Child Care Research Network. (under review). Relational aggression in middle childhood: Predictors and early adolescent outcomes.

### In Press

Campbell, S. B., Spieker, S., Vandergrift, N., Belsky, J., Burchinal, M., & NICHD Early Child Care Research Network. (in press). Predictors and sequelae of trajectories of physical aggression in school-age boys and girls. *Development and Psychopathology*.

Crosnoe, R., Leventhal, T., Wirth, R., Pierce, K., Pianta, R. & NICHD Early Child Care Research Network. (in press). Family Socioeconomic Status and Consistent

Environmental Stimulation in Early Childhood, *Child Development*.

NICHD Early Child Care Research Network. (in press). Testing a series of causal propositions relating time spent in child care to children's externalizing behavior. *Developmental Psychology*.

NICHD Early Child Care Research Network. (in press). Frequency and intensity of activity of third- grade children in physical education. *Archives of Pediatrics and Adolescent Medicine*.

NICHD Early Child Care Research Network. (in press). Oral language and reading: Continuing the dialogue with Storch. *Developmental Psychology*.

NICHD Early Child Care Research Network. (in press). The relations of classroom contexts in the early elementary years to children's classroom and social behavior. In A. C. Huston & M. N. Ripke (Eds.), *Developmental contexts in middle childhood: Bridges to adolescence and adulthood*. New York: Cambridge University Press.

Roisman, G. I., Booth-LaForce, C., Cauffman, E., Spieker, S., & NICHD Early Child Care Research Network. (in press). The developmental significance of adolescent romantic relationships: Parent and peer predictors of engagement and quality at age 15. *Journal of Youth and Adolescence*.

Roisman, G. I., Susman, E., Barnett-Walker, K., Booth-LaForce, C., Owen, M. T., Belsky, J., Bradley, R. H., Houts, R., Steinberg, L., & NICHD Early Child Care Research Network. (in press). Early family and child-care antecedents of awakening cortisol levels in adolescence. *Child Development*.

Vandell, D. L., Belsky, J., Burchinal, M., Steinberg, L., & NICHD Early Child Care Research Network. (in press). Do effects of early child care extend to age 15 years? *Child Development*.

## 2008

Bradley, R. H., Nader, P., O'Brien, M., Houts, R., Belsky, J., Crosnoe, R., and NICHD Early Child Care Research Network. (2008). Adiposity and internalizing problems: Infancy to middle childhood. In H. D. Davies & H. E. Fitzgerald (Set Eds.) & H. E. Fitzgerald & V. Mousouli (Vol. Eds.), *Obesity in childhood and adolescence: Vol. 2. Understanding development and prevention* (pp. 73-91). Westport, CT: Praeger.

Bradley, R. H., Houts, R., Nader, P., O'Brien, M., Belsky, J., Crosnoe, R., & NICHD Early Child Care Research Network. (2008). The relationship between body mass index and behavior in children. *The Journal of Pediatrics*, 153(5), 629-634.

Nader, P. R., Bradley, R. H., Houts, R. M., McRitchie, S. L., O'Brien, M., & NICHD Early Child Care Research Network. (2008). Moderate-to-vigorous physical activity from ages

9 to 15 years. *Journal of the American Medical Association*, 300(3), 295-305.

NICHD Early Child Care Research Network. (2008). Mothers' and fathers' support for child autonomy and early school achievement. *Developmental Psychology*, 44(4), 895-907.

Pianta, R. C., Belsky, J., Vandergrift, N., Houts, R., Morrison, F., & NICHD Early Child Care Research Network. (2008). Classroom effects on children's achievement trajectories in elementary school. *American Educational Research Journal*, 45(2), 365-397.

### 2007

Belsky, J., Steinberg, L. D., Houts, R. M., Friedman, S. L., de Hart, G., Cauffman, E., Roisman, G. I., Halpern-Felsher, B. L., Susman, E., & NICHD Early Child Care Research Network. (2007). Family rearing antecedents of pubertal timing. *Child Development*, 78(4), 1302-1321.

