

Jessica A. Sommerville

Department of Psychology
100 St. George St.
University of Toronto
Toronto, ON M5S 3G3
CANADA

Office (416) 978-1815;
E-mail: jessica.sommerville@utoronto.ca

Canadian Citizen; US Permanent Resident

EDUCATION

Ph.D., Developmental Psychology, The University of Chicago	2002
M.A., Psychology, The University of Chicago	2000
Honors B.Sc. with High Distinction, The University of Toronto Specialist in Psychology, Minor in Sociology	1997

Ph.D. DISSERTATION TITLE

Means-end reasoning: Infants' developing ability to interpret and perform intentional actions.

EMPLOYMENT

Full Professor, Dept. of Psychology, University of Toronto	2019 - present
Full Professor, Dept. of Psychology, University of Washington	2016 - 2019
Associate Director, Foundations for Social, Emotional & Cognitive Competence, Center for Child and Family Well-being, University of Washington	2011- present
Associate Professor, Dept. of Psychology, University of Washington	2009 - 2016
Assistant Professor, Dept. of Psychology, University of Washington	2003 - 2009
Postdoctoral Fellow, Social Cognitive Neuroscience, Center for Mind, Brain and Learning, University of Washington	2002 - 2003
Preceptor, Masters of Arts Program in the Social Sciences The University of Chicago	2001 - 2002

RESEARCH GRANTS

Pending

2019-2024. The origins of social learning and behavior. Ontario Research Fund. \$318,422 CAD.

Awarded

2019 – 2024. “The origins of social learning and behavior. Canadian Foundation for Innovation. \$318,422 CAD.

2019-2022. “GIVE BIG: Investigating and fostering generosity in young children. The John Templeton Foundation, \$1,165,537 CAD.

Active

2018- 2019. “UBC-UW SOCIAL-COGNITIVE DEVELOPMENT COLLABORATIVE MOBILITY PROPOSAL”, (CO-I), Cascadia Engagement Fund – UBC and the University of Washington, \$13,500.00 CAD

Completed

2013 – 2019. “Developmental changes and individual differences infants’ fairness concerns” (PI), National Institute of Child Health and Development Investigator Initiated Research Grant (R01), New Investigator, \$1,509,585 USD.

2016 – 2016. “Building Best Practices in Infancy Research”. National Science Foundation, \$6352.00 USD

2013-2016. “Developmental changes and individual differences in fairness concerns in early childhood” (PI). The John Templeton Foundation, \$862,500 USD.

2015-2016. Behavioral and physiological response to emotional displays in infants at high and low risk for ASD (PI). FIRPA, Department of Psychology, University of Washington, \$20,000 USD.

2013-2015. “The impact of Mindfulness training on parental empathy, parent-infant interactions and the development fairness concerns in infancy” (PI). CCFW Mindfulness Core, Pilot Grant, \$10,000 USD.

2011-2013. “The Development of Character in Early Childhood: Developmental Changes and Individual Differences in Moral Cognition and Prosocial Behavior over the First Two Years of Life” (PI). The Psychology of Character Project, Wake Forest University. \$229,909 USD.

2010-2013. Administrative supplement to, “Low Income, Family Disruption, and the Development of Effortful Control”; Supplement #1(CO-PI; PI: Liliana Lengua. National Institute of Child Health and Development Investigator Initiated Research Grant (R01), \$225,405 USD.

2010-2013. *Administrative supplement to, "Low Income, Family Disruption, and the Development of Effortful Control"; Supplement #2* (CO-PI; PI: Liliana Lengua. National Institute of Child Health and Development Investigator Initiated Research Grant (R01), \$240,000 USD.

2010-2012. *"The neural basis of early action perception"*. (PI). Recovery Act Limited Competition: NIH Basic Behavioral and Social Science Opportunity Network (OppNet) Short-term Mentored Career Development Awards in the Basic Behavioral and Social Sciences for Mid-career and Senior Investigators, NIH, \$97,321.58 (total costs) USD.

2010-2011. *The neurocognitive processes underlying action perception in adults and children*. Royalty Research Fund, \$37,000 USD.

2008-2011, *Infants' tool use action and understanding*. National Institute of Child Health and Development Investigator Initiated Research Grant (R03), \$150,994 USD.

2004-2006, *Infants' developing understanding of goal-directed action*. University of Washington Royalty Research Fund, \$29,000 USD.

HONORS, AWARDS AND FELLOWSHIPS

2007, *Kavli Foundation Fellow*. National Academy of Sciences, Frontiers of Science.

2001-2002, *John Dewey Prize Lectureship*. Collegiate Division, The University of Chicago, \$3,500.

2001-2002, *McCormick Tribune Dissertation Fellowship*, Center for Early Childhood Research, The University of Chicago, \$10,000.

2001-2003, *Postgraduate Fellowship*. National Sciences and Engineering Research Council of Canada, \$38,200.

1997-present, *Golden Key National Honor Society*, University of Toronto.

1997-2001, *Division of Social Sciences Fellowship*. The University of Chicago, tuition remission & \$12,000/year.

1997-1998, *Dr. Horace O. Frosty Steer Scholarship in Psychology*. Victoria College, University of Toronto, \$2,000.

1995-1997, *In-course Regent's Scholarship*. Victoria College, University of Toronto, \$1500/year.

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL SERVICE

Associate Editor, *Frontiers in Developmental Psychology*, 2013-present

Ad-hoc reviewer

Brain Research Reviews
British Journal of Developmental Psychology
Child Development
Cognitive Development
Cognitive Psychology
Consciousness & Cognition
Current Biology
Developmental Review
Developmental Science
Infancy
Infant Behavior & Development
Journal of Cognition and Development
Journal of Experimental Child Psychology
Language, Learning and Development
Psychological Science
Trends in Cognitive Science

National Science Foundation

Grant panel reviews

NIH, Cognition and Perception Panel Study Section Member, 2015-2019
NIH, Cognition and Perception Panel ad-hoc reviewer, 2014

Conference submission reviewer

Biennial meeting of the Society for Research in Child Development, 2007, 2009, 2011, 2013, 2015
Annual meeting of the Cognitive Science Society, 2006; 2007, 2008, 2009
Biennial meeting of the Cognitive Development Society, 2007, 2009, 2011, 2013
Biennial meeting of the International Conference on Infant Studies, 2008, 2010 (co-chair of Cognitive Development panel), 2014

University committees

Speech and Hearing Sciences Chair Search, 2014-2015
Faculty Senate, 2009-2011

Departmental committees

Retention, Tenure and Promotion committee, 2014-2019
Admissions committee (Current chair of committee), 2007-2019
Departmental Strategic Planning committee, 2009-2013; 2015 - 2018
Curriculum committee, 2005-2007
Developmental area admissions coordinator, 2006-2013
Developmental area recruitment brochures, 2004-2008
Event coordinator, Developmental Area Graduating Visiting Weekend, 2003-2006
Edward's lectureship committee, 2004-2007
Graduate training committee, 2008-2013
Neuroscience committee, 2007-2008

Graduate student committees

Danielle Beck, Psychology
Emily Blumenthal, Psychology
Catharyn Crane, Psychology
Arianne Eason, Psychology
Sarah Edmunds, Psychology
Elizabeth Enright, Psychology
Susan Faja, Psychology
Anne Fast, Psychology
Erika Feldman, Psychology
Heather Gary, Psychology
Bonnie Lau, Speech and Hearing Sciences
Kelsey McCune, Psychology
Mona Oster, Speech and Hearing Sciences
Karen Pang, Psychology
Aimee Reichert, Psychology
Ashley Ruba, Psychology
Jolina Ruckert, Psychology
Rachel Severson, Psychology
Solace Shen, Psychology
Joshua Tabak, Psychology
Stephanie Fengler Thompson, Psychology
Kayla Upshaw, Psychology
Caroline Yoachim, Psychology

Post-doctoral fellows

Jeff Loucks, Assistant Professor, University of Regina
Kelsey Lucca, Assistant Professor, Arizona State University
Alia Martin, Assistant Professor, Wellington University
Jing Xu, Affiliate Assistant Professor, University of Washington
Talee Ziv, Board of Directors, Girls Education International

BOOKS

Sommerville, J., & Decety, J. (Eds.). (2016). *Social Cognition: Development Across the Life Span*. Psychology Press.

Sommerville, J. A., Martin, A. & Ziv. T. (Eds.) (2016). *Variability and Individual Differences in Early Social Perception and Social Cognition*. Frontiers in Developmental Psychology.

MANUSCRIPTS UNDER REVIEW

Hudac, C. M., Pospisil, J. & Sommerville, J. A. (under revision). The Neural Correlates of Fairness Expectations in Infancy. *Developmental Cognitive Neuroscience*.

Lucca, K. L., Horton, R. & Sommerville (under revision). Infants Rationally Decide When and How to Deploy Effort. *Nature Human Behavior*.

Eason, A. & Sommerville, J. A. (under revision). The Haves versus the Have Nots: Infants' Evaluations of Advantaged versus Disadvantaged Individuals and Social Group Members. *Journal of Experimental Psychology: General*.

Horton, R., Enright E. A. & Sommerville, J. A. (under revision). Infants Preferentially Help Individuals that Label Objects Conventionally. *Journal of Experimental Child Psychology*.

PEER-REVIEWED PUBLICATIONS

Lucca, K. L., Gire, D., Horton, R. & Sommerville, J. A. (in press). Automated Measures of Force and Motion Can Improve Our Understanding of Infants' Motor Persistence. *Journal of Motor Learning and Development*.

Decety, J., Cowell, J. & Sommerville, J. A. (in press). Developing neural computations of fairness and their relation to generosity. *Developmental Psychology*.

Lucca, K. L., Horton, R. & Sommerville, J. A. (2019). Keep Trying!: Parental Language Predicts Infants' Persistence. *Cognition*.

Lucca, K. & Sommerville, J. A. (2018). The little engine that can: Infants' persistence matters. *Trends in Cognitive Science*.

Eason, A. E., Kaiser, C. R., & Sommerville, J. A. (2018). Underrepresentation and the Perception of Others' Racial Attitudes. *Social Psychological and Personality Science*. <https://doi.org/10.1177/1948550618788855>

Sommerville, J. A., Enright, E. A., Horton, R., Lucca, K., Kirchner-Adelhart, S. A & Sitch, M. J. (2018) Cost-benefit calculations permeate infants' prosocial behavior.

Cognition, 177, 12-20.

Lucca, K., Pospisil, J., & Sommerville, J. (2018) Fairness informs social decision making in infancy. *PLOS ONE*, 13, e0192848.

Loucks, J. & Sommerville, J. A. (2018). Perceptual tuning in action perception: Is motor experience the cause? *Infancy*.

Sommerville, J. A. (2018). Infants' understanding of distributive fairness as a test case for identifying the extents and limits of infants' socio-moral cognition and behavior. *Child Development Perspectives*.

Luchkina, E., Sommerville, J. A. & Sobel, D. M. (2018). More than just making it go: Toddlers appreciation of intentional action relates to their understanding of efficacy. *Cognitive Development*, 45, 48 - 56.

Sommerville, J. A. & Enright E. A. (2018). Infants' fairness concerns and links to prosocial behavior. *Current Opinion in Psychology*.

Eason, A. E., Doctor, D., Chang, E., Kushnir, T. & Sommerville, J. A. (2017). The choice is yours: Infants' expectations about an agent's future behavior based on taking and receiving actions. *Developmental Psychology*.

Bernstein, D.M., Coolin, A., Fischer, A.L., Thornton, W.L., & Sommerville, J.A. (2017). False-belief reasoning from 3 to 92 years of age. *PLOS ONE*.

Upshaw, K. & Sommerville, J. A. (2017). 10-month-old infants understand the relation between object weight and compression in support events. *Journal of Motor Learning and Development*, 1-33.

Enright, E. A., Gweon, H. & Sommerville, J. A. (2017). 'To the victor go the spoils': Infants expect dominant individuals to receive more resources than submissive individuals. *Cognition*, 164, 8-21.

Eason, A., Hamlin, J. K. & Sommerville, J. A. (2017). A survey of common practices in infancy research: Description of policies, consistency across and within labs, and suggestions for improvements. *Infancy*. ** Authorship is equally shared by all authors; order is alphabetical.

Martin, A. & Sommerville, J. A. (2017). Once a frog-lover, always a frog-lover?: Infants' goal generalization is influenced by the nature of accompanying speech. *Journal of Experimental Psychology: General*, 146, 859.

Xu, J., Saether, L., & Sommerville, J. A. (2016). Experience facilitates the emergence of sharing behavior among 7.5-month-old infants. *Developmental Psychology*, 52(11), 1732.

Ziv, T. & Sommerville, J. A. (2016). Developmental differences in infants' fairness

expectations from 6 to 15 months of age. *Child Development*.

Martin, A., Ziv, T. & Sommerville, J. A. (2016). Editorial: "Variability and individual differences in early social perception and social cognition". *Frontiers in Psychology*, 7, 68.

Ruberry, E. J., Lengua, L. J., Crocker, L. H., Bruce, J., Upshaw, M. B. & Sommerville, J. A. (2016). Income, neural executive processes and preschool children's executive control. *Development and Psychopathology*.

Bakker, M., Sommerville, J. A. & Gredeback (2015). Enhanced neural processing of goal-directed actions after active training in 4-month-old infants. *Journal of Cognitive Neuroscience*.

Deschamps, T., Eason, A. & Sommerville, J. A. (2015). Infants Associate Praise and Admonishment with Fair and Unfair Individuals. *Infancy*.

Upshaw, K. M., Bernier, R. A. & Sommerville, J. A. (2015). Infants' grip strength predicts mu rhythm attenuation during observation of lifting actions with weighted blocks. *Developmental Science*.

Upshaw, K. M., Kaiser, C. A. & Sommerville, J. A. (2015). Parents' empathic perspective taking and altruistic behavior predicts infants' arousal to others' emotions. *Frontiers in Developmental Psychology*.

Gerson S. A., Mahajan, N., Sommerville, J. A., Metz, L. & Woodward, A. L. (2015). Shifting goals: Effects of active and observational experience on infants' understanding of higher-order goals. *Frontiers in Developmental Psychology*.

Upshaw, K. M. & Sommerville, J. A. (2015). Twelve-month-old infants anticipatorily plan their actions according to expected object weight in a novel motor context. *Frontiers in Public Health*.

Burns, M. P. & Sommerville, J. A. (2014). "I pick you": The impact of fairness and race on infants' selection of social partners. *Frontiers in Developmental Psychology*.

Atance, C. & Sommerville, J. A. (2014). Assessing the role of memory in preschoolers' performance on episodic foresight tasks. *Memory*, 1, 118-128.

Loucks, J. & Sommerville, J. A. (2013). Attending to what matters: Flexibility in adults' and infants' action perception. *Journal of Experimental Child Psychology*, 116, 856-872.

Sommerville, J. A., Bernstein D. M., and Meltzoff, A. N. (2013). Measuring beliefs in centimeters: Private knowledge biases preschoolers' and adults' representations of others' beliefs. *Child Development*, 84, 1846-1854.

Sommerville, J. A., Schmidt, M. L., Yun, J. & Burns, M. (2013). The development of fairness expectations and prosocial behavior in the second year of life. *Infancy*, 18, 40-66.

Loucks, J. & Sommerville, J. A. (2012). The Role of Motor Experience in Understanding Action Function: The Case of the Precision Grasp. *Child Development*.

Loucks, J. & Sommerville, J. A. (2012). Developmental changes in the discrimination of dynamic human actions in infancy. *Developmental Science*, 15, 123-130.

Schmidt, M. F. H. & Sommerville, J. A. (2011). Fairness Expectations and Altruistic Sharing in 15-Month-Old Human Infants. *PLoS ONE* 6(10).

Bernstein, D. M., Thornton, W. J. L. & Sommerville, J. A. (2011). Theory of mind through the ages: Older and middle-aged adults exhibit more errors than do younger adults on a continuous false-belief task. *Journal of Aging*, 37, 481-502.

Sobel, D. M. & Sommerville, J. A. (2010). The importance of discovery in children's causal learning from interventions. *Frontiers in Developmental Psychology*, 1.

Sobel, D. M. & Sommerville, J. A., Ventura, L. M., Blumenthal, E. M. & Stoddard, E. (2009). The role of probability and intentionality in preschooler's causal generalizations. *Journal of Cognition and Development*, 10, 262-284

Daum, M. M., Sommerville, J., & Prinz, W. (2009). Becoming a social agent: Developmental foundations of an embodied social psychology. *European Journal of Social Psychology*, 39, 1196-1206.

Daum, M. M., Sommerville, J., & Prinz, W. (2009). Disentangling embodied and symbolic mode of social understanding. *European Journal of Social Psychology*, 39, 1214-1216.

Sobel, D. M. & Sommerville, J. A. (2009). Rationales and children's causal learning from others' actions. *Cognitive Development*, 24, 70-79.

Sommerville, J. A. & Crane, C. (2009). Ten-month-old infants use prior information to identify an actor's goal. *Developmental Science*, 12, 314-325.

Sommerville, J. A., Hildebrand, E. A. & Crane, C. C. (2008). Experience matters: The impact of doing versus watching on infants' subsequent perception of tool use events. *Developmental Psychology*, 44, 1249-1256.

Conboy, B., Sommerville, J. A. & Kuhl, P. K. (2008). Cognitive control factors in speech perception at 11 months. *Developmental Psychology*, 44, 1505.

Sommerville, J. A. & Hammond, A. J. (2007). Treating another's actions as one's own: Children's memory of and learning from joint activity. *Developmental Psychology*, 43, 1003-1018.

Sommerville, J. A. & Decety, J. (2006). Weaving the fabric of social interaction: Articulating developmental psychology and cognitive neuroscience in the domain of motor cognition. *Psychonomic Bulletin and Review*, 13, 179-200.

Schulz, L. & Sommerville, J. (2006). God does not play dice: Causal determinism and preschooler's causal inferences. *Child Development*, *77*, 427-442.

Sommerville, J. A. & Woodward, A. L. (2005). Infants' sensitivity to the causal features of means-end support sequences in action and perception. *Infancy*, *8*, 119-145.

Sommerville, J. A., Woodward, A. L. & Needham, A. N. (2005). Action experience alters 3-month-old infants' perception of other's actions. *Cognition*, *96*, B1-11.

Sommerville, J. A. & Woodward, A. L. (2005). Pulling out the structure of intentional action: The relation between action processing and production in infancy. *Cognition*, *95*, 1-30.

Decety, J., Jackson, P. L., Sommerville, J. A., Chaminade, T. & Meltzoff, A. N. (2004). The neural basis of cooperation and competition: an fMRI study. *Neuroimage*, *23*, 744-751.

Decety, J. & Sommerville, J.A. (2003). Shared representations between self and other: A social cognitive neuroscience view. *Trends in Cognitive Science*, *7*, 527-533.

Woodward, A. L. & Sommerville, J. A. (2000). Twelve-month-old infants interpret action in context. *Psychological Science*, *11*, 73-77

Zelazo, P. D., Sommerville, J. A. & Nichols, S. (1999). Age-related changes in children's use of external representations. *Developmental Psychology*, *35*, 1059-1071.

BOOK CHAPTERS

Hudac, C. & Sommerville, J. A. (in press). Understanding others' minds and morals: Progress and innovation of infant electrophysiology. In J. Decety (Ed.).

Sommerville, J. A. (in press). Social cognition. In J. Benson (Ed.). *Encyclopedia of Infant and Early Childhood Development*, 2nd edition

Sommerville, J. A. & Ziv, T. (2018). The Developmental Origins of Infants' Distributive Fairness Concerns. J. Graham & K. Gray (Eds.). *Atlas of Moral Psychology*.

Sommerville, J. A. (2015). The emergence of moral character in infancy: Developmental changes and individual differences in fairness concerns and prosocial behavior during the first two years of life. C. Miller, R. M. Furr, A. Knoebel & W. Fleeson (Eds.). *Character*. New York: Oxford University Press.

Loucks, J., & Sommerville, J. A. (2013). Human action perception across development. In M.D. Rutherford & V. A. Kuhlmeier (Eds.), *Social Perception*. Cambridge: The MIT Press.

Sommerville, J. A., Upshaw, M. & Loucks, J. (2012). The nature of goal-directed action representations in infancy. To appear in F. Xu & T. Kushnir (Eds). *Rational constructivism*. Oxford University Press.

Sommerville, J. A., Blumenthal, E. J., Venema, K. & Braun, K. (2011). The body in action: The impact of self-produced action on infants' action perception and understanding. In V. Slaughter & C. Brownell (Eds). *Early Development of Body Representations* (pp. 247-266). Cambridge: Cambridge University Press.

Sommerville, J. A. & Woodward, A. L. (2010). The link between action production and action processing in infancy. In F. Grammont, D. Legrand & P. Livet (Eds). *Naturalizing Intention in Action* (pp. 67-90). Cambridge, MA: MIT Press.

Woodward, A. L., Sommerville, J. A., Gerson, S., Henderson, A. M. E., Buresh, J. (2009). The emergence of intention attribution in infancy. In B. H. Ross (Ed.) *Psychology of Learning and Motivation*, Volume 51 (pp. 187 – 222). Elsevier Press.

Sommerville, J. A. (2007). Detecting structure in action: Infants as causal agents. In A. Gopnik & L. E. Schulz (Eds.), *Causal Learning; Psychology, Philosophy and Computation*. New York: Oxford University Press.

Decety, J., & Sommerville, J. (2007). Motor cognition and mental simulation. In S. Kosslyn & E. Smith (Eds.), *Cognitive Psychology: Mind and Brain* (pp. 451-481). New York: Prentice Hall.

Decety, J., & Sommerville, J.A. (2007). Action representation as the bedrock of social cognition: A developmental neuroscience perspective. In J. Bargh, P. Gollwitzer & E. Morsella (Eds.), *The Psychology of Action*. New York: Oxford University Press.

Woodward, A. L., Sommerville, J. A., & Guajardo, J. J. (2001). How infants make sense of intentional action. In B. Malle, L. Moses, & D. Baldwin (Eds.). *Intentions and intentionality: Foundations of social cognition*. (pp. 149-169). Cambridge, MA: MIT Press.

Zelazo, P. D., & Sommerville, J. A. (2001). Levels of consciousness of the self in time. In C. Moore & K. Skene (Eds.) *The self in time: Developmental perspectives* (pp. 229-252). Mahwah, NJ: Lawrence Erlbaum Associates.

BOOK REVIEWS

Sommerville, J. A. (2005). The mind-body continuum: Appraisal systems for adaptive problem solving. Review of "Bodily Sensibility: Intelligent Action" by Jay Schulkin. Oxford University Press, 2004. *Trends in Cognitive Sciences*, 9, 268-269.

PROFESSIONAL PRESENTATIONS: INVITED

Delivered

Sommerville, J. A. (2019, May). The origins of social learning: Lessons from babies and toddlers. Invited keynote at the Edwards Lecture Series, University of Washington, Seattle, WA.

Sommerville, J. A. (2018, March). The virtuous baby?: The limits and limitations of infants' socio-moral cognition and behavior. Invited talk in the College of Human Ecology, Cornell University, Ithaca, NY.

Sommerville, J. A. (2017, May). The virtuous baby?: The limits and limitations of infants' socio-moral cognition and behavior. Invited talk in the Department of Psychology, University of Toronto, Toronto, ON.

Sommerville, J. A. (2017, March). The virtuous baby?: The limits and limitations of infants' socio-moral cognition and behavior. Invited talk in the Department of Psychology, University of Calgary, Calgary, AB.

Sommerville, J. A. (2017, March). The virtuous baby?: The limits and limitations of infants' socio-moral cognition and behavior. Invited talk at the Cognitive Science Colloquium, University of Maryland, College Park, MD.

