

VITA
TYRONE DOUGLAS CANNON

Office Address

Department of Psychology
Yale University
P.O. Box 208205
2 Hillhouse Avenue
New Haven, CT 06520
(203) 436-1545
tyrone.cannon@yale.edu

Positions

Assistant Professor, Departments of Psychology and Psychiatry, University of Pennsylvania
(1991 - 1997)
Associate Professor, Departments of Psychology and Psychiatry, University of Pennsylvania
(1997 - 1999)
Professor, Departments of Psychology and Psychiatry and Biobehavioral Sciences, University of
California, Los Angeles (1999 – 2012)
Director, Staglin Center for the Assessment and Prevention of Prodromal States, Semel Institute
of Neuroscience and Human Behavior, Geffen School of Medicine, University of California,
Los Angeles (2000 – 2012)
Acting Chair, Department of Psychology, University of California, Los Angeles (2002 – 2003)
Director, Staglin IMHRO Center for Cognitive Neuroscience, Semel Institute of Neuroscience
and Human Behavior, Geffen School of Medicine, University of California, Los Angeles
(2003 – 2012)
Associate Director, Semel Institute of Neuroscience and Human Behavior, Geffen School of
Medicine, University of California, Los Angeles (2007 – 2012)
Professor, Departments of Psychology and Psychiatry, Yale University (2012 – present)

Education

BA, Dartmouth College (1985)
Major: Classics Minor: Psychology

PhD, Psychology (Clinical Neuroscience and Behavioral Genetics), University of Southern
California (1991)

Advisor: Sarnoff A. Mednick, PhD, DrMed

Internship in Clinical Psychology, Neuropsychiatric Institute, UCLA Medical Center (1991)

Advisor: Keith Nuechterlein, PhD

Honors and Awards

Predocorial Merit Fellowship, University of Southern California, 1986-1989
Young Scientist Award, Second International Congress on Schizophrenia Research, 1989
Dissertation Fellowship, Scottish Rite Foundation, 1989-1990
National Research Service Award, National Institute of Mental Health, 1990
Young Scientist Award, Life History Research Society, 1990
Distinguished Dissertation Award, University of Southern California, 1991

Alfred L. Cass Term Professor (5-year Endowed Chair), University of Pennsylvania (1998 - 1999)
Staglin Family Professor of Major Mental Illness (Endowed Chair), University of California, Los Angeles (1999 – 2012)
Joseph Zubin Award, Columbia University Department of Psychiatry, 2001
Carol Moss Spivak Scholar in Neuroscience, University of California, Los Angeles (2005-07)
Fellow, Association for Psychological Science (2009 – present)
Distinguished Teaching Award, Department of Psychology, UCLA (2010)
Elected to Board of Directors, Schizophrenia International Research Society (2014 – present)
Clark L. Hull Professor of Psychology (Endowed Chair), Yale University (2016 – present)

Memberships

Institute of Neurological Sciences, University of Pennsylvania (1992-1999)
Institute for Research in Cognitive Science, University of Pennsylvania (1997-1999)
Brain Research Institute, University of California, Los Angeles (2000-2012)
Center for Society and Genetics, University of California, Los Angeles (2004-2012)
Society for Neuroscience (2004-)
Society for Research in Psychopathology (1998 -)
International Genetic Epidemiology Society (1998 -)
American Society of Human Genetics (1998-)
Association for Psychological Science (1996 -)
American Psychological Association (1996 -)
International Early Psychosis Association (2002 -)
International Prodromal Research Network, Co-Director (with Barbara Cornblatt) (2002 -)
Schizophrenia International Research Society (2008 -)
Board of Directors, Schizophrenia International Research Society (2014 -)

Editorial Positions

Editor, Annual Review of Clinical Psychology, 2013 to present
Associate Editor, Clinical Psychological Science, 2012 to present
Associate Editor, American Journal of Psychiatry, 2013 to present
Associate Editor, Neuropsychology, 2012 to 2015
Associate Editor, Annual Review of Clinical Psychology, 2003 to 2013
Co-editor (with Dante Cicchetti) of Special Issue, “Neurodevelopmental Processes,”
Development and Psychopathology, 1999
Co-editor (with Robert Heinsen, Barbara Cornblatt, and Todd Lencz) of Special Issue “The
Prodrome to Schizophrenia), Schizophrenia Bulletin (2003)
Editor of Special Issue “The Prodromal Phase of Schizophrenia”, Schizophrenia Bulletin (2007)

Editorial Consultant

American Journal of Medical Genetics
American Journal of Psychiatry
Annual Review of Clinical Psychology
Archives of General Psychiatry
Biological Psychiatry
Current Biology
Development and Psychopathology
JAMA Psychiatry
Journal of Abnormal Psychology

Journal of Psychiatric Research
Lancet
Molecular Psychiatry
Neuroimage
Neuron
Neuropsychiatric Genetics
PLoSOne
Psychiatry Research
Psychophysiology
Psychiatric Epidemiology
Schizophrenia Bulletin
Schizophrenia Research

Reviewer Assignments

NIH Human Connectome Special Emphasis Panel, 2015
NIMH Intramural Program, 2013
ARRA Challenge Grant Panels, 2009
Wellcome Trust, UK, 2008
Canadian Ministry of Health, National Centers for Neuroscience, 2008
NIH Special Emphasis Panel – Conte Centers for Neuroscience of Mental Disorders, 2004
NIH Behavioral Genetics and Epidemiology Study (BGES) Section, 2002-2005
NIH Adult Psychopathology and Aging Study Section, 2000-2002

Conferences Organized

International Prodromal Research Network, 40 participants, Santa Monica, CA, 2003
International Prodromal Research Network, 40 participants, Vancouver, British Columbia, 2004
International Prodromal Research Network, 40 participants, Napa Valley, CA, 2005
International Prodromal Research Network, 30 participants, Los Angeles, CA, 2006
International Prodromal Research Network, 30 participants, Los Angeles, CA, 2007
North American Prodrome Longitudinal Study Initial Investigator and Training Meeting, 50 participants, Los Angeles, 2008
“From Gene Discovery to Cell Biology in Psychiatry: The Case of DISC1”, co-organized with Alcino Silva and Tom Insel, 40 participants, Napa Valley, CA, 2009
International Prodromal Research Network, 140 participants, San Diego, CA, 2009
International Prodromal Research Network, 140 participants, Colorado Springs, CO, 2011
International Prodromal Research Network, 140 participants, Orlando, FL, 2013
HARMONY Consortium Kick Off Meeting, 40 participants, Bethesda, MD, 2015

Research Grants

A. Active

U01, National Institute of Mental Health – 1/9 Predictors and Mechanisms of Conversion to Psychosis, Tyrone D. Cannon, PI, \$4,171,898 (total direct costs), 09/30/14 – 06/30/19. A collaborative project involving 9 prodromal research centers in North America to elucidate predictive biomarkers for schizophrenia and other psychoses among individuals ascertained in an ultra-high-risk clinical state.

U01 (Supplement), National Institute of Mental Health – 1/9 Predictors and Mechanisms of Conversion to Psychosis: HARMONY Supplement, Tyrone D. Cannon, PI, \$2,093,834 (total direct costs), 07/15/15 – 06/30/19. Supports a collaboration between NAPLS, two

large prodromal research consortia based in Europe – PRONIA and PSYSCAN – and the Philadelphia Neurodevelopmental cohort, pursuing predictive biomarkers for psychosis.

B. Previous

P50, National Institute of Mental Health - Encoding and Retrieval Processes in Long-Term Memory, Tyrone D. Cannon (Project PI), Keith Nuechterlein (Center PI) \$850,535, 07/10-06/15. As one project in a multi-project Center grant, uses DTI and fMRI to evaluate models of neural disconnectivity as proximal mechanisms for psychosis in longitudinal studies of prodromal adolescents and first-episode schizophrenia patients.

U01, National Institute of Mental Health – 1/8 Predictors and Mechanisms of Conversion to Psychosis, Tyrone D. Cannon, PI, \$3,000,000 (total direct costs), 09/30/08 – 04/30/14. A collaborative project involving 8 prodromal research centers in North America to elucidate predictive biomarkers for schizophrenia and other psychoses among individuals ascertained in an ultra-high-risk clinical state.

RL1, National Institute of Mental Health and National Center for Research Resources – Memory Mechanisms and Mental Disorders, Tyrone D. Cannon, PI, \$1,323,644 (total direct costs), 9/07-8/14. As one of eight major components of an NIH Roadmap Initiative sponsored Interdisciplinary Research Consortium (Consortium for Neuropsychiatric Phenomics, R. Bilder, Consortium PI), conducts translational human-rodent model studies of genes contributing to variation in short- and long-term memory functioning as well as temperament phenotypes previously linked with genetic liability to schizophrenia and bipolar disorder.

R01 MH, National Institute of Mental Health – Neural Phenotypes for Schizophrenia and Bipolar Disorder, Tyrone D. Cannon, PI, \$2,500,000 (total direct costs), 4/06-3/12. Examines disturbances in brain structure and function as inherited neurobiological traits associated with schizophrenia and bipolar disorder by applying structural and functional MRI in Swedish monozygotic and dizygotic twins concordant and discordant for schizophrenia and bipolar disorder and control twins.

T32, National Institute of Mental Health – Training in Early Detection and Prevention of Psychiatric Disorders, Tyrone D. Cannon, PI, \$1,685,370 (total direct costs), 07/01/09-06/30/14. This is an institutional training grant proposal to train pre- and post-doctoral students in early detection and prevention of psychiatric disorders.

RC1, National Institute of Mental Health – Prevention Trial of Family Focused Treatment in Youth at Clinical Risk for Psychosis, Tyrone D. Cannon, PI, \$1,000,000 (total costs), 9/30/09-9/29/12. This ARRA Challenge Grant performs a 4-site randomized, controlled trial of a family focused psychosocial intervention versus treatment as usual in the prevention of functional disability and psychosis in prodromal youth.

M01 RR00827, National Institute of Biomedical Informatics – Functional Bioinformatics Research Network (First BIRN): Functional Brain Imaging in Schizophrenia, Arthur Toga, PI (Tyrone D. