

Vita
Tara Ann Niendam

ResearcherID: K-8475-2015

h-index: 23

LICENSURE: California, PSY22227

EDUCATION: University of California, Los Angeles – Los Angeles, California
Doctoral Program in Clinical Psychology, Minor in Developmental Neuropsychology
Doctorate in Psychology, received May 2006

Northwestern University - Evanston, Illinois
Bachelor of Arts in Psychology, Cum Laude, received March 2000

POSITIONS:

2017-Present Executive Director
UC Davis Early Psychosis Programs (EDAPT and SacEDAPT Clinics), Sacramento, CA
2008-Present Assistant Professor In Residence
UC Davis Department of Psychiatry and Behavioral Sciences, Sacramento, CA
2011-2016 Director of Operations
UC Davis Early Psychosis Programs (EDAPT and SacEDAPT Clinics), Sacramento, CA
2006-2008 Post-doctoral Fellow Scholar
UCLA Staglin Center for the Assessment and Prevention of Prodromal States (CAPPS)
UCLA Medical Psychology Assessment Center, Los Angeles, CA
2004-2005 Pre-doctoral Psychology Intern
The Guidance Center; Long Beach, California
Children's Hospital Long Beach, California

HONORS & AWARDS: 2013 UC Davis Academic Senate Research Travel Grant
2012 Eunice K. Meyer Charitable Foundation Investigator - NARSAD Young Investigator Award
2011 National Institutes of Health Loan Repayment Program Award
2011 International Congress on Schizophrenia Research Young Investigator Travel Award
2010 UC Davis Academic Federation Research Travel Grant Award
2009 National Institutes of Health Loan Repayment Program Award
2009 American College of Neuropsychopharmacology Young Investigator Travel Award
2009 UC Davis Academic Federation Research Travel Grant Award
2007 National Institutes of Health Loan Repayment Program Award
2007 Friends of the Semel Institute Travel Grant Award
2006-2008 Ruth L. Kirschstein National Research Service Award Fellow
2002 National Science Foundation Graduate Fellowship Award Recipient

PROFESSIONAL ACTIVITIES & HONOR SOCIETIES:

2011-Present Member, Society for Research in Psychopathology
2012-Present Member, International Early Psychosis Association

Ad Hoc Reviewer for: Archives of General Psychiatry, Biological Psychiatry, Schizophrenia Bulletin, Schizophrenia Research, Journal of Clinical Psychiatry, Journal of Child Psychology and Psychiatry, Journal of Abnormal Psychology, Journal of the American Academy of Child & Adolescent Psychiatry, Early Intervention in Psychiatry, Journal of Psychiatry and Neuroscience, Cognitive Neuropsychiatry, Human Brain Mapping, The Lancet, Psychological Medicine, Journal of Psychiatric Research

PUBLICATIONS:

In Press

1. Mayo, D., Corey, S., Kelly, LH., Yohannes, S., Youngquist, AL., Stuart, BK., Niendam, TA. & Loewy, RL. (In Press). The Role of Trauma and Stressful Life Events among Individuals at Clinical-High Risk for Psychosis: A Review. *Frontiers in Psychiatry*.
2. Weisman O, Guri Y, Gur RE, McDonald-McGinn DM, Calkins ME, Tang SX, Emanuel B, Zackai EH, Eliez S, Schneider M, Schaer M, Kates WR, Antshel KM, Fremont W, Shashi V, Hooper SR, Armando M, Vicari S, Pontillo M, Kushan L, Jalbrzikowski M, Bearden CE, Cubells JF, Ousley OY, Walker EF, Simon TJ, Stoddard J, Niendam TA, van den Bree MB, Gothelf D; International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome. (In Press). Subthreshold Psychosis in 22q11.2 Deletion Syndrome: Multisite Naturalistic Study. *Schizophr Bull*. doi: 10.1093/schbul/sbx005.

3. Greenland-White SE, Ragland JD, Niendam TA, Ferrer E, Carter CS. (In Press). Episodic memory functions in first episode psychosis and clinical high risk individuals. *Schizophr Res*. doi: 10.1016/j.schres.2017.01.035.
4. Minzenberg MJ, Lesh TA, Niendam TA, Cheng Y, Carter CS (in press). Conflict-Related Anterior Cingulate Functional Connectivity is Associated with Past Suicidal Ideation and Behavior in Recent-Onset Psychotic Major Mood Disorders. *Journal of Neuropsychiatry and Clinical Neurosciences*.

Peer-Reviewed Journal Articles:

