

CURRICULUM VITAE

MARJORIE SOLOMON

PERSONAL DATA

Business address: University of California, Davis Health System
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Date of Birth: 11/14/59
Citizenship: USA

EDUCATION

1999 Ph.D. in Social and Personality Psychology
University of California, Berkeley
Respecialization in Clinical Psychology

1999-2002 CAAPIC-approved Internships in Clinical Psychology
Yolo County Mental Health
U.C. Davis Medical Center, Department of Family and Community
Medicine

1985 Masters in Business Administration
Stanford University, Graduate School of Business.

1981 B.A. in Latin American Studies, Magna Cum Laude
Harvard College.

LICENSURE

2003-present State of California
Licensed Psychologist, #PSY 18870

PROFESSIONAL POSITIONS: Psychology and Psychiatry

2003-2010 Assistant Professor of Clinical Psychiatry & Behavioral Sciences
University of California, Davis

2010-present Associate Professor of Clinical Psychiatry & Behavioral Sciences
University of California, Davis

2008-present School of Medicine Admissions Selection Committee

2007-present Autism Research Training Program (T-32 MH073124), Mentor

2009-present Building Interdisciplinary Research Careers in Women's Health (T-32;
BIRCWH), Mentor

2005-2006 Coordinator Family Support Core, Autism Phenome Project
 2005, 2009 Facilitator, Adolescence Module of Child Psychiatry Fellowship
 2000, 2010 Facilitator Introduction to the Physical Examination
 2000-2003 Post-Graduate Researcher, MIND Institute
 University of California, Davis

PROFESSIONAL POSITIONS: Business Administration

1988-1991 Strategic Planning Consultant for Medical Businesses
 The Wilkerson Group, NY, NY
 1985-1988 Associate in Health Care Finance
 Morgan Stanley & Co., NY, NY

PROFESSIONAL POSITIONS: Community Service

1991-1994 Board of Directors (President, 1992-1994)
 Jewish Family Service Agency of Sacramento, California
 1994-1996 Board of Directors
 FamiliesFirst of Davis, California
 1996-1997 Board of Directors
 Schwab-Rosenhouse Educational Trust,
 2005-2007 Member, Integrated Autism Project Advisory Committee
 PRIDE Industries
 2009 Strategic Plan Workgroup, Interagency Autism Coordinating Committee
 Department of Health and Human Services, Washington, DC
 2010-2012 Public Member, Interagency Autism Coordinating Committee
 Department of Health and Human Services, Washington, DC
 2013-2015 Elected Psychiatry Department Representative to the UC Davis Academic
 Senate

PROFESSIONAL AFFILIATIONS

2004-present International Society for Autism Research
 2000-present American Psychological Association
 2007-present Society for Neuroscience
 2007-present Cognitive Neuroscience Society
 2007-present Society of Biological Psychiatry

PEER-REVIEWED PUBLICATIONS

1. **Solomon, M.**, Frank, M.J., Ragland, J.D. Niendam, T.A., Lesh, T.A., Beck, J. Matter, J & Carter, S.C. (In Press). Feedback-driven Trial-by-Trial Learning in Autism Spectrum Disorder. American Journal of Psychiatry.

2. Kim K, Rosenthal MZ, Gwaltney M, Jarrold W, Hatt N, McIntyre N, Swain L, **Solomon M**, Mundy P. A Virtual Joy-Stick Study of Emotional Responses and Social Motivation in Children with Autism Spectrum Disorder. J Autism Dev Disord. 2014 Jan 17.

3. **Solomon, M.**, Yoon, J.H., Niendam, T.A., Ragland, J.D., Lesh, T. A., Fairbrother, W., & Carter, C.S. (in press). The development of the neural substrates of cognitive control in adolescents with autism spectrum disorders. Biological Psychiatry.
4. Schriber, R.A., Robins, R.W., & **Solomon, M.** (in press). Personality & Self-Insight in Individuals with Autism Spectrum Disorder. Journal of Personality & Social Psychology.
5. Silverman, J.L., Gastrell, P.T., Karras, M.N., **Solomon, M.**, Crawley, J.N. (in press). Cognitive abilities on transitive inference using a novel touchscreen technology for mice. Cerebral Cortex.
6. Niendam, T., Lesh, T.A., Ragland, J.D., **Solomon, M.**, Minzenberg, M., Yoon, J.Y. (in press). Impaired context processing as a potential marker of psychosis risk state. Psychiatry Research: Neuroimaging.
7. Swaab, T.Y., Boudewyn, M.A., Long, D. L., Luck, S. J., Kring, A., Ragland, J.D., Ranganath, C., Lesh, T., Niendam, T., **Solomon, M.**, Mangun, G. R., & Carter, C. S. (in press). Spared and Impaired Spoken Discourse Processing in Schizophrenia: Effects of local and global language context. (in press) Journal of Neuroscience.
8. Lesh, T.A., Westphal, A., Niendam, T.A., Yoon, J.H., Minzenberg, M.J., Ragland, J.D., **Solomon, M.**, & Carter, C.S. Proactive and Reactive Cognitive Control and Dorsolateral Prefrontal Cortex Dysfunction in First Episode Schizophrenia. (in press) Neuroimage: Clinical
9. Paz-Alonso, K., Ghetti, S., Ramsay, I., **Solomon, M.**, Yoon, J., Carter, CS, & Ragland, J.D. (in press) Effect of implicit associate strength and explicit encoding instructions on true and false memory in schizophrenia. Psychological Medicine.
10. Jarrold, W., Mundy, P., Gwaltney, M., Bailenson, J., Hatt, N., McIntyre, N., Kim, K. **Solomon, M.**, & Swain, L. (in press) Complex social attention in children with higher functioning autism: A virtual reality study. Autism Research.
11. Hileman, C., Vismara, L., & **Solomon, M.** (in press) Measuring Changes in Social Behavior during a Social Skills Intervention for Higher-Functioning Children and Adolescents with Autism Spectrum Disorder. *Journal of Autism and Development Disorders*. PMID: 23239098
12. Miller, M., Bales, K.L., Taylor, S. L., Yoon, J.H., Carter, C.S., & **Solomon, M.** (in press). Oxytocin and vasopressin in children with autism: Autism Research. PMID:23413037
13. Bales, K.L., Perkeybile, A.M., Conley, O.G., Lee, M.H., Guynes, C. D., Downing, G. M., Yun, C. R., **Solomon, M.**, Jacob, S., & Mendoza, S.P. (in press). Chronic Intranasal Oxytocin Causes Long-term Detriments in Social Behavior in an Animal Model. Biological Psychiatry. PMID: 23079235
14. Ravizza, S. **Solomon, M.**, Ivry, R., & Carter, C.S. (in press). Restricted and repetitive behaviors in autism spectrum disorders: the relationship of attention and motor deficits. Development and Psychopathology.