Sommerville, J. A. & Hamlin, J. K. (2016, May). Presentation of Best Practices Survey Results. Best practices in infancy research, a pre-conference to precede ICIS, New Orleans, LA.

Sommerville, J. A. (2015, October). The virtuous baby?: The limits and limitations of infants' socio-moral cognition and behavior. Invited talk at Developmental Brown Bag, Department of Psychology, The University of Chicago, Chicago, IL.

Sommerville, J. A. (2015, October). Mechanisms and effects of learning. Invited discussant at the Preconference on Early Development, Conceptual Change, and Continuity: Insights from Cognitive Neuroscience, Cognitive Development Society, Columbus, OH.

Sommerville, J. A. (2015, October). Children's social learning within and across cultures. Invited discussant at the Preconference on Cultural Diversity in Social Learning, Cognitive Development Society, Columbus, OH.

Sommerville, J. A. (2015, September). Charting the developmental trajectory of infants' fairness concerns. Invited talk at the Japanese Psychological Association, Kyoto, Japan.

Sommerville, J. A. (2015, September). Developmental changes in infants' fairness concerns. Invited talk at Kyoto University

Sommerville, J. A. (2015, August). Infants' sensitivity to the costs and benefits of prosocial behavior. Invited talk at Brown University.

Sommerville, J. A. (2015, August). Infants' sensitivity to the costs and benefits of prosocial behavior. Invited talk at the CBMM Summer School & at MIT, Woods Hole, MA.

Sommerville, J. A. & Sitch, M. (2015, April). The impact of parental mindfulness training on parental empathy and infant prosociality. Invited talk at the 2015 Mindfulness Research Conference, Seattle, WA

Sommerville, J. A. (2014, February). Developing a Sensitivity to Fairness: Developmental Changes and Individual Differences In the First Two Years of Life. Invited talk at Uppsala University, Uppsala, Sweden.

Sommerville, J. A. (2013, October). The development of fairness concerns in infancy. Invited talk at the CARTA symposium on Mind reading: Human origins and theory of mind. The Salk Institute, San Diego, CA.

Sommerville, J. A. (2013, October). Emergence of theory of mind in human babies. Invited talk at the CARTA symposium on Mind reading: Human origins and theory of mind. The Salk Institute, San Diego, CA.

Sommerville, J. A. (2013, June). Developmental changes and individual differences in moral cognition and prosocial behavior over the first two years of life. Invited talk at the Psychology, Philosophy & Theology of Character Workshop Winston-Salem, NC.

Sommerville, J. A. (2013, April). Developing a Sensitivity to Fairness: Developmental Changes and Individual Differences In the First Two Years of Life. Invited talk at Carnegie Mellon University Psychology Department Colloquium series.

Sommerville, J. A. (2012, June). Developmental changes and individual differences in moral cognition and prosocial behavior over the first two years of life. Invited talk at the Psychology of Character Workshop, Winston-Salem, NC.

Sommerville, J. A. (2012, April). Fairness expectations in infancy: developmental change and individual differences in the second year of life. Invited talk at the University of Chicago Psychology Department Developmental colloquium series.

Sommerville, J. A. (2012, April). The "what" and "why" of human behavior: Infants' emerging understanding of norms of equality. Invited talk at the University of California, San Diego Psychology Department colloquium series.

Sommerville, J. A. (2010, March). The Impact of Self-Produced Action on Cognitive and Perceptual Development. Chair of invited symposium, International Conference on Infant studies. Baltimore, MD.

Loucks, J. & Sommerville, J. A. (2010, March). The Role of Motor Experience in Action Understanding: The Case of the Pincer Grasp. Invited talk at the International Conference on Infant studies. Baltimore, MD.

Sommerville, J. A. (2009). Perception-action associations in infancy: The role of motor experience in infants' developing understanding of goal-directed action. Invited talk at the annual European Society for Philosophy and Psychology. Budapest, Hungary.

Sommerville, J. A. (2008). Infants' developing understanding of goal-directed action: Evidence for a two-step process. Invited talk at the meeting of the Self and Other in Social Neuroscience and Philosophy of Mind. Alghero, Sardinia, Italy.

Sommerville, J. A. (2008). The role of self-produced action in infants' developing understanding of goals and intentions. Invited talk at the seminar on Perception, Conception and Action: Grounding Thoughts in Experience, Brain and Cognitive Sciences, MIT, Boston, MA.

Sommerville, J. A. (2007). From ends to means: Infants' developing tool use representations. Invited talk at Dept. of Psychology colloquium series, Duke University, Raleigh-Durham, NC.

Sommerville, J. A. (2007). Me, myself and I: The role of agency in development. Invited paper presented at the International conference on Self, Intersubjectivity and Social Neuroscience, Torun, Poland.

Sommerville, J. A. (2007). Infants' understanding of goal-directed action: The role of agentic and observational experience. Invited talk at the Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Sommerville, J. A. (2007). Infants' understanding of goal-directed action: The role of agentic and observational experience. Invited talk at the Max Planck Institute for Human and Brain Cognitive Sciences, Leipzig, Germany.

Sommerville, J. A. (2007). Infants' Understanding of Others' Actions: The Role of Active and Observational Experience. Invited paper presented at the Jean Piaget Society, Amsterdam, The Netherlands.

Sommerville, J. A. (2005). Infants' action understanding: Developing agency promotes resonance. Invited talk given at "From social resonance to agency: multidisciplinary perspectives." Centre National de la Recherche Scientifique, Paris, France.

Sommerville, J. A. (2005). Learning through doing: The role of first-person experience in infants' action understanding. Invited talk given at the University of Oregon.

Sommerville, J. A. (2003). Detecting structure in action: Infants as causal agents. Invited talk given at the workshop for Causation, Intervention and Action, Center for Advanced Study in the Behavioral Sciences, Stanford University.

Sommerville, J. A. (2002). Performing and understanding goal-directed action: Building blocks for a concept of intention. Invited talk given at the University of British Columbia and the University of Washington.

