



Marjorie Solomon, Ph.D., M.B.A.

Clinical Interests

Dr. Solomon is a Professor of clinical psychiatry in the Department of Psychiatry and Behavioral Sciences. She is on the faculty of the MIND Institute and of the postdoctoral Autism Research Training Program.

Dr. Solomon is a licensed psychologist whose primary clinical work is focused on high functioning children, adolescents, and young adult with ASD. She studies and implements clinical intervention programs focused on the acquisition of social and life skills for these individuals. Solomon published a waiting list controlled trial of a social skills intervention model which was cited as one the only RCTs of this form of intervention by Rao, Beidel, & Murray (2008) and more recently was considered 1 of the 5 RCTs in the field (Reichow, Steiner, & Volkmar, 2012).

With her students, she has been one of the few researchers to address measurement issues in social skills intervention. Solomon and colleagues also were the first group to publish a trial of Parent Child Interaction Therapy (PCIT) in children with ASD. Currently, Solomon's Laboratory is funded by the Behavioral Health Center of Excellence to pilot test an adaptive functioning intervention for young adults with ASD that is validated in the chronic mental illness field.

Research/Academic Interests

Dr. Marjorie Solomon is an Professor in the Department of Psychiatry and Behavioral Sciences, the MIND Institute, and the Imaging Research Center. She holds a BA from Harvard College, and a PhD in Psychology from UC Berkeley. She also is a licensed clinician with a broad background in clinical assessment and psychosocial intervention for higher functioning individuals with autism spectrum disorders (ASD). In 2007, she received a K08 Career Development Award to use cognitive neuroscience methods including fMRI to study higher cognition. From 2012-2012, Solomon served as an appointee of HHS Secretary Kathleen Sebelius to the InterAgency Autism Coordinating Committee (IACC).

Solomon's current research examines cognitive development in individuals with ASD through the lifespan using neuropsychology and cognitive neuroscience methods including functional magnetic resonance imaging (fMRI). She currently is funded by NIMH to examine intellectual and cognitive functioning in middle childhood (ages 8-12); to isolate behavioral and neurobiological predictors of developmental trajectories of intellectual functioning between early and middle childhood; and to test two mechanistic models of the effects of early intensive behavioral intervention on middle childhood outcomes related to academic, social, and adaptive functioning by conducting a follow-up study of a large, well-characterized, and relatively recent longitudinal cohort of children with ASD and typical development who were first assessed in early childhood (ages 2-3) as part of the MIND Institute Autism Phenome Project (APP). She also recently received funding from NIMH to initiate a longitudinal cohort sequential study of the development of cognitive control, memory,



Marjorie Solomon, Ph.D., M.B.A.

mental health, family factors, and adaptive functioning, and life outcomes in a cohort of adolescents and young adults ages 12-27 at the end of the year.

Solomon's ultimate goal is to apply what she learns through her neuroscience investigations to the development of interventions – the area where she began her career at the MIND, and one she continues to develop as the Director of the MIND social skills training group program. She is fortunate to have received philanthropic funding for this program from Joyce and Jim Teel for the Thomas P. Raley Foundation. An Endowed Chair from the Oates Family Foundation and funding from the UC Davis Behavioral Health Center of Excellence has permitted her to further develop intervention programs for adults with ASD.

Title	Professor
Specialty	Clinical Psychology, Psychiatry
Department	Psychiatry and Behavioral Sciences
Division	Child and Adolescent Psychiatry
Center/Program Affiliation	UC Davis MIND Institute Imaging Research Center
Address/Phone	UC Davis MIND Institute, 2825 50th St. Sacramento, CA 95817 Imaging Center, 4701 X St. Sacramento, CA 95817 Phone: 916-734-3944
Additional Phone	Physician Referrals: 800-4-UCDAVIS (800-482-3284)
Education	Ph.D., UC Berkeley School of Medicine, Berkeley CA 1999 M.B.A., Stanford Graduate School of Business, Stanford CA 1997 B.A., Harvard University, Cambridge MA 1981
Fellowships	University of California, Davis Medical Center, Sacramento CA 2000-2003 University of California, Davis, Medical Center, Sacramento CA 1999-2000
Professional Memberships	American College of Neuropsychopharmacology Biological Psychiatry Cognitive Neuroscience Society International Society for Autism Research



Marjorie Solomon, Ph.D., M.B.A.

Honors and Awards

Organization for Human Brain Mapping
Society for Neuroscience
Oates Family Endowed Chair in Life Span Development in Autism
Member American College of Neuropsychopharmacology
Member InterAgency Autism Coordinating Committee, 2010
Member IMFAR Program Committee, 2010
Member IMFAR Scientific Committee, 2013

Select Recent Publications

Solomon, M., Bauminger, N., & Rogers, S.J. Abstract Reasoning and Friendship in High Functioning Preadolescents with Autism Spectrum Disorders. *J of Autism and Developmental Disorders*. 2011;41, 32-43.

Solomon M, Ragland JD, Niendam TA, Lesh TA, Beck JS, Matter JC, Frank MJ, Carter CS. Atypical Learning in Autism Spectrum Disorders: A Functional Magnetic Resonance Imaging Study of Transitive Inference. *J Am Acad Child Adolesc Psychiatry*. 2015 Nov;54(11):947-55.

Solomon, M., Frank, M.J., Ragland, J.D., Niendam, Lesh, T.A., Beck, J. Matter, J & Carter, S.C. Feedback-driven Trial-by-Trial Learning in Autism Spectrum Disorder. *Am J of Psychiatry*. 2015;172(2), 173-81.

Solomon, M., Yoon, J.H., Niendam, T.A., Ragland, J.D., Lesh, T. A., Fairbrother, W., & Carter, C.S. The development of the neural substrates of cognitive control in adolescents with autism spectrum disorders. *Biological Psychiatry*. 2014;76(5), 412-21.

Schriber, R.A., Robins, R.W., & Solomon, M. Personality & Self-Insight in Individuals with Autism Spectrum Disorder. *J of Personality & Social Psychology*. 2014;106(1), 112-30.

Solomon, M., Olsen, E., Niendam, T., Ragland, J.D., Yoon, J., Minzenberg, M., & Carter, C. S. From lumping to splitting and back again: Atypical social and language development



Marjorie Solomon, Ph.D., M.B.A.

in individuals with clinical-high-risk for psychosis, first episode schizophrenia, and autism spectrum disorders. *Schizophrenia Research*. 2011;131(1-3), 146-151.

Solomon, M., Frank, M.J., Smith, A., Ly, S. & Carter, C.S. Probabilistic reinforcement learning in adults with autism spectrum disorders. *Autism Research*. 2011;4(2), 109-120.

Solomon, M., Frank, M.J., Smith, A., Ly, S. & Carter, C.S. Transitive inference in adults with autism spectrum disorders. *Cognitive Affective Behavioral Neuroscience*. 2011;11, 437-449.

Solomon M., Goodlin-Jones B.L., Anders T.F. A social adjustment enhancement intervention for high functioning autism, Asperger's Syndrome, and Pervasive Developmental Disorder NOS. *Journal of Autism and Developmental Disorders*. 2004;34(6), 649-668.

Solomon, M., Ozonoff, S., Ursu, S., Ravizza, S., Cummings, N., Ly, Stanford, & Carter, C.S. The neural substrates of cognitive control deficits in autism spectrum disorders. *Neuropsychologia*. 2009;47(12), 2515-2526.

© 2021 UC Regents