1. Cragin, CA., Straus, MB., Blacker, D., Tully, LM. & Niendam, TA. (2017 March). Early Psychosis and Trauma-Related Disorders: Clinical Practice Guidelines and Future Directions. *Frontiers in Psychiatry*, 8:33.
2. Ragland JD, Layher E, Hannula DE, Niendam TA, Lesh TA, Solomon M, Carter CS, Ranganath C. (2016 Nov). Impact of schizophrenia on anterior and posterior hippocampus during memory for complex scenes. *Neuroimage Clin*, 13:82-88.
3. Carrión RE, Cornblatt BA, Burton CZ, Tso IF, Auther AM, Adelsheim S, Calkins R, Carter CS, Niendam T, Sale TG, Taylor SF, McFarlane WR. (2016, Oct). Personalized Prediction of Psychosis: External Validation of the NAPLS-2 Psychosis Risk Calculator With the EDIPPP Project. *Am J Psychiatry*, 173(10):989-996.
4. Kappenman ES, Luck SJ, Kring AM, Lesh TA, Mangun GR, Niendam T, Ragland JD, Ranganath C, Solomon M, Swaab TY, Carter CS. (2016 May). Electrophysiological Evidence for Impaired Control of Motor Output in Schizophrenia. *Cereb Cortex*, 26(5):1891-9.
5. Minzenberg MJ, Lesh TA, Niendam TA, Yoon JH, Cheng Y, Rhoades RN, Carter CS (2015 Dec). Control-Related Frontal-Striatal Function is Associated with Past Suicidal Ideation and Behavior in Patients with Recent-Onset Psychotic Major Mood Disorders. *J Affect Disord*, 188:202-209.
6. Ragland JD, Ranganath C, Phillips J, Boudewyn MA, Kring AM, Lesh TA, Long DL, Luck SJ, Niendam TA, Solomon M, Swaab TY, Carter CS. (2015 Nov) Cognitive Control of Episodic Memory in Schizophrenia: Differential Role of Dorsolateral and Ventrolateral Prefrontal Cortex. *Front Hum Neurosci*, 9:604.
7. Solomon M, Ragland JD, Niendam TA, Lesh TA, Beck JS, Matter JC, Frank MJ, Carter CS. (2015, Nov). Atypical Learning in Autism Spectrum Disorders: A Functional Magnetic Resonance Imaging Study of Transitive Inference. *J Am Acad Child Adolesc Psychiatry* (11):947-55.
8. Minzenberg MJ, Lesh T, Niendam T, Yoon JH, Cheng Y, Rhoades RN, Carter CS. (2015, Oct) Frontal Motor Cortex Activity During Reactive Control Is Associated With Past Suicidal Behavior in Recent-Onset Schizophrenia. *Crisis*, 36(5):363-70.
9. Ragland JD, Ranganath C, Harms MP, Barch DM, Gold JM, Layher E, Lesh TA, MacDonald AW 3rd, Niendam TA, Phillips J, Silverstein SM, Yonelinas AP, Carter CS. (2015 Sept) Functional and Neuroanatomic Specificity of Episodic Memory Dysfunction in Schizophrenia: A Functional Magnetic Resonance Imaging Study of the Relational and Item-Specific Encoding Task. *JAMA Psychiatry*, 72(9):909-16.
10. Shoemaker, E.Z., Tully, LM., Niendam, TA. & Peterson, BS. (2015, Sep) The Next Big Thing in Child and Adolescent Psychiatry. *Psychiatr Clin North Am*, 38(3):475-94.
11. Minzenberg MJ, Lesh T, Niendam T, Yoon JH, Cheng Y, Rhoades R, Carter CS. (2015, Jun). Conflict-related anterior cingulate functional connectivity is associated with past suicidal ideation and behavior in recent-onset schizophrenia. *J Psychiatr Res*, 65:95-101.
12. Lesh TA, Tanase C, Geib BR, Niendam TA, Yoon JH, Minzenberg MJ, Ragland JD, Solomon M, Carter CS. (2015 Mar). A multimodal analysis of antipsychotic effects on brain structure and function in first-episode schizophrenia. *JAMA Psychiatry*, 72(3):226-34.
13. Solomon M, Frank MJ, Ragland JD, Smith AC, Niendam TA, Lesh TA, Grayson DS, Beck JS, Matter JC, & Carter CS. (2015, Feb). Feedback-Driven Trial-by-Trial Learning in Autism Spectrum Disorders. *Am J Psychiatry*. 172(2):173-81.
14. Fisher M, Loewy R, Carter C, Lee A, Ragland JD, Niendam T, Schlosser D, Pham L, Miskovich T, Vinogradov S. (2015, Jan). Neuroplasticity-Based Auditory Training Via Laptop Computer Improves Cognition in Young Individuals With Recent Onset Schizophrenia. *Schizophr Bulletin*, 41(1):250-8.
15. McFarlane, W., Levin, B., Travis, L., Lucas, F. Lynch, S., Verdi, M., Williams, D., Calkins, R., Adelsheim, S., Carter, C., Cornblatt, B., Taylor, S., Auther, A., McFarland, B., Melton, R., Migliorati, M., Niendam, T., Ragland, JD., Sale, T., Salvador, M. & Spring, E. (2015, Jan). Clinical and functional outcomes after 2 years in the Early Detection and Intervention for the Prevention of Psychosis multisite effectiveness trial. *Schizophrenia Bulletin*, 41(1):30-43
16. Tso IF, Taylor SF, Grove TB, Niendam T, Adelsheim S, Auther A, Cornblatt B, Carter CS, Calkins R, Ragland JD, Sale T, McFarlane WR. (2014, Dec). Factor analysis of the Scale of Prodromal Symptoms: data from the Early Detection and Intervention for the Prevention of Psychosis Program. *Early Interv Psychiatry*. doi: 10.1111/eip.12209.

17. Yoon, JH., Westphal, AJ., Minzenberg, MJ., Niendam, T., Ragland, JD., Lesh, T., Solomon, M., & Carter, CS. (2014, Nov) Task-evoked substantia nigra hyperactivity associated with prefrontal hypofunction, prefrontonigral disconnectivity and nigrostriatal connectivity predicting psychosis severity in medication naïve first episode schizophrenia. *Schizophrenia Research*, 159(2-3):521-6.
18. Solomon M, Yoon JH, Ragland JD, Niendam TA, Lesh TA, Fairbrother W, Carter CS. (2014, Sept). The Development of the Neural Substrates of Cognitive Control in Adolescents with Autism Spectrum Disorders. *Biol Psychiatry*, 76(5):412-21.
19. Minzenberg MJ, Lesh TA, Niendam TA, Yoon JH, Rhoades R, Carter CS. (2014, Aug). Frontal Cortex Control Dysfunction Related to Long-Term Suicide Risk in Recent-Onset Schizophrenia. *Schizophrenia Research*, 157(1-3):19-25.
20. Tully LM. & Niendam TA. (2014, June). Beyond "Cold" Cognition: Exploring Cognitive Control of Emotion as a Risk Factor for Psychosis. *Current Behavioral Neuroscience Reports* 1:170–181
21. Niendam TA, Lesh TA, Yoon J, Westphal AJ, Hutchison N, Daniel Ragland J, Solomon M, Minzenberg M, Carter CS. (2014, Jan). Impaired context processing as a potential marker of psychosis risk state. *Psychiatry Research: Neuroimaging*, 221(1):13-20.
22. Swaab TY, Boudewyn MA, Long DL, Luck SJ, Kring AM, Ragland JD, Ranganath C, Lesh T, Niendam T, Solomon M, Mangun GR, Carter CS. (2013, Sept). Spared and impaired spoken discourse processing in schizophrenia: effects of local and global language context. *Journal of Neuroscience*, 33(39), 15578-87.
23. Lesh TA, Westphal AJ, Niendam TA, Yoon JH, Minzenberg MJ, Ragland JD, Solomon M, Carter CS. (2013, April). Proactive and reactive cognitive control and dorsolateral prefrontal cortex dysfunction in first episode schizophrenia. *Neuroimage Clin*; 2:590-9.
24. Fulford D, Niendam TA, Floyd EG, Carter CS, Mathalon DH, Vinogradov S, Stuart BK, Loewy RL. (2013, June). Symptom dimensions and functional impairment in early psychosis: more to the story than just negative symptoms. *Schizophrenia Research*, 147(1):125-31.
25. Niendam TA, Laird AR, Ray KL, Dean YM, Glahn DC, Carter CS. (2012, June). Meta-analytic evidence for a superordinate cognitive control network subserving diverse executive functions. *Cognitive Affective and Behavioral Neuroscience*, 12(2):241-68.
26. Bachman, P., Niendam, T.A., Jalbrzikowski, M. Park, C.Y., Daley, M.L., Cannon, T.D. & Bearden, C.E. (2012, May). Processing Speed and Neurodevelopment in Adolescent-Onset Psychosis: Cognitive Slowing Predicts Social Function. *Journal of Abnormal Child Psychology*, 40(4):645-54.
27. Yoon JH, Nguyen DV, McVay LM, Deramo P, Minzenberg MJ, Ragland JD, Niendam T, Solomon M, Carter CS. (2012). Automated classification of fMRI during cognitive control identifies more severely disorganized subjects with schizophrenia. *Schizophrenia Research*, 135(1-3):28-33.
28. Schlosser, D.A., Jacobson, S., Chen, Q., Sugar, C.A., Niendam, T.A., Li, G., Bearden, C.E. & Cannon, T.D. (2012, Nov). Recovery From an At-Risk State: Clinical and Functional Outcomes of Putatively Prodromal Youth Who Do Not Develop Psychosis. *Schizophrenia Bulletin*. 38(6):1225-33.
29. Solomon, M., Olsen, E., Niendam, T., Ragland, J.D., Yoon, J., Minzenberg, M. & Carter, C.S. (2011, Sept). 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*, 31(1-3):146-51.
30. Lesh, T.A., Niendam, T.A., Minzenberg, M.J. & Carter, C.S. (2011, Jan). Cognitive Control Deficits in Schizophrenia: Mechanisms and Meaning. *Neuropsychopharmacology Reviews*, 36(1):316-38.
31. Hannula, D.E., Ranganath, C., Ramsay, I.S., Solomon, M., Yoon, J., Niendam, T.A., Carter, C.S. & Ragland JD. (2010, Oct). Use of Eye Movement Monitoring to Examine Item and Relational Memory in Schizophrenia. *Biological Psychiatry*, 68, 610-616.
32. Seidman LJ, Giuliano AJ, Meyer EC, Addington J, Cadenhead KS, Cannon TD, McGlashan TH, Perkins DO, Tsuang MT, Walker EF, Woods SW, Bearden CE, Christensen BK, Hawkins K, Heaton R, Keefe RS, Heinssen R, Cornblatt BA; North American Prodrome Longitudinal Study (NAPLS) Group. (2010, June) Neuropsychology of the prodrome to psychosis in the NAPLS consortium: relationship to family history and conversion to psychosis. *Arch Gen Psychiatry*. 2010 Jun;67(6):578-88.
33. Stoddard, J., Niendam, T., Hendren, R., Carter, C. & Simon, T.J. (2010, May). Attenuated positive symptoms of psychosis in adolescents with chromosome 22q11.2 deletion syndrome, *Schizophrenia Research*, 118(1-3), 118-21.
34. Mittal, V.A., Willhite, R., Daley, M., Bearden, C.E., Niendam, T.A., Ellman, L.M. & Cannon, T.D. (2009). Obstetric complications and risk for conversion to psychosis among individuals at high clinical risk. *Early Intervention in Psychiatry*, 3, 226-230.

35. Niendam, T.A., Jalbrzikowski, M. & Bearden, C.E. (2009). Exploring Predictors of Outcome in the Psychosis Prodrome: Implications for early identification and intervention. *Neuropsychology Review*, 19(3), 280-293.
36. Karlsgodt, K.H., Niendam, T.A., Bearden, C.E. & Cannon, T.D. (2009). White Matter Integrity and Prediction of Social and Role Functioning in Subjects at Ultra-High Risk for Psychosis. *Biological Psychiatry*, 66(6), 562-569.
37. Niendam T.A., Berzak J., Cannon T.D. & Bearden C.E. (2009). Obsessive compulsive symptoms in the psychosis prodrome: Correlates of clinical and functional outcome. *Schizophrenia Research*, 108(1-3), 170-175.
38. Willhite, R., Niendam, T.A., Bearden, C.E., Zinberg, J., O'Brien, M. & Cannon, T.D. (2008). Gender Differences in Symptoms, Functioning and Social Support in Patients at Ultra-High Risk for Developing a Psychotic Disorder. *Schizophrenia Bulletin*, 104, 237-245.
39. O'Brien, M.P., Zinberg, J.L., Bearden, C.E., Daley, M., Niendam, T.A., Kopelowicz, A. & Cannon, T.D. (2007). Psychoeducational multi-family group treatment with adolescents at high risk for developing psychosis. *Early Intervention in Psychiatry*, 1(4), 325-332.
40. Cornblatt, B.A., Auther, A., Niendam, T.A., Smith, C.W., Zinberg, J., Bearden, C.E. & Cannon, T.D. (2007). Reliability, Properties and Preliminary Findings for Two New Measures of Social and Role Functioning in the Prodromal Phase of Schizophrenia. *Schizophrenia Bulletin*, 33(3), 688-702.
41. Niendam, T.A., Bearden, C.E., Zinberg, J., Johnson, J.K., O'Brien, M.P. & Cannon, T.D. (2007). The Course of Neurocognition and Social Functioning in Individuals at Ultra-high-risk for Psychosis. *Schizophrenia Bulletin*, 33(3), 772-781.
42. Niendam, T.A., Horwitz, J., Bearden, C.E. & Cannon, T.D. (2007). Ecological Assessment of Executive Dysfunction in the Psychosis Prodrome: A Pilot Study. *Schizophrenia Research*, 93, 350-354.
43. Niendam, T.A., Bearden, C.E., Johnson, J.K., McKinley, M., Loewy, R., O'Brien, M., Neuchterlein, K.H., Green, M.F. & Cannon, T.D. (2006). Neurocognitive Performance and Functional Disability in the Psychosis Prodrome. *Schizophrenia Research*, 84(1), 100-111.
44. Meyer, S.E., Bearden, C.E., Lux, S.R., Gordon, J.L., Johnson, J.K., O'Brien, M.P., Niendam, T.A., Loewy, R.L., Ventura, J. & Cannon, T.D. (2005). The Psychosis Prodrome in Adolescent Patients Viewed Through the Lens of DSM-IV. *The Journal of Child and Adolescent Psychopharmacology*, 15(3), 434-451.
45. Glahn, D.C., Bearden, C.E., Niendam, T.A. & Escamilla, M.A. (2004). The feasibility of neuropsychological endophenotypes in the search for genes associated with bipolar affective disorder. *Bipolar Disorder*, 6, 171-182.
46. Niendam, T.A., Bearden, C.E., Rosso, I.M., Sanchez, L.E., Hadley, T., Nuechterlein, K.H. & Cannon, T.D. (2003). A prospective study of childhood neurocognitive functioning in schizophrenic patients and their siblings. *American Journal of Psychiatry*, 160, 2060-2062.
47. Soskins, M., Rosenfeld, J.P. & Niendam, T. (2001). The case for peak-to-peak measurement of P300 recorded at .3Hz high-pass filter settings in intra-individual diagnosis of deception: complex vs. simple paradigms. *International Journal of Psychophysiology*, 40, 173-180.

Books:

Schiltz, L.K., Schonfeld, AM. & Niendam, TA. (2011). *Beyond the Label: A Guide to Unlocking a Child's Educational Potential*. Oxford University Press.

Book Chapters:

Bearden, C.E., Meyer, S.E., Loewy, R.L., Niendam, T.A. & Cannon, T.D. (2006). A Neurodevelopmental Model of Schizophrenia: Updated. In D. Cicchetti. & D.J. Cohen (Eds.), *Developmental Psychopathology, Volume 2*. Hoboken, NJ: Wiley.

Invited Lectures:

"Addressing Suicidal Ideation and Behavior in Individuals with First Episode Psychosis." Presented as part of a two-part series on *Recognizing and Addressing Suicidal Ideation and Behavior in individuals with a First Episode of Psychosis (FEP)*, sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA) and Center for Mental Health Services (CMHS); September 7, 2016.

"Recognizing Suicidal Ideation and Behavior in Individuals with First Episode Psychosis." Presented as part of a two-part series on *Recognizing and Addressing Suicidal Ideation and Behavior in individuals with a First Episode of Psychosis (FEP)*, sponsored by the Substance Abuse and Mental Health Services Administration (SAMHSA) and Center for Mental Health Services (CMHS); June 28, 2016.

"Using mobile technology to detect early warning signs of mental health challenges and enhance treatment delivery for youth." Presented at UC Davis Psychiatry Grand Rounds; June 23, 2015.

"SacEDAPT: Prevention and Early Intervention for Psychosis through a UC Davis-Sacramento County Collaboration." Presented at the Seventh Annual UC Davis Conference on Psychotic Disorders, Advanced Strategies for the Management of Psychosis; September, 2012.

"New Directions in Early Intervention for Schizophrenia at UC Davis Identification of Ultra High Risk Patients." Presented at the Fifth Annual UC Davis Conference on Psychotic Disorders, Evidence-Based Treatment Approaches to Psychotic Disorders; September, 2010.

"Identifying and Responding to Prodromal States of Psychosis." Continuing Education Seminar at: The Guidance Center, Long Beach, August, 2005, November, 2005; Orange County Health Care Agency, February 2006; Child and Family Guidance Center, November 2006.

"Clinical Symptoms and Cognitive Deficits in the Psychosis Prodrome." Lecture for Pediatric Neuropsychology Seminar, UCLA Neuropsychiatric Institute; February, 2005; January, 2006.

Invited Presentations:

Niendam, TA., Loewy, R., Ragland, JD., Lesh, TA., Skymba, H., Savill, M., Pierce, K., Fedechko, T., Delucchi, K., Goldman, H., Cress, R., Kravitz RL. & Carter, CS. A technology-enhanced intervention to reduce the Duration of Untreated Psychosis through rapid identification & engagement. (2017, March). Oral Presentation at the annual meeting of International Congress on Schizophrenia Research in San Diego, CA.

Niendam, TA., Ashby, S., Patel, P., Iosif, AM., Ferrer, E., Lesh, TA., Solomon, M., Ragland, JD. & Carter, CS. (2016, Dec). No evidence for degeneration of prefrontal functioning after first episode of schizophrenia. Oral presentation at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Tully, LM., Ashby, S., Lesh, T., Carter, CS. & Niendam, TA. (2015, April). Lateral Prefrontal Activation During Cognitive Control of Task-Relevant Emotional Information Predicts Social Functioning in Early Psychosis. (2015, April). Oral presentation at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Niendam, TA., Ashby, S., Lesh, T., Correa, E. & Carter, C. (September 2013). *Clinical and Cognitive Correlates of Aggression in Early Psychosis*. Oral presentation at the annual meeting of Society for Research in Psychopathology in San Francisco, CA.

Niendam, TA., Ragland, JD., Floyd, E. Auther, A., Cornblatt, B., Adelsheim, S., Caulkins, R., Sale, T., Spring, L., Taylor, SF., Cook, W., McFarlane, W. & Cameron Carter. (2012, October) *Multi-site Investigation of Impaired Prefrontal Functioning as a Potential Marker of Psychosis Risk State*. Symposium presentation at the International Early Psychosis Association in San Francisco, CA.

Niendam, TA., Hutchison, N., Ragland, JD., Yoon, J., Solomon, M., Minzenberg, M. & Carter, C. (2012, October) *Cognitive Control in Clinical-High-Risk Youth: Potential Marker of Risk and Recovery*. Symposium presentation at the International Early Psychosis Association in San Francisco, CA.

Niendam, T.A., Mathalon, D.H., Taylor, S.F., Williams, J.G., Floyd, E., Hosanger, A., Ragland, J.D., Loewy, R.L., Vinogradov, S. & Carter, C.S. (2011, September). *Multi-site fMRI Study of Cognitive Control-related Brain Activation in Early Schizophrenia and Clinical-High-Risk Youth*. Oral presentation at the annual meeting of Society for Research in Psychopathology in Boston, MA.

Niendam, T.A., Mathalon, D.H., Taylor, S.F., Williams, J.G., Westphal, A.J., Hosanger, A., Ragland, J.D., Loewy, R.L., Vinogradov, S. & Carter, C.S. (2011, April). *Multi-site fMRI Study of Cognitive Control-related Brain Activation in Early Schizophrenia and Clinical-High-Risk Youth*. Symposium presentation at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, CO.

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

Niendam, T.A., Ragland, J.D., Dean, Y.M., Westphal, A.J., Auther, A., Cornblatt, B., Yoon, J., Minzenberg, M., Solomon, M., Cook, W., McFarlane, W. & Carter, C.S. (December, 2010). *Impaired Prefrontal Functioning as a Marker of Psychosis Risk State*. Oral presentation at the International Early Psychosis Association meeting in Amsterdam, The Netherlands.

Niendam, T.A., Bearden, C.E., Zinberg, J., Johnson, J.K., O'Brien, M.P. & Cannon, T.D. *The Course of Neurocognition and Social Functioning in Individuals at Ultra-high-risk for Psychosis*. (2007, March). Oral presentation at the annual meeting of the International Congress on Schizophrenia Research in Colorado Springs, CO.

Niendam, T.A., Bearden, C.E., Johnson, J., Loewy, R., O'Brien, M. & Cannon, T.D. (2004, September). *Association of neurocognitive deficits with clinical symptoms and functioning in the psychosis prodrome*. Oral presentation at the 4th International Early Psychosis Association Annual Meeting in Vancouver, British Columbia.

Posters:

Savill, M., Skymba, H.V., T. Niendam, T.A., Loewy, R.L., Lesh, TA., Ragland, JD., Carter, C.S., Goldman, H.H. Barriers and Facilitators to Implementing a Psychosis Screening Procedure in Different Health Care Settings – A Qualitative Interview Study of Health Providers. (2017, March). Poster presentation at the annual meeting of International Congress on Schizophrenia Research in San Diego, CA.

Ragland, J.D., Hsieh, L., Lam, J., White, S., Carter, C.S., Lesh, T.A., Niendam, T.A. & Ranganath, C. (2016, Dec). Specific Disruptions in Theta Oscillations During Working Memory in People with Schizophrenia. Poster accepted for presentation at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Howell, A.M., Salo, T., Patel, P.K., Ashby, S., Lesh, T.A., Niendam, T.A. & Cameron S. Carter, Ph.D. (2016, Nov) Exploring the relationship between psychopathic traits and Cognitive Control Performance in the Context of Reward. Poster accepted for presentation at the annual meeting of the Society for Neuroscience in San Diego, CA

Patel, P.K., Ashby, S.R., Lesh, T.A. & Niendam, T.A. (2016, Sept) Trait irritability in early psychosis: Impact on perceived frustration during fMRI response inhibition task. Poster presented at the annual meeting of the Society for Research in Psychopathology in Baltimore, MD.

Skymba, H., Lesh, T.A., Kring, A., Luck, S.J., Mangun, G.R., Niendam, T.A., Ragland, J.D., Ranganath, C., Solomon, M., Swaab, T. & Carter, C.S. (2016, Sept) Intact emotion processing in the context of reduced prefrontal engagement in individuals with schizophrenia. Poster presented at the annual meeting of the Society for Research in Psychopathology in Baltimore, MD.

Kumar, D., Tully, L.M., Iosif, A.M., Burch, K.E., Zaksorn, L.N. & Niendam, T.A. (2016, Sept) Using mobile technology to assess mood instability, psychotic symptoms, and suicidality in first-episode psychosis. Poster presented at the annual meeting of the Society for Research in Psychopathology in Baltimore, MD.

Ragland, J.D., White, S., Niendam, T.A., Ferrer, E., Carter, C.S. (April, 2016) Relational and Item Specific Memory Markers of Psychosis Risk. Poster presented at the 5th Biennial Schizophrenia International Research Society Conference, Florence, Italy.

Niendam, T.A., Iosif, A.M., Tully, L.M., Burch, K. & Carter, C. (2015, Dec) Preliminary Longitudinal Study Examining the Clinical Correlates of Medication Adherence Assessed via a Mobile Health Application in Early Psychosis Care. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Lesh, T.A., Niendam, T.A., Dan, R. & Carter, C. (2015, Dec) Effects of Past Moderate Cannabis Use on Cognition in First Episode Schizophrenia and Typically Developing Adolescents: A Multimodal Analysis of Brain Structure and Function. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Fedechko, T.L., Tully, L.M., Boudewyn, M.A., Denton, J.C., Burch, K.E. & Niendam, T.A. (2015, Sept). Analysis of language production in early psychosis: Associations with symptom severity and functioning. Poster presented at the annual meeting of the Society for Research in Psychopathology.

Tully, L.M., Niendam, T.A., Ashby, S., Iosif, A., Lesh, T. & Carter, C.S. (2015, May). Linking the Brain to Daily Social Behavior in Early Psychosis: Neural Activation of Cognitive Control Network Predicts Desire for and Enjoyment of Daily Social Interactions. Poster presented at the Society of Biological Psychiatry Annual Meeting in Toronto, Ontario, Canada.

Niendam, T.A., Tully, L.M., Burch, K., Iosif, A. & Carter, C.S. (2015, April). Using a Mobile Health Application to Monitor Clinical Symptoms and Signs of Relapse in Early Psychosis. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Ragland, J.D., Hannula, D.E., Layher, E., Phillips, J., Carter, C.S., Lesh, T.A., Niendam, T.A., Solomon, M. & Ranganath, C. (2015, March) USE OF SIMULTANEOUS EYE-MOVEMENTS AND FMRI TO REVEAL SPECIFIC RELATIONAL MEMORY DEFICITS IN SCHIZOPHRENIA. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Carter, C.S., Phillips, R., Fassbender, C., Lesh, T.A., Ragland, J.D. & Niendam, T.A., (2015, March) ATTENTION LAPSES, PERCEPTION AND COGNITIVE CONTROL IN SCHIZOPHRENIA. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Lesh, T.A., Maddock, R.J., Salo, T., Tanase, C., Ragland, J.D., Niendam, T.A., Solomon, M. Carter, C.S. (2015, March) DIFFUSION MEASURES OF FREE WATER AND 1H-MRS MEASURES OF GLUTATHIONE IN FIRST EPISODE PATIENTS WITH SCHIZOPHRENIA-A MULTI-MODAL INVESTIGATION OF AN INFLAMMATORY MODEL FOR PSYCHOSIS. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Lesh, T.A., Mawla, A., Minzenberg, M., Yoon, J., Niendam, T.A., Ragland, J.D., Solomon, M. & Carter, C.S. (2015, March) EFFECTS OF PAST MILD CANNABIS USE ON COGNITION IN FIRST EPISODE SCHIZOPHRENIA: A MULTIMODAL ANALYSIS OF BRAIN STRUCTURE AND FUNCTION. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Loewy, R., Fisher, M., Carter, C.S., Niendam, T.A., Ragland, J.D., Mathalon, D. & Vinogradov, S. (2015, March). IMPROVED COGNITION AND POSITIVE SYMPTOMS WITH TARGETED AUDITORY PROCESSING TRAINING IN RECENT-ONSET SCHIZOPHRENIA: 6-MONTH FOLLOW-UP. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Colorado Springs, Colorado.

Niendam, TA., Lesh, TA., Ashby, S., De Leon, E., Ragland, JD. & Carter, CS. (2014, December). *Aggression in Early Psychosis is Associated with Impairments in Prefrontally-mediated Cognitive Reappraisal of Emotion*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Phoenix, AZ.

Lesh, TA., Maddock, R., Salo, T., Tanase, C., Ragland, JD., Niendam, TA., Solomon, M. & Carter, CS. (2014, December) *Diffusion Measures of Free Water and 1H-MRS Measures of Glutathione in First Episode Patients with Schizophrenia – A Multi-Modal Investigation of an Inflammatory Model for Psychosis*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Phoenix, AZ.

Solomon, M., McCauley, J., Lesh, T., Niendam, T., Beck, J., Carter, C. & Ragland, JD. *Bootstrapping the Hippocampus? Atypical Learning Characterizes Adolescents with Autism Spectrum Disorders*. (2014, December). Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Phoenix, AZ.

Ragland, JD., Hannula, DE., Layher, E., Phillips, J., Carter, CS., Lesh, TA., Niendam, TA., Solomon, M. & Ranganath, C. (2014, December). *Dissociation of Hippocampally Mediated Relational versus Item-Specific Memory Deficits in Schizophrenia using Eye-Movement Monitoring During fMRI*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Phoenix, AZ.

Tully, LM., De Leon, E., Iosif, AM, Wahba, K., Singh, K., Smith, P., Moturu, S., Carter, CS., & Niendam, TA. (2014, September). *Using Patient-Generated Data to Monitor Symptoms and Functioning: Integration of a Mobile Health Application into an Early Psychosis Program*. Poster presented at the annual meeting of Society for Research in Psychopathology in Chicago, IL.

Tully, LM., De Leon, E., Singh, K., Smith, P., Moturu, S., Wahba, K., Carter, CS., & Niendam, TA. (2014, May). *Using a Novel Mobile Health Application to Monitor Symptoms and Functioning In an Early Psychosis Program: Preliminary Data on Feasibility and Acceptability*. Poster presented at the Society of Biological Psychiatry Annual Meeting in New York, NY.

Lesh, TA., Geib, B., Niendam, T., Minzenberg, MJ., Yoon, J., Ragland, JD., Solomon, M. & Carter, CS. (2013, December). *Fronto-parietal Dysfunction and Cognitive Control Deficits in First-episode Psychosis Patients with Schizophrenia and Bipolar Disorder*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Yoon, J., Grandelis, A., Cui, ED., Minzenberg, MJ., Niendam, T., Ragland, JD., Lesh, TA., Solomon, M. & Carter, CS. (2013, December). *High-resolution fMRI Reveals Reward Anticipation Signaling of the Substantia Nigra that is Modulated by Reward Magnitude in Healthy Subjects and Blunted Responses in Schizophrenia*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Solomon, M., Lesh, TA., Niendam, T., Beck, J., Matter, J., Whitmore, N., Carter, CS. & Ragland, JD. (2013, December). *Learning in the Absence of Intact Cognitive Control: The Neural Substrates of Transitive Inference in Adolescents with Autism Spectrum Disorders*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Niendam, TA., Ferrer, E., Lesh, TA., Ashby, S., Solomon, M., Ragland, J.D., Yoon, J., Minzenberg, M., & Carter, CS. (2013, December). *Age-at-Onset and Cognitive Control-Related Brain Circuitry in First Episode Schizophrenia*. Poster presented at the annual meeting of the America College of Neuropsychopharmacology (ACNP) in Hollywood, FL.

Solomon, M., Titone, M., Ashby, S., Benavidez, M., Carter, C. & Niendam, T. (2013, September) *Correlates of Autism Spectrum Disorder (ASD) traits in Early Psychosis*. Poster presented at the annual meeting of Society for Research in Psychopathology in San Francisco, CA.

Layher E.A., Ragland J.D., Ranganath C., Luck S.J., Long D.L., Kring A.M., Lesh T.A., Niendam T.A., Swaab T., Solomon M., Carter C.S. (August, 2013). *Effect of Schizophrenia on Dorsolateral Prefrontal Cortex Function and Theta-Band Power during Selective Long-Term Memory Encoding*. Poster presented at the 10th annual Bay Area Memory Meeting; San Francisco, CA.

Solomon, M., Frank, M.J., Smith, A., Ragland, J.D., Minzenberg, M., Niendam, T.A., Yoon, J., Lesh, T., & Carter, C.S. (2014, May). *Probabilistic reinforcement learning in young adults with autism spectrum disorders reflects cognitive control deficits*. . Poster presented at the International Meeting for Autism Research in Atlanta, GA.

Niendam, TA., Ragland, JD., Floyd, E. Auther, A., Cornblatt, B., Adelsheim, S., Caulkins, R., Sale, T., Spring, L., Taylor, SF., Cook, W., McFarlane, W. & Cameron Carter. (2013, May) *Multi-site Investigation of Impaired Prefrontal Functioning as a Potential Marker of Psychosis Risk State*. Poster presented at the Society of Biological Psychiatry Annual Meeting in San Francisco, CA.

Niendam, TA., Carter, CS., Taylor, SF., Lesh, TA., Fulford, D., Loewy, RL., Vinogradov, S. & Mathalon, DH. (2013, April) *Multi-site fMRI Study of Cognitive Control-related Brain Activation in Early Schizophrenia and Clinical-High-Risk Youth: Preliminary Associations with Outcome*. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Orlando, FL.

Lesh, TA., Niendam, TA., Minzenberg, MJ., Yoon, J.H., Ragland, JD., Solomon, M. & Carter, CS. (2013, April) *Stability of Cognitive Control Deficits in First Episode Schizophrenia: A One-year Longitudinal Neuroimaging Study*. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Orlando, FL.

Lesh, TA., Tanase, C., Niendam, TA., Yoon, J., Ragland, JD., Minzenberg, M., Solomon, M. & Carter, CS. (2013, April). *The Functional Significance of Antipsychotic-Related Cortical Thinning in First Episode Schizophrenia*. Poster presented at the annual meeting of International Congress on Schizophrenia Research in Orlando, FL.

- Moylan, C., Niendam, T.A., Ragland, J.D., Minzenberg, M., Pakyurek, A.M., Charles, K., Greene, W., Bertaccini, L. & Carter, C.S. (2012, October) *Community-based Intervention for Early Psychosis: Implementation Strategies and Early Outcomes*. Poster presented at the International Early Psychosis Association in San Francisco, CA.
- Niendam, T.A., Lesh, T.A., Miskovich, T., Solomon, M., Ragland, J.D., Yoon, J., Minzenberg, M., & Carter, C.S. (2012, May). 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.
- 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.
- Solomon, M., Yoon, J., Niendam, T.A., Lesh, T.A., Ragland, J.D., Minzenberg, M., Fairbrother, W. & Carter, C.S. (2012, May). 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.
- Niendam, T.A., Hutchison, N., Ragland, J.D., Yoon, J.H., Solomon, M., Minzenberg, M. & Carter, C.S. (2011, December). 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.
- 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. (2011, December). 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.
- Jacobson, S., Schlosser, D.A., Niendam, T.A., Bearden, C.E. & Cannon, T.D. (2011, May). Neuroanatomical Predictors of Psychosocial Outcomes in Young People At-Clinical High-Risk for Psychosis. Poster presented at the Society of Biological Psychiatry Annual Meeting in San Francisco, California.
- Niendam, T.A., Mathalon, D.H., Westphal, A.J., Williams, J.G., Ragland, J.D., Loewy, R.L., Vinogradov, S. & Carter, C.S. (December, 2010). *Multi-site fMRI Study of Cognitive Control-related Brain Activation in Early Schizophrenia and Clinical-High-Risk Youth*. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, Florida.
- Niendam, T.A., Laird, A.R., Ray, K.L., Dean, Y.M., Glahn, D.C. & Carter, C.S. (November, 2010). *Executive Functions: Unitary Construct or Separable Domains? A Quantitative Meta-Analysis of Functional Neuroimaging studies of Healthy Executive Functioning*. Poster presented at the Society for Neuroscience Annual Meeting in San Diego, California.
- Schlosser, D.A., Jacobson, S., Niendam, T.A., Bearden, C.E. & Cannon, T.D. *Redefining At-Risk: Clinical and Functional Outcomes of Putatively Prodromal Youth Who Do Not Develop Psychosis*. (2010, October). Presented at the annual meeting of the Society for Research in Psychopathology in Seattle, WA.
- Niendam, T., Ragland, J.D., Auther, A., Cornblatt, B., Yoon, J.H., Minzenberg, M., Solomon, M., Cook, W., McFarlane, W. & Carter, C. (2010, May) *Behavioral & fMRI Studies of Prefrontal Cortex in Clinical-High-Risk Early Psychosis*. Poster presented at the Society of Biological Psychiatry Annual Meeting in New Orleans, Louisiana.
- Bachman, P., Niendam, T.A., Karlsgodt, K.H., Daley, M., Jacobson, S., Bearden, C.E., & Cannon, T.D. (2010, May). *Adolescent-Onset Psychosis and Disrupted Neurocognitive Development: A Cross-Sectional Study of Neuropsychological Performance*. Poster presented at the Society of Biological Psychiatry Annual Meeting in New Orleans, Louisiana.
- Seymour, B., Solomon, M., Niendam, T., Ragland, D., Yoon, J.H., & Carter, C. S. (2010). *Psychopathology and Adaptive Functioning in Individuals with Autism Spectrum Disorders, First-Episode Psychosis, and Clinical High-Risk*. Poster presented at the International Meeting for Autism Research, Philadelphia, Pennsylvania
- Niendam, T., Ragland, J.D., Auther, A., Cornblatt, B., Yoon, J.H., Minzenberg, M., Solomon, M., Cook, W., McFarlane, W. & Carter, C. (2009, December) *Behavioral & fMRI Studies of Prefrontal Cortex in Clinical-High-Risk Early Psychosis*. Poster presented at the annual meeting of the American College of Neuropsychopharmacology (ACNP) in Hollywood, Florida.
- Stoddard, J., Solomon, M., Niendam, T., Hendren, R., Ragland, J.D., Minzenberg, M., Yoon, J., Ursu, S., Carter, C. & Simon, T.J. (2009, October) *The Schizophrenia Spectrum Phenotype in Adolescents with Chromosome 22q11.2 Deletion Syndrome: Its Relationship to the Autism Spectrum*. Poster presented at the annual meeting of the American Academy of Child & Adolescent Psychiatry (AACAP) in Honolulu, Hawaii.
- Niendam, T.A., Walter, R., Minzenberg, M.J., Yoon, J.H., Ragland, J.D., Ursu, S., Solomon, M. & Carter, C.S. (2009, May). *Prefrontal Cortex and Cognitive Control Deficits in Ultra High Risk and First-Episode Psychosis*. Poster presented at the Society of Biological Psychiatry Annual Meeting in Vancouver, British Columbia.
- Olsen, E., Solomon, M., Minzenberg, M., Ragland, J.D., Ursu, S., Yoon, J.H., Niendam, T.A., & Carter, C.S. (2009, May). *Shared Social Deficits in Autism Spectrum Disorders, First Episode Schizophrenia and Ultra High Risk for Psychosis Patients*. Poster presented at the annual International Meeting for Autism Research (IMFAR), Chicago, Illinois.