PROFESSIONAL PRESENTATIONS: COMPETITIVE

Lucca, K., Horton, R., Xu, Y. & Sommerville, J. A. (2018, June). Predictors of persistence during infancy. Paper presented at the International Congress on Infant Studies, Philadelphia, PA.

Lucca, K., Zhou, T. & Sommerville, J. A. (2018, June). Are infants' fairness preferences rooted in fair outcomes or fair intentions? Poster presented at the International Congress on Infant Studies, Philadelphia, PA.

Horton, R., Enright, E. & Sommerville, J. A. (2018, June). Infants at 19 months selectively help those that accurately label objects. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.

Enright, E. & Sommerville, J. A. (2018, June). Investigating the stability of infancy measures: Early sharing behavior predicts later preferences for fair individuals. Poster presented at the International Congress on Infant Studies, Philadelphia, PA.

Eason, A. E., Kaiser, C. & Sommerville, J. A. (2017, October). The effects of diversity and segregation on children's inferences about others' racial attitudes. Paper presented at the Cognitive Development Society biennial meeting, Portland, OR.

Fast, A., Enright, E. A., Sommerville, J. A. & Olson, K. (2017, October). Evaluating Consistency of 5-year-old's Prosocial Behaviors and Fairness Evaluations. Poster presented at the Cognitive Development Society biennial meeting, Portland, OR.

Baharloo, R., Stone, W. & Sommerville, J. A. (2017, October) Relations Between Infants' Social Attention, Risk Status for ASD, and Parental Measures of ASD-Related Characteristics (2017, October). Relations Between Infants' Social Attention, Risk Status for ASD, and Parental Measures of ASD-Related Characteristics. Poster presented at the Cognitive Development Society biennial meeting, Portland, OR.

Rachel Horton, Elizabeth Enright, Jessica Sommerville (2017, October) Selectivity and strategy in infants helping behavior at 18 months. Poster presented at the Cognitive Development Society biennial meeting, Portland, OR.

Ake, E. A. & Sommerville, J. A. (2017, May). Predicting Toddlers' Preferences for Fair from Fairness Expectations and Sharing Behavior in Infancy. Paper presented at the Association for Psychological Science annual meeting, Boston, MA.

Fast, A., Sommerville, J. A., Olson, K. (2017, April). The Emotional Benefits of Giving in 5-year-old Children. Poster presented at the Society for Research in Child Development, Austin, TX.

Horton, R., Fairchild, L., Stone, W. & Sommerville, J. A. (2017, April). Infant Brain Correlates of Fairness Expectations. Poster presented at the Society for Research in Child Development, Austin, TX.

Hudac, C. M., Pospisil, J. & Sommerville, J. A. (2017, April). Infant Heart Rate Variability is Linked to Parent Empathy. Paper presented at the Society for Research in Child Development, Austin, TX.

Eason, A. E. & Sommerville, J. A. (2017, April). The Haves and Have-nots: Infants Evaluations of Advantaged and Disadvantaged Individuals. Paper presented at the Society for Research in Child Development, Austin, TX.

Ake, E. A. & Sommerville, J. A. (2017, April). Infants Adjust Their Expectations About Resource Distributions Depending on Recipient Status. Paper presented at the Society for Research in Child Development, Austin, TX.

Sommerville, J. A., Sitch, M. J. & Ake, E. A. (2016, May). Physical costs influence infants' helping behavior. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Sitch, M. J., Fairchild, L. L. & Sommerville, J. A. (2016, May). An intervention designed to increase parental empathy enhances infants' prosociality. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Bakker, M., Sommerville, J. A. & Gredeback, G. (2016, May). Enhanced neural processing of goal-directed actions after active training in 4-month-old infants. Poster presented at the International Congress on Infant Studies, New Orleans, LA.

Eason, A. & Sommerville, J. A. (2016, May). Infants' Evaluation of Advantaged and Disadvantaged Individuals. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Ake, E. A. & Sommerville, J. A. (2016, May). Infants' Expectations About Resource Distributions Reflect Social Dominance Structures. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Xu, J. & Sommerville, J. A. (2016, May). Experience Facilitates the Emergence of Sharing Behavior among 7.5-month-old infants. Poster presented at the International Congress on Infant Studies, New Orleans, LA.

Sitch, M. J., Ake, E. A. & Sommerville, J. A. (2016, May). Infants take recipient wealth and physical effort into account when deciding who to help. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Eason, A. E., Doctor D., Chang, E., Kushnir, T. & Sommerville, J. A. (2016, May). Infants' Understanding of Object Preference Through Taking and Receiving Actions. Paper presented at the International Congress on Infant Studies, New Orleans, LA.

Ake, E., Kim, J., Gweon, H. & Sommerville, J. A. (2015, October). Infants' expectations about resource distributions reflect dominance structures. Poster presented at the Cognitive Development Society biennial meeting, Columbus, OH.

Eason, A. E., Kaiser, C. R. & Sommerville, J. A. (2015, October). Children's use of sampling information to infer social preference. Poster presented at the Cognitive Development Society biennial meeting, Columbus, OH.

Pospisil, J. W. & Sommerville, J. A. (2015, October). First Impressions During Infancy: The Impact of Counter-information. Poster presented at the Cognitive Development Society biennial meeting, Columbus, OH.

Xu, J., Saether, L. & Sommerville, J. A. (2015, October). 7.5-Month-Old Infants Learn to Share. Poster presented at the Cognitive Development Society biennial meeting, Columbus, OH.

Ziv, T., Bolden, C. R. M., & Sommerville, J. A. (2015, October). Infants' interventions in socio-moral contexts. Poster presented at the Cognitive Development Society biennial meeting, Columbus, OH.

Sommerville, J. A. (2015, May). Anticipate physical effort influences infants' prosocial behavior. Poster presented at the Association for Psychological Science annual meeting, New York, NY.

DesChamps, T., Eason, A. E. & Sommerville, J. A. (2015, April). Infants form valenced associations in the domain of fairness. Paper presented at the Society for Research in Child Development, Philadelphia, PA.

Martin, A. & Sommerville, J. A. (2015, April). The role of reference in infants' understanding of preference. Paper presented at the Society for Research in Child Development, Philadelphia, PA.