Belsky, J., Vandell, D. L., Burchinal, M., Clarke-Stewart, K. A., McCartney, K., Owen, M. T., & NICHD Early Child Care Research Network. (2007). Are there long-term effects of early child care? *Child Development*, 78(2), 681-701.

NICHD Early Child Care Research Network. (2007). Age of entry to kindergarten and children's academic and socioemotional development. *Early Education and Development*, 18, 337-368.

O'Brien, M., Nader, P. R., Houts, R. M., Bradley, R., Friedman, S. L., Belsky, J., Susman, E., & NICHD Early Child Care Research Network. (2007). The ecology of childhood overweight: A 12-year longitudinal analysis. *International Journal of Obesity*, 31(9), 1469-1478.

Pianta, R. C., & NICHD Early Child Care Research Network. (2007). Developmental science and education: The NICHD Study of Early Child Care and Youth Development findings from elementary school. In R. Kail (Ed.), *Advances in child development and behavior* (Vol. 33, pp. 254-296). New York: Academic.

Pianta, R. C., Belsky, J., Houts, R., Morrison, F., & NICHD Early Child Care Research Network. (2007, March 30). Opportunities to learn in America's elementary classrooms. *Science*, 315, 1795-1796.

### 2006 & earlier

Campbell, Spieker, Burchinal, Poe, and NICHD ECCRN. (2006). Trajectories of aggression from toddlerhood to age 9 predict academic and social functioning through age 12. *Journal of Child Psychology and Psychiatry*, 47, 791-800.

NICHD Early Child Care Research Network. (2006). Infant-mother attachment: Risk and

protection in relation to changing maternal caregiving quality over time. *Developmental Psychology* 42 , 38-58.

NICHD Early Child Care Research Network. (2006). Child care effect sizes for the NICHD Study of Early Child Care and Youth Development. *American Psychologist*, 61, 99-116.

NICHD Early Child Care Research Network. (2005). Predicting individual differences in attention, memory, and planning in first graders from experiences at home, child care, and school. *Developmental Psychology*, 41, 99-114.

NICHD Early Child Care Research Network. (2005). A day in third grade: A large-scale study of classroom quality and teacher and student behavior. *The Elementary School Journal*, 105, 305-323.

NICHD Early Child Care Research Network. (2005). Pathways to reading: The role of oral language in the transition to reading. *Developmental Psychology*, 41, 428-442.

NICHD Early Child Care Research Network. (2005). Duration and developmental timing of poverty and children's cognitive and social development from birth through third grade. *Child Development*, 76, 795-810.

NICHD Early Child Care Research Network. (2005). Early child care and children's development in the primary grades: Follow-up results from the NICHD Study of Early Child Care. *American Educational Research Journal*, 42, 537-570.

NICHD Early Child Care Research Network. (2004). Father's and mother's parenting behavior and beliefs as predictors of child social adjustment in the transition to school. *Journal of Family Psychology*, 18 (4), 628-638.

NICHD Early Child Care Research Network. (2004). Does class size in first grade relate to changes in child academic and social performance or observed classroom processes? *Developmental Psychology*, 40, 651-664.

NICHD Early Child Care Research Network. (2004). Type of child care and children's development at 54 months. *Early Childhood Research Quarterly*, 19, 203-230.

NICHD Early Child Care Research Network. (Spring 2004). Multiple pathways to early academic achievement. *Harvard Educational Review*, 1-29.

NICHD Early Child Care Research Network. (2004). Are child developmental outcomes related to before-and after-school care arrangements? Results from the NICHD Study of Early Child Care. *Child Development*, 75, 280-295.

NICHD Early Child Care Research Network (2003). Families matter—even for kids in child care. *Journal of Developmental and Behavioral Pediatrics*, 24, 58-62.

- NICHD Early Child Care Research Network. (2003). Child care and common communicable illnesses in children aged 37 to 54 months. *Archives of Pediatrics & Adolescent Medicine*, *157*, 196-200.
- NICHD Early Child Care Research Network. (2003). Frequency and intensity of activity of third-grade children in physical education. *Archives of Pediatrics & Adolescent Medicine*, *157*, 185-190.
- NICHD Early Child Care Research Network. (2003) Does quality of child care affect child outcomes at age 4 ½? *Developmental Psychology*, *39*, 451-469.
- NICHD Early Child Care Research Network. (2003). The NICHD Study of Early Child Care: Contexts of development and developmental outcomes over the first seven years of life. In J. Brooks-Gunn & L. J. Berlin (Eds). *Early childhood development in the 21st century*. (pp. 182-201). New York: Teachers College Press.
- NICHD Early Child Care Research Network. (2003). Do children's attention processes mediate the link between family predictors and school readiness? *Developmental Psychology*, *39*, 581-593.
- NICHD Early Child Care Research Network. (2003). Does amount of time spent in child care predict socioemotional adjustment during the transition to kindergarten? *Child Development*, *74*, 976-1005.
- NICHD Early Child Care Research Network & Duncan, G. J. (2003). Modeling the impacts of child care quality on children's preschool cognitive development. *Child Development*, *74*, 1454-1475.
- NICHD Early Child Care Research Network (2003). Early child care and mother-child interaction from 36 months through first grade. *Infant Behavior and Development*, *26*, 345-370.
- NICHD Early Child Care Research Network. (2003). Child care in the world--past and present: Does amount of time spent in child care predict socioemotional adjustment during the transition to kindergarten? *The Journal of the Japan Society for Child Health*, *62*, 418-431.
- NICHD Early Child Care Research Network. (2002). Structure>Process>Outcome: Direct and indirect effects of caregiving quality on young children's development. *Psychological Science*, *13*, 199-206.
- NICHD Early Child Care Research Network. (2002). The relation of first grade classroom environment to structural classroom features, teacher, and student behaviors. *The Elementary School Journal*, *102*, 367-387.

- NICHD Early Child Care Research Network. (2002). The interaction of child care and family risk in relation to child development at 24 and 36 months. *Journal of Applied Developmental Science*, 6, 144-156.
- NICHD Early Child Care Research Network (2001). Child care and common communicable illnesses. *Archives of Pediatrics & Adolescent Medicine*, 155, 481-488.
- NICHD Early Child Care Research Network. (2001). Parenting and family influences when children are in child care: Results from the NICHD Study of Early Child Care. In J. Borkowski, S. Ramey, & Bristol-Power, M. (Eds.), *Parenting and the child's world: Influences on intellectual, academic, and social-emotional development* (99-124). Mahwah, NJ: Erlbaum.
- NICHD Early Child Care Research Network. (2001). Nonmaternal care and family factors in early development: An overview of the NICHD Study of Early Child Care. *Journal of Applied Developmental Psychology*, 22, 559-579.
- NICHD Early Child Care Research Network. (2001). Child care and family predictors of MacArthur preschool attachment and stability from infancy. *Developmental Psychology*, 37, 847-862.
- NICHD Early Child Care Research Network. (2001). Before Head Start: Income and ethnicity, family characteristics, child care experiences and child development. *Early Education and Development*, 12, 545-576.
- NICHD Early Child Care Research Network. (2000). Factors associated with fathers' caregiving activities and sensitivity with young children. *Journal of Family Psychology*, 14, 200-219.
- NICHD Early Child Care Research Network. (2000). Characteristics and quality of child care for toddlers and preschoolers. *Applied Developmental Science*, 4, 116-135.
- NICHD Early Child Care Research Network. (1999). Child outcomes when child care center classes meet recommended standards for quality. *American Journal of Public Health*, 89, 1072-1077.
- NICHD Early Child Care Research Network. (1999). Chronicity of maternal depressive symptoms, maternal sensitivity, and child functioning at 36 months. *Developmental Psychology*, 35, 1297-1310.
- NICHD Early Child Care Research Network. (1999). Child care and mother-child interaction in the first three years of life. *Developmental Psychology*, 35, 1399-1413.
- NICHD Early Child Care Research Network. (1998). Relations between family predictors and child outcomes: Are they weaker for children in child care? *Developmental Psychology*, 34, 1119-1128.

- NICHD Early Child Care Research Network. (1997). Poverty and patterns of child care. In J. Brooks-Gunn & G. Duncan (Eds.), *Consequences of Growing up Poor* (pp. 100-131). New York: Russell-Sage.
- NICHD Early Child Care Research Network. (1997). Familial factors associated with the characteristics of nonmaternal care for infants. *Journal of Marriage and the Family*, 59, 389-408.
- NICHD Early Child Care Research Network. (1997). Child care in the first year of life. *Merrill-Palmer Quarterly*, 43, 340-360.
- NICHD Early Child Care Research Network. (1997). The effects of infant child care on infant-mother attachment security: Results of the NICHD Study of Early Child Care. *Child Development*, 68, 860-879.
- NICHD Early Child Care Research Network. (1996). Characteristics of infant child care: Factors contributing to positive caregiving. *Early Childhood Research Quarterly*, 11, 269-306.
- NICHD Early Child Care Research Network. (1994). Child care and child development: The NICHD Study of Early Child Care. In S. L. Friedman and H. C. Haywood (Eds.), *Developmental follow-up: Concepts, domains, and methods* (pp. 377-396). New York: Academic Press.
- NICHD Early Child Care Research Network. (1993). Child-care debate: Transformed or distorted? *American Psychologist*, 48, 692-693.

#### **Recent Conference Presentations (2000 – present)**

- Brownell, C. (2009). Development of cooperation among toddler peers: Joint action & self-other differentiation. Invited presentation for *Conference on Joint Action: New Perspectives from Cognitive Neuroscience*. Amsterdam, Netherlands.
- Brownell, C. (2009). Perspectives on the early development of collaboration. Invited symposium discussant, *Society for Research in Child Development*, Denver, CO.
- Nichols, S., Svetlova, M., Henderson, C., Khatami, M., Posti, E., & Brownell, C. (2009). Baby, I Feel Your Pain: Development of Toddlers' Empathic Responses to a Peer's Distress. Presented at *Society for Research in Child Development*, Denver, CO.
- Svetlova, M., Nichols, S. & Brownell, C. (2009). When My Loss Is Your Gain: Do Toddlers Help at a Cost to Themselves? Invited symposium presentation, *Society for Research in Child Development*, Denver, CO.
- Svetlova, M., Anderson, R., Nichols, S., & Brownell, C. (2009). "What Does She Need to Make

Her Happy?": Relations Between Parental Mental State Language and Prosocial Responsiveness in Toddlers. Presented at *Society for Research in Child Development*, Denver, CO.

Brownell, C. (2009). Developmental and Individual Differences in Early Social Understanding and Prosocial Behavior. Invited presentation, *Eastern Psychological Association Annual Conference*, Pittsburgh, PA.

Brownell, C., Svetlova, M. & Nichols, S. (2009). You, me & we: Transformations in early prosocial behavior. Invited symposium presentation, *Experimental Psychology Society Conference*, London, UK.

Nichols, S., Svetlova, M., Posti, E., Henderson, C. & Brownell, C. (2008). Twelve-month-olds understand fear in adults, but not in children. Presented at the *International Conference for Infant Studies*, Vancouver.

Svetlova, M., Nichols, S. & Brownell, C. (2008). Prosocial behavior in toddlers: Developments in empathic responsiveness, sharing, & helping. Invited symposium presentation, *International Conference for Infant Studies*, Vancouver.

Svetlova, M., Nichols, S., Anderson, R., Khatami, M., & Brownell, C. (2008). Helping behavior in the second year: Actions vs. emotions. Presented at the *International Conference for Infant Studies*, Vancouver.

Brownell, C., Zerwas, S., Ramani, G., Nichols, S. & Svetlova, M. (2007). Development of body image in toddlers. Presented at the meetings of *The Jean Piaget Society*, Amsterdam, 2007.

Brownell, C., Zerwas, S., Ramani, G., Nichols, S. & Svetlova, M. (2007). Objective representations of one's own body: Early developments in awareness of the size & topography of one's body. Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.

Brownell, C., Svetlova, M., Nichols, S., Zerwas, S., Ramani, G., & Rinberg, Y. (2007) "The head bone's connected to the neck bone": Toddlers' knowledge of their own body topography. Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.

Nichols, S., Svetlova, M. & Brownell, C. (2007). "She got one too!": Will young children socially reference an older child? Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.

Nichols, S., Svetlova, M., Volper, A. & Brownell, C. (2007). "Hush, baby": Infants' understanding of and responding to other children's emotions. Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.

- Svetlova, M., Nichols, S., Brownell, C.A., Stern, H., Sivers, S., & Yarrison, E. (2007). Development of empathy toward peers in the second year of life. Presented at the meetings of *The Jean Piaget Society*, Amsterdam, 2007.
- Svetlova, M., Nichols, S., Shuck, L. & Brownell, C. (2007). "What's mine is mine and what's yours is...": Development of sharing in toddlers. Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.
- Svetlova, M., Nichols, S., Volper, A., & Brownell, C. (2007). "Cry, baby, cry": Do toddlers respond to infants' distress? Presented at the meetings of *Society for Research in Child Development*, Boston, MA, 2007.
- Brownell, C., Svetlova, M., Nichols, S., Zerwas, S. & Ramani, G. (2006). Self understanding and body self-awareness in toddlers. Poster presented at the *International Conference for Infant Studies*, Kyoto, Japan.
- Brownell, C., Nichols, S., Svetlova, M., Zerwas, S. & Ramani, G. (2006). "Where's your nose": Toddlers' knowledge of their own body topography. Poster presented at the *International Conference for Infant Studies*, Kyoto, Japan.
- Svetlova, M., Nichols, S., & Brownell, C. (2006). My body's not just anybody: Development of bodily self-awareness in toddlers. Poster presented at the meetings of the *American Psychological Society*, New York, NY.
- Brownell, C. (2005). Development of self understanding in toddlers. Invited presentation, meetings of the *Jean Piaget Society*, Vancouver, BC.
- Brownell, C. (2005). Toddlers in wonderland: Development of bodily self-awareness. Invited presentation, University of North Carolina-Greensboro.
- Brownell, C. (2005). The development of cooperation: Lessons from peers, siblings, autistic children, and chimpanzees. Invited symposium discussant, *Society for Research in Child Development*, Atlanta, GA.
- Balaraman, G., Zerwas, S. & Brownell, C. (2005). Joint play & cooperative problem-solving in young children. Poster presented at the meetings of the *Society for Research in Child Development*, Atlanta, GA.
- Nichols, S., Brownell, C., Balaraman, G. & Zerwas, S. (2005). Does mental state language relate to cooperative play and problem solving in toddler peers? Poster presented at the meetings of the *Society for Research in Child Development*, Atlanta, GA.
- Zerwas, S. & Brownell, C. (2005). Solitary pretend and peer play in preschoolers: The role of social problem solving. Poster presented at the meetings of the *Society for Research in Child Development*, Atlanta, GA.

- Brownell, C.A., Balaraman, G.R., Zerwas, S., Adalja, A., & Sancaktar, M. (2004). Through the looking glass: Toddlers' scale errors with self and dolls. Poster presented at the *International Conference for Infant Studies*, Chicago, IL.
- Brownell, C.A., Balaraman, G.R., Zerwas, S., & Adalja, A. (2004). Toddlers in wonderland: Scale errors and self-understanding. Poster presented at the *International Conference for Infant Studies*, Chicago, IL.
- Balaraman, G.R., Brownell, C.A., Zerwas, S., & Kimmel, A. (2004). Relations between temperament and early peer interaction in toddlers' joint play and cooperative problemsolving. Poster presented at the *International Conference for Infant Studies*, Chicago, IL.
- Zerwas, S., Brownell, C.A., Balaraman, G.R., & Adalja, A. (2004). My size or the doll's size? Doll play and scale errors in toddlers. Poster presented at the *International Conference for Infant Studies*, Chicago, IL.
- Brownell, C. (2003). Preschool peer relationships. Invited workshop. Presented at the 12<sup>th</sup> *Biennial Preconference on Peer Relationships in Childhood and Adolescence*, Tampa, FL
- Brownell, C. (2003). Friendships and social understanding in preschool peer relationships. Invited symposium discussant, *Society for Research in Child Development*, Tampa, FL
- Brownell, C., Balaraman, G., Zerwas, S., et al (2003). Peer social skill and social understanding in toddlers: Joint play, joint attention, and cooperation. Poster presented at the meetings of the *Society for Research in Child Development*, Tampa, FL
- Brownell, C. (2003). Developmental outcomes: NICHD Study of Early Child Care. Poster presented at the meetings of the *Society for Research in Child Development*, Tampa, FL
- Balaraman, G. & Brownell, C. (2003). Children's self-regulation and peer interaction at 36 and 54 months. Poster presented at the meetings of the *Society for Research in Child Development*, Tampa, FL
- Zerwas, S. & Brownell, C. (2003). Partners in pretense: Contributions of mothers and peers to early social pretend play. Poster presented at the meetings of the *Society for Research in Child Development*, Tampa, FL
- Brownell, C., Balaraman, G., Mariaskin, A., Perseo, K. & Zerwas, S. (2002). Joint play & cooperative problem-solving in toddlers: Relations between social skill & social understanding. Presented at the *International Conference on Infant Studies*, Toronto, ONT.
- Brownell, C. & Mariaskin, A. (2002). Toddler peer interaction: Associations with emotion socialization and temperament. Presented at the *International Conference on Infant Studies*,