Niendam, T.A., Walter, R., Minzenberg, M.J., Yoon, J.H., Ragland, J.D., Ursu, S., Solomon, M. & Carter, C.S. (2009, March). *Cognitive Control Deficits in Prodromal Psychosis*. Poster presented at the annual meeting of the International Congress on Schizophrenia Research, San Diego, CA.

Olsen, E., Solomon, M., Minzenberg, M., Ragland, J.D., Ursu, S., Yoon, J., Niendam, T., & Carter, C.S. *Autism Spectrum Disorder Symptoms in First Episode and Ultra High Risk Patients*. (2009, March). Poster presented at the annual meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO.

Karlsgodt, K.H., Niendam, T.A., Bearden, C.E., Van Erp, T.G.M., Poldrack, R.A., & Cannon, T.D. *White Matter Integrity and Prediction of Social and Role Functioning in Subjects at Ultra-High Risk for Psychosis*. (2008, May). Poster presented at the Society of Biological Psychiatry Annual Meeting in Washington, D.C.

Niendam, T.A., Bearden, C.E., Zinberg, J., Johnson, J.K., O'Brien, M.P., Daley, M. & Cannon, T.D. (2007, May). *Relationship between Adolescent Cognitive Functioning and Family Environment in the Psychosis Prodrome*. Poster presented at the Society of Biological Psychiatry Annual Meeting in San Diego, CA.

Loewy, RL., Bearden, CE., Niendam, TA. & Cannon, TD. (2007, March). *Parental report on the Prodromal Questionnaire: Screening for Ultra High Risk for psychosis*. Poster presented at the annual meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO.

Niendam, T.A., Bearden, C.E., Johnson, J.K., O'Brien, M., & Cannon, T.D. (2006, May) *Ecological Assessment of Executive Function Deficits in Adolescents at High-Risk for Psychotic Disorders*. Poster presented at the Society of Biological Psychiatry Annual Meeting in Toronto, Canada.

Niendam, TA., Bearden, C.E., Johnson, JK., Loewy, RL., Vagberg, M., Meyer, SE., O'Brien, M. & Cannon, TD. (2005, May). *Obsessive-Compulsive Symptomatology in the Psychosis Prodrome*. Poster presented at the Society of Biological Psychiatry Annual Meeting in Atlanta, GA.

Meyer, S.E., Bearden, C.E., Johnson, J.K., O'Brien, M.P., Niendam, T.A., & Cannon, T.D. (2005). *The psychosis prodrome viewed through the lens of DSM-IV*. Poster presented at the International Society for Research in Child and Adolescent Psychopathology. New York, NY.

Meyer, SE., Bearden, CE., Johnson, JK., O'Brien, MP., Niendam, TA. & Cannon, TD. *Adolescent prodromal patients viewed through the lens of DSM-IV*. (2004, September). Poster session presented at the 4th International Conference on Early Psychosis, Vancouver, British Columbia.

Bearden, CE., Meyer, SE., Gordon, JL., O'Brien, M., Johnson, JK., Loewy, RL., Niendam, TA., & Cannon, TD. (2004, September). *Is parental report critical for diagnosing a prodromal state in adolescents?* Poster session presented at the 4th International Conference on Early Psychosis, Vancouver, British Columbia.

Niendam, T., Bearden, CE., Rosso, IM., Sanchez, LE., Hadley, T., Nuechterlein, KH. & Cannon, TD. (2003, March). *Assessment of neurocognitive decline in the premorbid period of schizophrenia*. Poster session presented at the annual meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO.

Niendam, T. & Park, S. (1999, April). *Eye gaze direction detection in schizophrenia*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Niendam, T. & Park, S. (1999, May). *Eye gaze direction detection in schizophrenia*. Poster session presented at the Society of Biological Psychiatry Annual Meeting, Chicago, IL.

RESEARCH SUPPORT:

ACTIVE:

UC Davis Behavioral Health Center of Excellence

4/01/15-9/31/17

0.60 calendar months

Using mobile technology to detect early warning signs of mental health challenges and enhance treatment delivery for youth with early psychosis in community outpatient settings

\$200,000 total direct costs

This project will determine the feasibility of utilizing a mobile health application to track individual's daily and weekly clinical symptoms in three community-based early psychosis populations, while simultaneously examine its ability to systematically capture aspects of relapse and recovery.