15. Yoon, J.H., Nguyen, D.V., McVay, L.M., Deramo, P., Minzenberg, M.J., Ragland, J.D., Niendam, T., **Solomon, M.**, & Carter, C.S. (2012). Automated classification of fMRI during cognitive control identifies more severely disorganized subjects with schizophrenia. Schizophrenia Research, 135(1-3):28-33. PMID:22277668
16. Ragland, J.D., Blumenfeld, R.S., Ramsay, I.S., Yonelinas, A., Yoon, J., **Solomon, M.**, Carter, C.S., Ranganath, C. (2012). Neural correlates of relational and item-specific encoding during working and long-term memory in schizophrenia. Neuroimage, 59(2):1719-26. PMID:21907293
17. **Solomon, M.**, Miller, M., Taylor, S., Hinshaw, S., & Carter, C.S. (2011-ePub) Autism Symptoms and Internalizing Psychopathology in Girls and Boys with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders. PMID: 21442362.
18. **Solomon, M.**, Olsen, E., Niendam, T., Ragland, J.D., Yoon, J., Minzenberg, M., & Carter, C. S. (2011). From lumping to splitting and back again: Atypical social and language development in individuals with clinical-high-risk for psychosis, first episode schizophrenia, and autism spectrum disorders. Schizophrenia Research. 131(1-3), 146-151. PMID: 21458242
19. **Solomon, M.**, Frank, M.J., Smith, A., Ly, S. & Carter, C.S. (2011). Probabilistic reinforcement learning in adults with autism spectrum disorders. Autism Research, 4(2), 109-120. PMID: 21425243
20. **Solomon, M.**, Frank, M.J., Smith, A., Ly, S. & Carter, C.S. (2011). Transitive inference in adults with autism spectrum disorders. Cognitive Affective Behavioral Neuroscience, 11, 437-449. PMID: 21656344
21. Ursu, S. Kring, A., Germans Gard, M., Minzenberg, M., Yoon, J.H., Ragland, J.D., **Solomon, M.**, & Carter, C. S. (2011). Prefrontal cortical deficits and impaired cognition-emotion interactions in schizophrenia. American Journal of Psychiatry, 168(3), 276-285. PMID: 21205806
22. Tracy, J., Robins, R. W., Schriber, R., & **Solomon, M.** (2011). Is emotion recognition impaired in individuals with autism spectrum disorders? Journal of Autism and Developmental Disorders, 41(1), 102-109. PMID:20464465
23. **Solomon, M.**, Bauminger, N., & Rogers, S.J. (2011). Abstract Reasoning and Friendship in High Functioning Preadolescents with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders. 41, 32-43. PMID: 20467797
24. Hannula, D.E., Ranganath, C., Ramsay, I.S., **Solomon, M.**, Yoon, J., Minzenberg, M.S., Ursu, S., Niendam, T.A., Carter, C.S., Ragland, J.D. (2010). Use of eye movement monitoring to examine item and relational memory in schizophrenia. Biological Psychiatry, 68(7), 610-616. PMID: 20673874
25. Bauminger, N., **Solomon, M.**, & Rogers, S. J. (2010). Predicting friendship quality in autism spectrum disorders and typical development. Journal of Autism and Developmental Disorders, 40(6):751-61. PMID: 20039110