Toronto, ONT.

Balaraman, G. & Brownell, C. (2002). Emotion regulation and peer social competence in preschool children. Presented at the *International Conference on Infant Studies*, Toronto, ONT.

Zerwas, S. & Brownell, C. (2002). Pretend play in preschoolers: Associations with family and child care experience. Presented at the *International Conference on Infant Studies*, Toronto, ONT.

Brownell, C., Rostow, A. & Cass, L. (2001). If you're happy and you know it, clap your hands: Children assess their own happiness. Presented at meetings of the *Society for Research in Child Development*, Minneapolis, MN.

Brownell, C. (2001). The NICHD Study of Early Child Care: Outcome measures in the Phase I data set. Presented at meetings of the *Society for Research in Child Development*, Minneapolis, MN.

Brownell, C. (2001). Ecology of early peer relationships and experiences. Invited presentation for the *11<sup>th</sup> Biennial Preconference on Peer Relationships in Childhood and Adolescence*, Minneapolis, MN.

Brownell, C. (2001). Peer relationships and child care experience: The NICHD Study of Early Child Care. Invited symposium paper, *APA*, San Francisco, CA.

Brownell, C. & Nemeth, M. (2000). Do young infants respond differently to people vs. objects? Presented at the *International Conference on Infant Studies*, Brighton, England.

Brownell, C. (2000). Measures of children's development in the Phase I data set of the NICHD study of early child care. Presented at the *International Conference on Infant Studies*, Brighton, England.

#### **Recent Invited Presentations & Publications (2000 – present) \***

Nichols, S., Svetlova, M., & Brownell, C. (in preparation). Individual differences in empathy toward peers and adults in the second year of life. Invited paper for special issue, *Cognition, Brain, Behavior*, "Empathy Development - Insights from Early Years"

Brownell, C. (November, 2009). Development of cooperation among toddler peers: Joint action & self-other differentiation. Invited presentation for *Conference on Joint Action: New Perspectives from Cognitive Neuroscience*. Amsterdam, Netherlands.

Brownell, C. (in press). Children's peer groups. To appear in J. Levine & M. Hogg (Eds.), *Encyclopedia of Group Processes & Intergroup Relations*. Thousand Oaks, CA: Sage Publications. (invited chapter)