Sommerville, J. A. (2015, April). Developmental changes in infants' fairness expectations in the first year of life. Paper presented at the Society for Research in Child Development, Philadelphia, PA.

Ziv, T. & Sommerville, J. A. (2015, April). Infants' evaluations of fair and unfair individuals: Evidence from a novel touch screen task. Paper presented at the Society for Research in Child Development, Philadelphia, PA.

Eason, A. E., Kaiser, C. R. & Sommerville, J. A. (2015, April). Children's use of sampling cues to infer social preference. Poster presented at the Society for Research in Child Development, Philadelphia, PA.

Luchkina, E., Sommerville, J. A., and Sobel, D. M. (2015, April). Toddlers prefer to imitation intentional actions to equally causally effective accidental actions. Poster presented at the Society for Research in Child Development, Philadelphia, PA.

Sitch, M., Upshaw, K. B. & Sommerville, J. A. (2015, April). The impact of mindfulness based training on parental empathy and prosocial behavior in infancy. Poster presented at the Society for Research in Child Development, Philadelphia, PA.

Ziv, T., & Sommerville, J.A. (2015, January). Evaluations of fair and unfair individuals at 16 months of age. Poster presented at the Budapest CEU Conference on Cognitive Development, Budapest, Hungary.

Sommerville, J. A. (2014, June). Fifteen-month-old infants evaluate fair and unfair individuals. Paper presented at the biennial meeting of the International Society on Infant Studies Conference, Berlin, Germany.

Sommerville, J. A., Schmidt, M. F., Upshaw, M. B. & Burns, M. P. (2013, April). Developmental Changes and Individual Differences in Fairness Expectations in the First and Second Years of Life. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.

Upshaw, M. B. & Sommerville, J. A. (2013, April). Twelve-month-old Infants Plan and Adapt Their Actions According to Object Weight in a Novel Motor Context. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.

Burns, M. P. & Sommerville, J. A. (2013, April). 15-Month-Old Infants' Social Preferences Depend on Both Fairness and Ethnicity. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.

Coolin, A., Aßfalg, A., Bernstein, D. M., Thornton, W. L., Sommerville, J. A. (2013, April) Decomposing the Psychological Processes Underlying Developmental Changes in Theory of Mind. Poster presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.

Upshaw, M., Sommerville, J. A., Burns, M., & Gregory, S. (2012, October). Relations between Infants' Emotional Resonance and Parental Empathy as Indexed by Pupil Dilation. Poster presented at the Novel Methods in Developmental Research Conference. Uppsala, Sweden.

Upshaw, M., Sommerville, J. A. & Bernier, R. (2012, June). Mu Rhythm Attenuation and its Relationship to the Effort of an Action: Evidence From 12-Month-Old Infants. Poster presented at the biennial meeting of the International Conference on Infant Studies, Minneapolis, MN.

Yun, J.E. & Sommerville, J. A. (2012, June). The Effect of Exposure on Infants' Perception of the Goal-Directed Actions of Other-Race Individuals. Poster presented at the biennial meeting of the International Conference on Infant Studies, Minneapolis, MN.

Loucks, J. & Sommerville, J. A. (2011, October). Adult and infant attention during action perception is context dependent. Poster presented at the biennial meeting of the Cognitive Development Society, Philadelphia, Pennsylvania.

Upshaw, M., Sommerville, J. A., Lengua, L. (2011, October). Response monitoring in 4-5 year olds: Investigating the presence of ERN and/or Pe using a Go-Nogo task. Poster presented at the biennial meeting of the Cognitive Development Society, Philadelphia, Pennsylvania.

Loucks, J. & Sommerville, J. A. (2011, March). Perceptual Tuning in Action Perception: Is Motor Experience the Cause? Talk delivered to the Society for Research in Child Development, Montreal, Quebec, Canada.

Shin, Y., Burns, M., Yun, J. E., & Sommerville, J. A. (2011, March). When a Friend Doesn't Look Like Me: 12-Month-Old Infants Overcome Race Bias and Prefer Social Individuals. Poster presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Sommerville, J. A., Schmidt, M. F. H., Yun, J.-E., & Blumenthal, E. J. (2011, March) Perception/Action Relations in Infants' Emerging Moral Sensitivity: The Cases of Fairness and Altruism. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Bernstein, D. M. & Sommerville, J. A. (2011, March) Theory of Mind Across the Lifespan. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Yau, K., Upshaw, M. B., & Sommerville, J. A. (2011, March). Twelve-Month-old Infants Anticipate Object Weight in a Novel Context. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Conboy, B., Sommerville, J. A., Wicha, N., Romo, H. D. & Kuhl, P. K. (2011, March) Word Processing and Cognitive Control Skills in Two-Year-old Bilingual Children. Paper presented at the biennial meeting of the Society for Research in Child Development, Montreal, Quebec, Canada.

Sommerville, J. A. (2010, March). Infants' Understanding of Goal-Directed Action: Evidence for the Contribution of Multiple Developmental Mechanisms. Talk delivered to the International Conference on Infant Studies, Baltimore, MD.

Blumenthal, E. J., Yun, J. E. & Sommerville, J. A. (2010, March). Would You Like Them in a House, Would You Like Them With a Mouse: Limitations of 8-Month-Olds' Ability to Generalize Preferences. Poster presented at the International Conference on Infant Studies, Baltimore, MD.

Yun, J. E. & Sommerville, J. A. (2010, March). Infants' Understanding of Others' Behaviors: Do Infants Tie Goals to Individuals? Poster presented at the International Conference on Infant Studies, Baltimore, MD.

Sommerville, J. A. (2009, April). When My Goals Are Your Goals: The Role of Participation and Collaboration in Infants' Observational Learning. Paper presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Blumenthal, E. J. & Sommerville, J. A. (2009, April). From Transient Goals to Enduring Preferences: The Development of Understanding Goal-Directed Action in Infancy. Paper presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Kolobova, I. & Sommerville, J. A. (2009, April). The Development of Action Planning: Do 12-Month-Old Infants Anticipate Object Weight? Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Sobel, D. M., Sommerville, J. A., Blumenthal, E. J. & Ventura, L. (2009, April). Preschoolers use Others' Beliefs to Make Causal Inferences From Probabilistic Data. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

Sommerville, J. A. & Feldman, E. N. (2008, April). Tool use in the first year of infancy: Infants select appropriate tool use actions based on tool and goal object properties. Paper to be presented at the biennial meeting of the International Society for Infant Studies, Vancouver, BC.