26. Bauminger, N., & **Solomon, M.**, Rogers, S.J. (2010). Externalizing and internalizing behaviors in autism spectrum disorders. Autism Research, 3(3):101-12. PMID: 20575109
27. **Solomon, M.**, Ozonoff, S., Ursu, S., Ravizza, S., Cummings, N., Ly. Stanford, & Carter, C.S. (2009), The neural substrates of cognitive control deficits in autism spectrum disorders. Neuropsychologia, 47(12), 2515-2526. PMID: 19410583.
28. **Solomon, M.**, Hessel, D., Chiu.S., & Hendren, R. (2009). Towards a neurodevelopmental model of case formulation. Psychiatry Clinics of North America, 32(1), 199-211. PMID: 19248925
29. Geurts, H., Corbett, B., & **Solomon, M.** (2009). The paradox of cognitive flexibility in autism spectrum disorders. Trends in Cognitive Science, 13(2), 74-82. PMID: 19138551
30. **Solomon, M.**, Ono, M., Timmer, S., & Goodlin-Jones, B. (2008). A pilot study of the effectiveness of Parent Child Interaction Therapy (PCIT) for children on the autism spectrum. Journal of Autism and Developmental Disorders, 38(9), 1767-1776.
31. Nordahl, C.W., Simon, T.J., Zierhut C., **Solomon, M.**, Rogers S.J., Amaral, D. G. (2008). Methods for acquiring structural MRI data in very young children with autism without the use of sedation. Journal of Autism and Developmental Disorders, 38, 1581-1590.
32. Bauminger, N., **Solomon, M.**, Aviezar, A., Heung, K., Brown, J., & Rogers, S.J. (2008). Friendship in high-functioning children with autism spectrum disorder: Mixed and non-mixed dyads. Journal of Autism and Developmental Disorders, 38, 1211-1229.
33. Bauminger, N., **Solomon, M.**, Aviezar, A., Heung, K., Guzit, Brown, J., & Rogers, S.J. (2008). Children with autism and their friends: a multidimensional study of friendship in high-functioning ASD. Journal of Abnormal Child Psychology, 36, 135-150.
34. **Solomon, M.**, Ozonoff, S., Carter, C.S., & Caplan, R. (2008). Formal thought disorder and the autism spectrum: Relationship with symptoms, executive control, and anxiety. Journal of Autism & Developmental Disorders, 38, 1474-1484.
35. **Solomon, M.**, Ozonoff, S. J., Cummings, N., & Carter, C.S. (2008). Cognitive control in autism spectrum disorders. International Journal of Developmental Neuroscience, 26, 239-247.
36. **Solomon, M.**, Hessel, D., Chiu, S., Hagerman, R., & Hendren, R.L. (2007). Genetic Etiology of PDD Guides Treatment. American Journal of Psychiatry, 164,4, 575-580.
37. Ozonoff, S., Goodlin-Jones, B., & **Solomon, M.** (2005). Evidence-based assessment of autism spectrum disorders in children and adolescents. Journal of Clinical Child and Adolescent Psychiatry, 34, 523-540.
38. **Solomon M.**, Goodlin-Jones B.L., Anders T.F. (2004). A social adjustment enhancement intervention for high functioning autism, Asperger's Syndrome, and Pervasive Developmental Disorder NOS. Journal of Autism and Developmental Disorders, 34(6), 649-668.

39. **Solomon, M.** (2000). The fruits of their labors: A longitudinal exploration of parent personality and adjustment in their adult children. Journal of Personality. 68, 281-308.

40. Harker, L., & **Solomon, M.** (1998). Change in goals and values of men and women from early to mature adulthood. Journal of Adult Development, 3, 133-143.

BOOK CHAPTERS AND OTHER PUBLICATIONS

1. **Solomon, M.**, (2011) What are Executive Functions? In S. Bolte & H. Hallmayer (Eds.) Autism Spectrum Conditions. Cambridge: Hogrefe Publishing.

2. Ozonoff, S. J., Goodlin-Jones, B.L., & **Solomon, M.** (2007). Assessment of autism spectrum disorders. In E.J. Mash & R. AL. Barkley (Eds.). Assessment of childhood disorders 4th Edition. New York: Guilford.

3. Ozonoff, S. J., Pennington, B. F., & **Solomon, M.** (2006) Neuropsychological Perspectives on Developmental Psychopathology. In D. Cicchetti (Ed.), Developmental psychopathology, second edition. New York: Wiley.

4. **Solomon, M.**, & Hendren, R. L. (2003). A critical look at brain-based education. Middle Matters, 12, 1-3.

5. Goodlin-Jones, B., & **Solomon, M.** (2003) Contribution of psychology. In S. Ozonoff, S. Rogers, & R. Hendren (Eds.), Issues in autism spectrum disorders: A research review for practitioners. Arlington, VA: APPI Press.

6. Mastergeorge, A., Rogers, S., Corbett, B., & **Solomon, M.** (2003). Educational, social & behavioral treatment. In S. Ozonoff, S. Rogers, & R. Hendren (Eds.), Issues in autism spectrum disorders: A research review for practitioners. Arlington, VA: APPI Press.

7. Helson, R., Pals, J., & **Solomon, M.** (1997). Is there Adult Development Distinctive to Women? In R. Hogan, J. Johnson, & S. Briggs (Eds.), Handbook of Personality Psychology (pp. 291-314). San Diego, CA: Academic Press.

SELECTED CONFERENCE PRESENTATIONS

Solomon, M., Titone, M., Ashby, S., Benavidez, M., Carter, C.S., & Niendam, T. Correlates of Atypical Development and PDD Traits in Early Psychosis. Poster presented at the Society for Research in Psychopathology. Oakland, California, September 2013.

Solomon, M., Frank, M.J., Smith, A., Ragland, J.D., Minzenberg, M., Niendam, T.A., Yoon, J., Lesh, T., & Carter, C.S. Probabilistic reinforcement learning in young adults with autism spectrum disorders reflects cognitive control deficits. Poster presented at the International Meeting for Autism Research. San Sebastian, Spain. May 2013.

Beck, J., Oswald, T., Jarrold, W., Kim, K., Gwaltney, M., McIntyre, N., Novotny, S., Swain, L., Mundy, P.C., & **Solomon, M.**, Transitive Inference Learning in Children and Adolescents with

ASD. Poster presented at the International Meeting for Autism Research. San Sebastian, Spain. May 2013.

Solomon, M., Frank, M.J., Smith, A., Ragland, J.D., Minzenberg, M., Niendam, T.A., Yoon, J., Lesh, T., & Carter, C.S. Probabilistic reinforcement learning in young adults with autism spectrum disorders reflects cognitive control deficits. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, Florida. December 2012.

Hileman, C., & **Solomon, M.** Tracking changes in Social Skills: Weekly Behavioral Coding During a Social Skills Intervention Group. Poster presented at International Meeting for Autism Research. Ontario, Canada. May 2012

Gastrell, P.T., Karras, M.N., **Solomon, M.**, Silverman, J.L., & Crawley, J.N. New Touch Screen technology for Evaluating Cognitive Flexibility in Mouse Models of Autism. Poster presented at International Meeting for Autism Research. Ontario, Canada. May 2012

Solomon, M., Yoon, J., Niendam, T.A., Lesh, T.A., Ragland, J.D., Minzenberg, M., Fairbrother, W. & Carter, C.S. Neural Correlates of the Development of Cognitive Control in Adolescents with Autism Spectrum Disorders. Poster presented at the Society of Biological Psychiatry Annual Meeting in Philadelphia, Pennsylvania. May 2012.

Niendam, T.A., Lesh, T.A., Miskovich, T., **Solomon, M.**, Ragland, J.D., Yoon, J., Minzenberg, M., & Carter, C.S. Associations Between Age-at-Onset and Context Processing in First Episode Schizophrenia. Poster presented at the Society of Biological Psychiatry Annual Meeting in Philadelphia, Pennsylvania. May 2012.

Lesh, T.A., Niendam, T.A., Minzenberg, M., Yoon, J., Ragland, J.D., **Solomon, M.** & Carter, C.S. (2012, May). Distinct Trajectories of Cognitive Control Deficits in First Episode Psychosis Patients with Schizophrenia and Bipolar Disorder. Poster presented at the Society of Biological Psychiatry Annual Meeting in Philadelphia, Pennsylvania.

Niendam, T.A., Hutchison, N., Ragland, J.D., Yoon, J.H., **Solomon, M.**, Minzenberg, M. & Carter, C.S. Impaired Context Processing as a Potential Marker of Risk in Clinical-High-Risk Youth. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Kailua-Kona, Hawaii. December 2011.

Ragland, J.D., Libby, L.A., Montchal, M.E., Phillips, J., Varadarajan, A., Lesh, T.A., Minzenberg, M., Niendam, T.A., **Solomon, M.**, Yoon, J., Carter, C.S. & Ranganath, C. Functional Connectivity of Perirhinal and Parahippocampal Cortices in Patients with Schizophrenia. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Kailua-Kona, Hawaii. December, 2011.

Seymour, B., **Solomon, M.**, Niendam, T., Ragland, D., Yoon, J.H., & Carter, C. S. Psychopathology and Adaptive Functioning in Individuals with Autism Spectrum Disorders, First-Episode Psychosis, and Clinical High-Risk. International Congress on Schizophrenia Research. Colorado Springs, Colorado. April 2011.

Niendam, T., Ragland, J.D., Dean, Y.M., Westphal, A., Auther, A., Cornblatt, B., Yoon, J.H., Minzenberg, M., **Solomon, M.**, Cook, W., McFarlane, W. & Carter, C. Impaired Prefrontal Functioning as a Marker of Psychosis Risk State. Oral presentation at the International Congress on Schizophrenia Research in Colorado Springs, CO. April 2011.

Solomon, M., Frank, M.J., Smith, A., Ly, S., & Carter, C. S. The neural substrates of probabilistic reinforcement learning in young adults with autism spectrum disorder. Cognitive Neuroscience Society, San Francisco, California. April 2011.

Miller, M., Hinshaw S. P., Carter, C. S., & **Solomon, M.**, Oxytocin and Vasopression in Girls and Boys with ASDs. International Meeting for Autism Research, Cognitive Neuroscience Society, San Francisco, California. May, 2011.

Solomon, M., Frank, M.J., Smith, A., Ly, S., & Carter, C. S. The Neural Substrates of Reinforcement Learning in Autism. International Meeting for Autism Research, San Diego, California. May 2011.

Miller, M., Hinshaw S. P., Carter, C. S., & **Solomon, M.**, Oxytocin and Vasopression in Girls and Boys with ASDs. International Meeting for Autism Research, San Diego, California. May 2011.

Jarrold, W., Gwaltney, M., Hatt, N.V., **Solomon, M.**, Ozonoff, S. J., & Mundy, P.C. A Virtual Reality Study of Complex Social-Attention in School-Aged Children with Autism International Meeting for Autism Research, San Diego, California. May 2011.