- Brownell, C. & Zerwas, S. (in press). Families. To appear in J. Levine & M. Hogg (Eds.), *Encyclopedia of Group Processes & Intergroup Relations*. Thousand Oaks, CA: Sage Publications. (invited chapter)
- Brownell, C. (April, 2009). Perspectives on the early development of collaboration. Invited symposium discussant, *Society for Research in Child Development*, Denver, CO.
- Brownell, C. (March, 2009). Developmental and individual differences in early social understanding and prosocial behavior. Invited presentation, *Eastern Psychological Association Annual Conference*, Pittsburgh, PA.
- Brownell, C., Svetlova, M. & Nichols, S. (January, 2009). You, me & we: Transformations in early prosocial behavior. Invited symposium presentation, *Experimental Psychology Society*, London, UK.
- Svetlova, M., Nichols, S. & Brownell, C. (April, 2009). When My Loss Is Your Gain: Do Toddlers Help at a Cost to Themselves? Invited symposium presentation, *Society for Research in Child Development*, Denver, CO.
- Svetlova, M., Nichols, S. & Brownell, C. (April, 2008). Prosocial behavior in toddlers: Developments in empathic responsiveness, sharing, & helping. Invited symposium presentation, *International Conference for Infant Studies*, Vancouver.
- Brownell, C. (August, 2007). Becoming a social partner with peers. Invited presentation, University of Queensland, Department of Psychology, Brisbane, Australia
- Brownell, C. (April, 2007). Early Peer Relationships & School Readiness/Achievement: Next Steps? *14<sup>th</sup> Biennial Preconference on Peer Relationships in Childhood and Adolescence*, Boston, MA.
- Brownell, C., Nichols, S. & Svetlova, M. (2005). Early development of shared intentionality with peers. (Invited commentary) *Behavioral & Brain Sciences*, 28, 693-694.
- Brownell, C. (April, 2005). Toddlers in Wonderland: Development of bodily self-awareness. Invited presentation, University of North Carolina-Greensboro, Department of Psychology.
- Brownell, C. (June, 2005). Development of self understanding in toddlers. Invited presentation, Annual Meeting of the *Jean Piaget Society*, Vancouver, BC.
- Brownell, C. (April, 2005). The development of cooperation: Lessons from peers, siblings, autistic children, and chimpanzees. Invited symposium discussant, *Society for Research in Child Development*, Atlanta, GA.
- Zerwas, S., Balaraman, G. & Brownell, C. (2004). Constructing an understanding of mind with

peers. (Invited commentary) *Behavioral & Brain Sciences*, 27, 130-131.

Brownell, C. (April, 2003). Preschool peer relationships. Invited presentation, *12<sup>th</sup> Biennial Preconference on Peer Relationships in Childhood and Adolescence*, Tampa, FL.

Brownell, C. (April, 2003). Friendships and social understanding in preschool peer relationships. Invited symposium discussant, *Society for Research in Child Development*, Tampa, FL

Gifford-Smith, M. & Brownell, C. (2003). Childhood peer relationships: Social acceptance, friendships & peer networks. *Journal of School Psychology*, 41, 235 – 284. (Invited target article)

Brownell, C., Zerwas, S., & Balaraman, G. (2002). Peers, cooperative play, and the development of empathy in children. (Invited commentary). *Behavioral & Brain Sciences*, 25, 28-30.

Brownell, C. (April, 2001). Ecology of early peer relationships and experiences. Invited presentation, *11<sup>th</sup> Biennial Preconference on Peer Relationships in Childhood and Adolescence*, Minneapolis, MN.

Brownell, C. (August, 2001). Peer relationships and child care experience: The NICHD Study of Early Child Care. Invited presentation, *APA*, San Francisco, CA.

\* *These are also listed in prior sections*

### **Grants and Fellowships Awarded**

NICHD. Early development of body self-awareness. PI: C. Brownell. 2/08 – 1/10. TDC: \$275,000.

NICHD. Study of Early Child Care & Youth Development. Co-PI: Brownell (PI: S. B. Campbell). 1/05 – 12/07, TDC: \$708,235.

NICHD. Social skills & social understanding in toddlers. PI: C. Brownell. 9/03 – 8/06. TDC: \$100,000.

NICHD. Study of Early Child Care & Youth Development. Co-PI: Brownell (PI: S. B. Campbell). 1/00-12/04, TDC: \$2,165,637.

NICHD. Study of Early Child Care. Co-PI: Brownell (PI: S. B. Campbell). 7/95-12/99, TDC: \$1,510,384.

NICHD. Study of Early Child Care. Co-PI: Brownell (PI: J. Belsky). 1/90-6/95, TDC: \$1,101,766.

University of Pittsburgh, Research Development Fund. Infant socioemotional development. 7/87 - 6/88. \$5,000.

University of Pittsburgh, Faculty of Arts & Sciences. Infant/Toddler Social Cognition. 7/87 - 6/88. \$2,500.