Hodgson, E. A., Feldman, E. N. & Sommerville, J. A. (2008, April). Gender differences in infant tool use. Poster to be presented at the biennial meeting of the International Society for Infant Studies, Vancouver, BC.

Brainerd, R., Crane, C. & Sommerville, J. A. (2008, April). Poster presented at the biennial meeting of the International Society for Infant Studies, Vancouver, BC.

Braun, K., Venema, K. M. & Sommerville, J. A. (2008, April). Understanding others' actions: comparing active and observational experience. Poster to be presented at the biennial meeting of the International Society for Infant Studies, Vancouver, BC.

Sommerville, J. A. (2007, October). "Weight a minute": Twelve-month-old infants' problem-solving behavior reflects unseen properties of goal objects. Poster presented at the biennial meeting of the Cognitive Development Society, Santa Fe, NM.

Bernstein, D. M., Sommerville, J. A., Durham, J., & Hyunh, D.-H. (2007, June). When perspective taking fails: Lessons from children and adults. Paper presented at the annual meeting of the Jean Piaget Society, Amsterdam, The Netherlands.

Sobel, D. M. & Sommerville, J. A. (2007, June). Interventions and causal learning in young children. Paper presented at the annual meeting of the Jean Piaget Society, Amsterdam, The Netherlands.

Sommerville, J. A. (2007, April). Active Experience Matters: The Role of Motor Representations in Infants' Understanding of Other People's Tool use Goals. Paper

presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

Sommerville, J. A. & Schulz, L. E. (2007, April). The Hands Have It: Twelve-Month-Old Infants Recognize When Human Agency Alters Causal Structure. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

Crane, C. C. & Sommerville, J. A. (2007, April). Once a frog lover always a frog lover? Nine-month-old infants' ability to understand and use preference information. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

Feldman, E. N. & Sommerville, J. A. (2007, April). Tool Use in Infancy: Motoric Mastery, Featural Understanding, and Instrumental Applications. Paper presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

Hardy, K., Yamamota, M. E. & Sommerville, J. A. (2007, April). "I need a little help here": Eleven- and 12-month-old infants' use of social strategies during problem-solving tasks. Paper to be presented at the biennial meeting of the Society for Research in Child Development, Boston, MA.

Schulz, L. E., Sommerville, J. A. & Gopnik, A. (2005, July) Causal determinism and preschoolers' causal inferences. Paper presented at the Annual meeting of the Cognitive Science Society, Turin, Italy.

Sommerville, J. A. (2005, April). Discerning cause and effect: The role of first-person experience. Paper presented at the biennial meeting of the Society for Research in Child Development, Atlanta, Georgia.

Schulz, L. E. & Sommerville, J. A. (2005, April). God does not play dice: Causal determinism and children's inferences about unobserved causes. Paper presented at the biennial meeting of the Society for Research in Child Development, Atlanta, Georgia.

Brune, C. W., Sootsman Buresh, J. L., Woodward, A. L., Sommerville, J. A. & Uttich, K. (2005, April). Action experience and action understanding in 3-month-old infants. Poster presented at the biennial meeting of the Society for Research in Child Development, Atlanta, Georgia.

Sommerville, J. A. (2004, June). Getting a Grasp on Goal-directed Action: Intervention Facilitates Perception in Three-month-old Infants. Paper presented at the annual meeting of the American Psychological Society, Chicago, IL.

Sommerville, J. A. & Hammond, A. J. (2003, October). "Did I do that or did you do that?" Remembering "who" vs. remembering "what" in the context of joint activity. Paper presented at the biennial meeting of the Cognitive Development Society. Park City, UT.

Sommerville, J. A. & Hammond, A. J. (2003, April). "I did it all by myself": Exploring preschool children's source-monitoring errors. Poster presented at the biennial meeting of

the Society for Research in Child Development. Tampa, FL.

Sommerville, J. A. & Decety, J. (2003, April). A self-other representation network. Poster presented at the annual meeting of the Cognitive Neuroscience Society. New York, NY.

Sommerville, J. A. & Woodward, A. L. (2002, June). Learning through doing: Performing and understanding goal-directed action in infancy. Paper presented at the annual meeting of the Jean Piaget Society. Philadelphia, PA.

Sommerville, J. A. & Woodward, A. L. (2002, April) Infants' developing sensitivity to the intentional structure of action. Paper presented at the International Conference on Infant Studies, Toronto, Canada.

Sommerville, J. A. (2001, October). From one action to another: The relation between performing and perceiving goal-directed behavior in infancy. Paper presented at the biennial meeting of the Cognitive Development Society, Virginia Beach, VA.

Woodward, A. L., Sommerville, J. A., & Guajardo, J. J. (2001, April). The role of means-end knowledge in informing infants' understanding of goals: Two steps to intentional understanding. Paper presented at the biennial meeting of the Society for Research in Child Development, Minneapolis, MN.

Sommerville, J. A. & Woodward, A. L. (2000, July). Means-end reasoning and intentional understanding in infants. Poster presented at the International Conference on Infant Studies, Brighton, UK.

Sommerville, J. A., Guajardo, J. J., & Van Lente, E. (1999, October). Factors affecting childhood animism. Poster presented at the biennial meeting of the Cognitive Development Society, Chapel Hill, NC.

Sommerville, J. A. & Woodward, A. L. (1999, April). Developing notions of goal-directed action: Two potential mechanisms. A paper presented at the biennial meeting of the Society for Research in Child Development, Albuquerque, NM.

Sommerville, J. A. & Woodward, A. L. (1998, October). Does self-reaching play a role in the development of the ability to reason about human action? Poster presented at the Intentionality Conference, Eugene, OR.