Solomon, M., Frank, M.J., Smith, A., Ly, S., & Carter, C. S. Cognitive Control Mechanisms Underlying Impaired Learning in adults with Autism Spectrum Disorders. International Meeting for Autism Research, Philadelphia, Pennsylvania. May 2010.

Seymour, B., **Solomon, M.**, Niendam, T., Ragland, D., Yoon, J.H., & Carter, C. S. Psychopathology and Adaptive Functioning in Individuals with Autism Spectrum Disorders, First-Episode Psychosis, and Clinical High-Risk. International Meeting for Autism Research, Philadelphia, Pennsylvania. May 2010.

Miller, M., Hinshaw S. P., Carter, C. S., & **Solomon, M.**, Pretending to be Normal Reconsidered: Autism Symptoms and Internatilizing Psychopathology in Girls and Boys with ASDs. International Meeting for Autism Research, Philadelphia, Pennsylvania. *This poster was nominated for a Ritvo Slivka Innovation Award.* May 2010.

Stoddard, J., **Solomon, M.**, Niendam, T., Hendren, R., Ragland, J.D., Minzenberg, M., Yoon, J., Ursu, S., Carter, C. & Simon, T.J. The Schizophrenia Spectrum Phenotype in Adolescents with Chromosome 22q11.2 Deletion Syndrome: Its Relationship to the Autism Spectrum. American Academy of Child & Adolescent Psychiatry (AACAP), Honolulu, Hawaii. October 2009

Niendam, T., Ragland, J.D., Auther, A., Cornblatt, B., Yoon, J.H., Minzenberg, M., **Solomon, M.**, Cook, W., McFarlane, W. & Carter, C. S. Behavioral & fMRI Studies of Prefrontal Cortex in Clinical-High-Risk Early Psychosis. America College of Neuropsychopharmacology (ACNP) in Hollywood, Florida. December 2009.

Niendam, T., Ragland, J.D., Auther, A., Cornblatt, B., Yoon, J.H., Minzenberg, M., **Solomon, M.**, Cook, W., McFarlane, W. & Carter, C. *Behavioral & fMRI Studies of Prefrontal Cortex in Clinical-High-Risk Early Psychosis*. Society of Biological Psychiatry Annual Meeting in New Orleans, Louisiana. May 2010.

Solomon M., Frank, M.J., Smith, A., Ly. S., & Carter, C. S. Learning in ASDs: Probabilistic Selection and Transitive Inference. American College of Neuropsychopharmacology, December 2009.

Geurts, H. M., Corbett, B.A. and **Solomon, M.** The Paradox of Cognitive Flexibility in Autism. Abstract accepted to International Meeting for Autism Research. May 2009.

Ly, S., Solomon, M., Yoon, J.H., & Carter, C.S. The Development of Cognitive Control in Children with Autism Spectrum Disorders. Abstract accepted to International Meeting for Autism Research. May 2009.

Solomon M., Frank, M.J., Ly. S., & Carter, C. S. Learning in ASDs: Probabilistic Selection and Transitive Inference. Abstract accepted to International Meeting for Autism Research. May 2009.

Schriber, R. A, Tracy, J., Robins, R.W., & **Solomon, M.** Is Emotion Recognition Impaired in High Functioning Individuals with ASDs? Abstract accepted to International Meeting for Autism Research. May 2009.

Sullivan, R. J., **Solomon, M.**, Minzenberg, M., Ragland, J.D., Yoon, J., Ursu, S., Ermer, S., Carter, C.S.. Are Social Deficits Content Dependent? Wason Selection Task Performance in ASD and Schizophrenia? Abstract accepted to International Meeting for Autism Research. May 2009.

Olsen E., **Solomon, M.**, Minzenberg, M., Ragland, J.D., Ursu, S., Yoon, J., Niendam, T., & Carter, C. S. Shared Social Deficits in Autism Spectrum Disorders, First Episode Schizophrenia and Ultra High Risk for Psychosis Patients. Abstract accepted to International Meeting for Autism Research. May 2009.

Solomon M., Frank, M.J., Ly. S., & Carter, C. S. Learning in ASDs: Probabilistic Selection and Transitive Inference. Abstract accepted to Society of Biological Psychiatry. April 2009.

Bauminger, N., **Solomon, M.**, & Rogers, S. Predicting Friendship Quality in Autism Spectrum Disorders (ASD): Annual Meeting of Society of Research in Child Development; April 2, 2009

Solomon, M. Chair and Discussant: Panel on Using Parent Child Interaction Therapy (PCIT) for children on the autism spectrum, 8th National PCIT Conference: Sacramento, CA: October 2008.

Solomon, M., Olsen, E., Minzenberg, M., Ragland, J.D., Ursu, S., Yoon, J., & Carter, C. S. Autism Spectrum Disorder Symptoms in first Episode and Ultra High Risk Patients. Poster accepted for 6th International Conference on Early Psychosis. Melbourne, Australia: October 2008.

Solomon, M., Frank, M., Kaluzhny, P., Ursu, & Carter, C.S. Learning in autism and its relationship to psychopathology. Society for Biological Psychiatry. Washington, DC: May 2008.

Solomon, M., Frank, M., Kaluzhny, P., Ursu, & Carter, C.S. Learning in autism. Cognitive Neuroscience Society, San Francisco, CA: May 2008.

Ursu, S., Kring, A.M., Gordon-McKeon, S., Minzenberg, M.J., Yoon, J.H., Ragland, J.D., **Solomon, M.**, & Carter, C.S., Society of Biological Psychiatry, 2008.

Ragland, J.D., Blumenfeld, R., Yoon, J.H., Minzenberg, M., Ursu, S., Solomon, M., Carter, C.S., & Ranganath, C Prefrontal Control of Item-Specific versus Relational Working Memory and Long-Term Memory Encoding in Schizophrenia. Abstract accepted for Society of Biological Psychiatry 2008.

Ravizza, S. M., **Solomon, M.**, Kaluzhny, P., Ivry, R. B., and Carter, C. S. Basal ganglia and cerebellar motor contributions to attentional processes in autism. Cognitive Neuroscience Society, San Francisco, CA: 2008.

Solomon, M., Ono, M., Timmer, S., & Goodlin-Jones, B. The effectiveness of Parent Child Interaction Therapy (PCIT) for children on the autism spectrum, October 2007.

Solomon, M., Invited Co- Chair Neurobiological Commonalities Across Disorders: Society for the Study of Behavioral Phenotypes. 10th Annual International Symposium MIND Institute, Sacramento, CA: 11-13 October 2007

Solomon, M., Ozonoff, S.J., Ursu, S., Ravizza, S., Cummings, N.& Carter, C.S. The neural substrates of cognitive control in autism. Journal of Intellectual Disability Research 51(9) p. 657, 2007.

Solomon, M., Ozonoff, S.J., Ursu, S., Ravizza, S., Cummings, N.& Carter, C.S. The neural correlates of cognitive control in autism. Poster at IMFAR May 2007.

Cummings, N. & **Solomon, M.** Parents perceptions of circumscribed interests in autism. Poster accepted at IMFAR May 2007.

Bauminger, N., Rogers, S.J. & **Solomon, M.** Friendship in high functioning autism spectrum disorders: mixed and nonmixed dyads. Poster at IMFAR May 2007.

Solomon, M., Bauminger, N. & Rogers, S. J. Abstract reasoning, friendship, attachment & dyadic play skills in children with autism spectrum disorders. Part of "Social, Affective, & Cognitive Correlates of Social Relationships: Implications for Understanding the Social Deficit in Autism." Symposium presented at the Society for Research in Child Development, March 2007.

Caplan, R., Dapretto, M., Bearden, C., Petersen, B. & **Solomon, M.**, Thought Disorder in Children and fMRI. Symposium presented at the American Academy of Child and Adolescent Psychiatry, October 2006.

Solomon, M., Ozonoff, S., Cummings, N. & Carter, C. S. The Functional Neuroimaging of Cognitive Control in Autism. Poster abstract accepted Society for Neuroscience, October 2006.

Solomon, M., Ozonoff, S., Rohlfes, M. & Carter, C. S. Cognitive Control in Autism. Poster presented at Society for Neuroscience, October 2005.

Solomon, M., Ozonoff, S., & Carter, C. S. Cognitive Control in Autism. Poster presented at Department of Psychiatry Research Retreat, October 2005.

Solomon, M., Goodlin-Jones, & Ono. Parent Child Interaction Therapy (PCIT) for children on the autism spectrum, International Meeting for Autism Research, Boston, MA, May 2005.

Brown, **Solomon**, Bauminger, & Rogers. Concept Formation and Concept Identification in Autism, International Meeting for Autism Research, Boston, MA, May 2005.

Isaacson, **Solomon**, & Crone. Results of a Gambling Task in Children with Autism Spectrum Disorders, International Meeting for Autism Research, Boston, MA, May 2005.

Solomon, Goodlin-Jones, & Ono. Parent Child Interaction Therapy (PCIT) for children on the autism spectrum, Summer Institute on Neurodevelopment, Sacramento, CA, August 2005.

Solomon, Ozonoff, & Rivera. *The Neurobiology of Circumscribed Interests in Autism*. Summer Institute on Neurodevelopment, Sacramento, CA, August 2005.

Rivera, Koldewyn, Henry, & **Solomon**. *A Go/No-Go Task in autism*. Society for Neuroscience, San Francisco, CA, December 2004.

Solomon, M., Goodlin-Jones, B., Winn, C., & Ono, M. (2004, August) Preliminary results of a cognitive behavioral intervention for children with autism spectrum disorders. M.I.N.D. Summer Institute on Neurodevelopmental Disorders, Sacramento.

Solomon, M., Goodlin-Jones, B., Winn, C., & Ono, M. (2004, March) Preliminary results of a cognitive behavioral intervention for children with autism spectrum disorders. California Association of Child Psychologists.

Solomon, M., Goodlin-Jones, B., Winn, C., & Ono, M. (2003, August) Using Parent Child Interaction Therapy for Children with Autism Spectrum Disorders. M.I.N.D. Summer Institute on Neurodevelopmental Disorders, Sacramento

Solomon, M., & Goodlin-Jones, B. (2003, February) Social skills training for ASDs: Reflections on 40 weeks of training. Annual Research Meeting, M.I.N.D. Institute.