March of Dimes. Social and emotional development of fetally malnourished infants. PI: C. Brownell. 8/85 - 2/90. \$64,000 TDC.

Health Research & Services Foundation. Socioemotional development of fetally malnourished infants. PI: C. Brownell. 2/85 - 1/87. \$20,046.

Foundation for Child Development, Award for Young Scholars in Social & Affective Development. Toddler Peer Interaction and Self-Other Differentiation. 6/84 - 6/85. \$15,000.

### **Additional Professional Activities**

Ad hoc reviewer:

*American Educational Research Journal*  
*Child Development Perspectives*  
*Cognitive Development*  
*Developmental Psychology*  
*Developmental Neuropsychology*  
*Developmental Science*  
*Early Development & Parenting*  
*Early Education & Development*  
*Infant Behavior & Development*  
*Journal of Experimental Child Psychology*  
*Journal of Experimental Social Psychology*  
*Journal of Family Psychology*  
*Journal of Genetic Psychology*  
*Merrill-Palmer Quarterly*  
*Psychological Bulletin*  
*Psychological Review*  
*Psychological Science*  
*Social Development*  
*SRCD Monographs*  
*Trends in Cognitive Science*

Conference review panels: SRCD; ICIS

Grant Reviews (ad hoc): NICHD; NSF; NIAAA; Social Services and Humanities Research Council, Canada; Western Psychiatric Institute & Clinic (Pittsburgh, PA)

APA, Division 7: Eleanor Maccoby Book Award Selection Committee; Dissertation Award Selection Committee

### **Teaching & Advising**

*Graduate Courses:* Foundations of Developmental Psychology; Social Development; Advanced Topics in Social Development

*Undergraduate Courses:* Developmental Psychology; Research Methods in Experimental Child Psychology (writing course); Advanced Research Methods in Early Social Development

### **Department and University Service**

#### **Department:**

Mellon Fellowship Evaluation Committee, 2009  
Website Planning Committee, 1999 - present  
Director of Graduate Studies, 1999-2008

Executive Committee, 1990 - 2008  
Graduate Education Council, 1990 - 2008  
Budget & Planning Committee, 1990 – 2008  
Faculty Evaluation Committee, 1990 - 2008  
Search Committee, Quantitative Psychology, 2003-2005  
Search Committee, Director of Advising, 2003-2004  
Search Committee, Developmental Program, 2000-2001; 2002-2003  
Organizing Committee & Panel Chair: University of Pittsburgh Conference on Developmental Behavior Genetics, 2000-2001  
Chair, Department Chairperson Selection Committee, 1998-1999  
Chair, Developmental Psychology Program, 1990 -1999  
Faculty Priorities Planning Committee, 1994-1995  
Curriculum Review Committee, 1993-1994  
Department Recruiting Committee, 1992 -1995  
Department Budget Planning Committee, 1992-1994  
Department Space Planning Committee, 1992-1994  
Department Chairperson Review Committee, 1991-1992  
Long Range Department Planning, 1989-1990  
Long Range Undergraduate Curriculum Planning, 1987-88  
Undergraduate Curriculum, 1982-1988  
Co-Chair, 1983-84; Chair, 1984-1988  
Coordinator, Interdisciplinary Developmental Brown Bag Series, 1982-1990

**University:**

Ad Hoc T & P Committees: Arts & Sciences; Health Related Professions, 2000 - present  
Arts & Sciences Selection Committee, Provost Award for Graduate Student Mentoring, 2007 - 2008  
Faculty Assembly, 1987 – 1990; 1997 – 2000; Faculty Senate, 1998 – 2000  
Psychosocial IRB, 1990 - 1997  
Early Head Start Research Advisory Committee, 1996 - 1998  
University Search Committee for Director of University Child Development Center, 1992 - 1993  
College Writing Board, College of Arts and Sciences, 1986 - 1990  
Ad Hoc Committee for Parental Leave, University Senate Health & Welfare Committee, 1988  
FAS Faculty Grants, 1984 -1986; Secretary, 1984 - 1985; Chair, 1985 -1986  
Senate Elections, 1983 - 1986  
FAS Elections, 1983 – 1986