Principal Investigator: Tara Niendam, Ph.D.

NIMH 1R01MH104235-01

9/1/14-8/31/19

2.1 calendar months

Reducing Duration of Untreated Psychosis through Rapid Identification and Engagement

\$457,828 annual direct costs

Through the use of technology-enhanced screening and engagement, the proposed project seeks to reduce the duration of untreated psychosis at a community level by addressing two bottlenecks: 1) delays in accurate identification and 2) delays in engagement in FEP care. The results of this project will provide new evidence-based practices for reducing DUP and improving outcomes in recent onset psychosis. As a Co-Investigator, Dr. Niendam assists in overseeing the project, managing staff in day-to-day activities, recruiting

participants, managing data collection and analysis. She participates in interpretation of the results as well as in presenting the results of the research and preparing manuscripts for publication.

Role: Co-Investigator

Principal Investigator: Cameron Carter, M.D.

NIH R01MH107108

8/1/15-7/31/20

1.2 calendar months

Cognitive-Affective Psychosis Proneness Risk and protective factors in 22q11.2DS

\$ 485,236 annual direct costs

The proposed research seeks to explore the cognitive and neural correlates of psychosis risk in youth with 22qDS. 22q youth will be characterized clinically across a novel dimension of psychosis proneness, which will be examined in relationship to measures of cognitive function using ERP and fMRI. As a Co-Investigator, Dr. Niendam supervises the clinical assessments, as well as provide guidance on the analyses related to the psychosis risk data and development of the psychosis-proneness dimensional scale. Dr. Niendam is also involved in data analysis, interpretation and manuscript writing.

Role: Co-Investigator

Principal Investigator: Tony Simon, Ph.D.

NIMH R01 MH105411

12/1/14 -11/30/18

1.2 calendar months

Neural Mechanisms of Memory Dysfunction in Schizophrenia

\$350,903 annual direct costs

The proposed research will use EEG, fMRI and MRS to establish disrupted (GABAergic) neural inhibition in the dorsolateral prefrontal cortex (DLPFC) as a candidate mechanism for the reduced theta oscillations, reduced fMRI activation in DLPFC and hippocampal circuits, and disproportionate relational memory impairments in people with schizophrenia observed in our previous research. . As a Co-Investigator, Dr. Niendam supports the acquisition of clinical and psychosocial functioning data as well as data analyses, interpretation and manuscript preparation.

Role: Co-Investigator

Principal Investigator: J. Daniel Ragland

NIMH 1R01MH106518

1/01/16-12/31/21

1.2 calendar months

Neurodevelopment of cognitive control in autism: adolescence to young adulthood

\$410,533 annual direct costs

This study examines the development of cognitive control across adolescence into young adulthood and its relationship to functional outcomes in individuals with Autism Spectrum Disorders using fMRI and behavioral measures.

Role: Co-Investigator

Principal Investigator: Marjorie Solomon

COMPLETED:

California Mental Health Services Act Oversight and Accountability Commission

0.72 calendar months

Evaluation of Outcomes and Associated Costs for Early Psychosis Programs: UC Davis Pilot & Statewide Method

Development

7/1/15-6/30/17

\$281,151 total

This evaluation seeks to identify and analyze EP program costs (i.e., costs expended to implement EP programs), outcomes associated with participation in the programs (e.g., change in hospitalization rates or length of stay following implementation of the program), and costs associated with those outcomes (e.g., costs associated with hospitalization) related to providing early psychosis programs in the state of California. This evaluation also includes a pilot to provide preliminary guidance on measurement of "duration of untreated mental illness" by PEI programs. The UC Davis SacEDAPT Clinic will be used as a exemplar of an EP program and this evaluation will examine its effectiveness within Sacramento County, which will be translated to a proposal for a statewide evaluation of EP programs.

Principal Investigator: Tara Niendam, Ph.D.

HRSA D40HP26868

7/1/14-6/30/17

2.4 calendar months

Multidisciplinary Training in Evidence-Based Assessment and Treatment of Children and Youth with Trauma and Serious

Mental Illness

\$175,926 annual direct costs

Through a collaboration between the UC Davis Department of Pediatrics, UC Davis CAARE Center and UC Davis SacEDAPT clinic, this grant provides support for the training of predoctoral psychology interns in trauma-focused work in youth with serious mental illness, particularly psychosis. Dr. Niendam serves as the Project Co-Director and the Training Director for interns at the SacEDAPT Clinic.

Role: Site Director

Principal Investigator: Anthony Urquiza

NARSAD Young Investigator Award

1/15/13 – 1/14/17.

0.12 calendar months

Dynamic Longitudinal Developmental Trajectories and Functional Outcome in Early Psychosis

\$59,680 total

This Young Investigator award provides funding for a study that utilizes fMRI and an established measure of cognitive control (AXCPT) to prospectively examine the neurodevelopmental course of prefrontal functioning across the age span of 12-25 years in individuals with schizophrenia (SZ) and demographically matched healthy controls (HC).

Principal Investigator: Tara Niendam, Ph.D.

Robert Wood Johnson Foundation

11/15/13- 6/30/16.

0.35 calendar months

Using mobile technology to detect early warning signs of mental health challenges and enhance treatment delivery for youth

\$537,482 total direct costs

By implementing the Ginger.io mobile data management platform in an early psychosis program with an integrated clinical and research infrastructure, this project will determine the feasibility of mobile data collection in early psychosis populations, while simultaneously examine its ability to systematically capture aspects of relapse and recovery.

Principal Investigator: Tara Niendam, Ph.D.

NIMH 1K23MH087708-01A1

7/1/10-1/14/15

9.6 calendar months

Cognitive Neuroscience of the Psychosis Prodrome

\$155,541 annual direct costs

This Career Development award provides funding for training in cognitive neuroscience methodologies as well as the development of a functional neuroimaging study that examines clinical and functional correlates of prefrontally-mediated cognitive control in youth at risk for psychosis and healthy controls.

Principal Investigator: Tara Niendam, Ph.D.

UC Davis Academic Federation Innovative Development Award

7/1/2009-6/30/2011

0.12 calendar months

Cognitive Neuroscience of the Psychosis Prodrome

\$10,000 total direct costs

This grant provides pilot data for a functional MRI study that seeks to elucidate cognitive and neural markers of risk for future clinical and functional deterioration in individuals at ultra-high-risk (UHR) for developing psychosis.

Principal Investigator: Tara Niendam, Ph.D.

UC Davis New Initiatives Research Grant

7/1/2012-9/30/2013

0.12 calendar months

Neural predictors of risk for psychosis and mania (RPM)

\$24,889 total direct costs

This project will provide essential pilot and feasibility data for a larger prospective, longitudinal study that utilizes clinical and neuroimaging assessments to examine young persons at high risk of developing schizophrenia (SZ) or bipolar disorder (BD).

Principal Investigator: Tara Niendam, Ph.D.

OVERLAP:

No scientific overlap.