Solomon, M., & Goodlin-Jones, B. (2002, October). A Social Adjustment Enhancement Intervention for Children with High function Autism, Asperger's Syndrome, and PDD-NOS: Results from the Second Wave of the Study. I.M.F.A.R.

Ozonoff, S., Provençal, S., & **Solomon, M.** (2002, October) Social Skills Training for High Functioning PDD. Academy of Child and Adolescent Psychiatry, San Francisco.

Solomon, M. (2002, August). Teaching Social Skills to Children with High functioning Autism, Asperger Syndrome, and PDD-NOS. M.I.N.D. Institute Summer Institute, Sacramento.

Solomon, M. (2002, May). A Social Adjustment Enhancement Intervention. Presentation to M.I.N.D. Grant Recipients, Sacramento, May.

Solomon, M. (1997, August). Characteristics of Parents that Predict Young Adult Child Outcomes. Part of Symposium on Personality and Relationships in Adulthood. American Psychological Association Annual Conference, Chicago.

Solomon, M. (1996, October). The Mills Women and their Children. Presentation to The Gordon Allport Society, Berkeley.

Solomon, M., & Harker, L. (1995, October). Changes in Goals from Young Adulthood to the 50s. Part of a Symposium on Personality Development from the Perspective of the 50s. Gerontological Society of America Annual Conference, Los Angeles.

SELECTED INVITED ADDRESSES

Solomon, M. Higher Cognition in Autism Spectrum Disorders. Invited Address at UC Merced Cognitive Science Colloquium. Merced, California. April 2013.

Solomon, M. Friendships in Adolescence: Developmental Challenges in those with Autism Spectrum Disorders. Invited Educational Symposium. International Meeting for Autism Research. Ontario, Canada. May 2012.

Solomon, M. Helping Adolescents with Autism Spectrum Disorder to Develop Social Skills. Invited Address, MINDs Behind the MIND Lecture Series. UC Davis Health System. April 2012.

Solomon, M. College Students with Autism Spectrum Disorders. Keynote address to Student Disability Awareness Day, U.C. Davis. October 2011.

Solomon, M. The Cognitive Neuroscience of Autism Spectrum Disorders. National Institute of Mental Health: Summer Institute on Cognitive Neuroscience, Santa Barbara. June 2011.

Solomon, M. the Development of Friendships in Individuals with Autism Spectrum Disorders: School Age and Beyond. Presentation to Johns Hopkins University, Continuing Medical Education. February 2011.

Solomon, M. Translating Human Symptoms of Autism to Animal Models. Presentation to the Laboratory of Jacqueline Crowley, National Institute of Mental Health. January 2011.

Solomon, M. Understanding the Relationship between Autism and Schizophrenia. Presentation to the 5th Annual Psychotic Disorder Conference. UC Davis, Continuing Medical Education. October 2010.

Solomon, M. Autism and College Students. Sacramento State University, Counseling Services. November 2010.

Solomon, M. Social Skills Intervention for High Functioning Children with Autism Spectrum Disorders. Minds Behind the MIND lecture series. April 2010

Ozonoff, S., **Solomon, M.**, Brown, J. New developments in autism spectrum disorder research. Minds Behind the MIND lecture series. April 2008.

Solomon, M. (2008). Intervention for high functioning children with autism spectrum disorders. Central Valley Regional Center.

Solomon, M. (2006). Executive Functions and Social Cognition in Autism Spectrum Disorders. Presentation to Specialized Studies Program in Autism. Sacramento County Office of Education and MIND Institute.

Solomon, M. (2006). Adults with Autism Spectrum Disorders. PRIDE Industries Integrated Autism Advisory Committee. May 2006.

Solomon, M. (2004, September) Modifying PCIT for children on the autism spectrum. Child Abuse and Neglect Conference, Sacramento.

Solomon, M. (2004, January) Using Parent Child Interaction Therapy to Help Children with Autism Spectrum Disorders, Presentation to M.I.N. D. Institute Community Forum

Solomon, M (2003, August) Identifying Children with Autism Spectrum Disorders. Address to Shalom School Teachers

Solomon, M. (2003, July) Using Parent Child Interaction Therapy with Children with Autism Spectrum Disorders. Address to Parent Child Interaction Therapy Annual Symposium, Sacramento, CA

Solomon, M. (2003, April) Social Adjustment Enhancement: Helping Children with autism spectrum disorders and their families. Job Talk to Faculty of the Department of Psychiatry, U.C. Davis School of Medicine.

Solomon, M. (2003, March) What's new in autism research? Presentation to annual fund raising meeting of the ORION Academy, Moraga.

Solomon, M. (2003, March) Screening for autism spectrum disorders in the Latino community. Presentation to the parent support network. Lodi.

Solomon, M. (2001, April). Teaching Social Skills to Children with High Functioning Autism, Asperger Syndrome, and PDD-NOS. Presentation to Sacramento County Department of Education, Sacramento.

Solomon, M. (1999, March). Autism spectrum disorders and intellectual giftedness. Presentation to rapid learner program class teachers. Sacramento.

EDITORIAL AND REVIEW ACTIVITIES

Ad Hoc Journal Reviewer: Journal of Autism and Developmental Disorders, Autism, Autism Research, Biological Psychiatry, American Journal of Psychiatry, Cognition and Emotion, Development and Psychopathology, Nature Neuroscience, Neuropsychology, Archives of General Psychiatry, Neuroscience and Biobehavioral Reviews, Psychology Bulletin, Journal of Developmental and Behavioral Pediatrics

Grant Reviewer: Autism Speaks, Department of Psychiatry, MIND Institute

GRANTS

Under Review

R21: Neural Substrates of Depression and Self-Esteem in ASD PI (Solomon) NIMH, NICHD, NINDS \$275,000

R01: Predictors of Cognitive Development in ASD PI (Solomon) NIMH/NICHD \$2,978,101

Neurophenotypic Trajectories and Behavioral Outcomes in ASD PI (Amaral) NIMH \$3,652,552

Pre-Adolescent Follow-Up of Children with ASD in the CHARGE Study Co-PIs (Hertz-Picciotto & Schweitzer) NICHD Resubmission (28%) \$3,849,999

Ongoing

1R21 MH099250-01 (Solomon)
NIMH

9/1/12-8/31/14 (NCE)

\$275,000

3.6 calendar

The Neural Substrates of Higher-Level Learning in Autism

Role: Principal Investigator

This grant uses neurocognitive and neuroimaging measures to examine neural mechanisms underlying higher-level learning deficits in adolescents with ASD. The significance of the work lies in the mechanistic models of ASD and in linking higher level learning deficits to real-life outcomes in academic performance, social problem solving, and restricted interests and repetitive behaviors.

R324A120168 (Mundy)
IES

3/1/12-2/28/16

\$1,548,490

1.2 calendar

Virtual Reality Applications for the Study of Attention and Learning in

Role: Senior Scientist

This grant will enable us to study social attention and its impact on classroom learning in children and adolescents with ASD. There is no overlap.

1 R01 (Bales)

7/05/12-5/31/2017

NICHD

\$1,803,902

1.2 calendar

Effects of Chronic Intranasal Oxytocin

Role: Co- Investigator

This grant examines the long term effects of intranasal oxytocin in voles and rhesus monkeys to investigate the safety of their use as medications for humans with disorders involving social cognition. There is no overlap.

Completed Support

NIMH: 1-K-08 MH074967-01

8/1/07-8/1/12

Cognitive Control in Autism (PI: Solomon)

\$778,566

This training grant will enable the PI to receive more formalized training in cognitive neuroscience and functional magnetic resonance imaging (fMRI) in order to study context maintenance, and set shifting in individuals with autism spectrum disorders, and to investigate the relationship between cognitive control and restricted and repetitive behaviors in autism.

NARSAD

12/30/09-12/30/11

Learning in Autism Spectrum Disorders (PI: Solomon)

\$60,000

This mentored award (Carter & Frank are Mentors) will enable us to complete a functional neuroimaging study of learning in adults with ASDs.

AutismSpeaks/Community Services Grant

7/01/10-6/30/11

A Comprehensive Orientation and Integration Program for College Students with ASDs (PI: Solomon)

\$20,000

This grant funds a pilot program to provide an orientation and a social skills program for incoming UCD students with ASDs.

MIND Pilot Award

7/1/08-6/31/09

Is Being a Boy a Risk Factor for Developing Autism?

\$25,000

Neuropeptides and Autism (PIs: Solomon & Bales)

This grant will fund collection of oxytocin and vasopressin assays in samples of boys and girls with typical development and autism to establish baseline levels and relate them to behavior.

Autism Speaks/ National Alliance for Autism Research

11/1/07-10/31/09

Motivation & Cognitive Control in Autism (PI: Solomon)

\$120,000

This functional neuroimaging study will investigate motivation and reward processing of non-social incentives in individuals with autism.

NIH: Building Interdisciplinary Research Careers in Women's Health (BIRCWH)

7/1/06-6/31/07

\$135,000

The Cognitive Neuroscience of Autism Spectrum Disorders in Girls (PI: Solomon)

This study will use functional neuroimaging and behavioral methods to explore the phenotype of autism in girls.

M.I.N.D. Institute Pilot Research Award

7/1/06-6/30/07

Cognitive Control in Autism (PI: Solomon)

\$24,000

This grant funds RA support to obtain pilot data used in a study of cognitive control in autism.

Imaging Research Center Pilot Award

2006

Cognitive Control in Autism (PI: Solomon) \$15,000
This grant funds functional neuroimaging scans used in this pilot study of cognitive control in autism .

UCD School of Medicine Health Services Research Award 7/1/03-6/30/06
Characterization of Circumscribed Interests in Autism (PI: Solomon) \$150,000

Autism Coalition 2004
The Neurobiology of Circumscribed Interests in Autism (PI: Solomon) \$31,500

Children's Miracle Network 2002-2004
Using Parent-child Interaction Training with Oppositional Children \$21,000
with Asperger Syndrome (Co-PI: Solomon)

CONTRACTS

Assessment Contract with Horizon Home School to provide one autism assessment per month, 4/04
Consultation for a classroom for children with Asperger Syndrome. River Oak Center for Children. \$12,000, 3/03.

HONORS AND AWARDS

Accepted to John Merck Summer Fund Institute on Developmental Disabilities, 6/03
M.I.N.D. Institute, M.I.N.D. Scholar Postgraduate Fellowship, 2000-2003
National Science Foundation, Graduate Research Fellowship, Commendation, 1994.
Magna Cum Laude, 1981

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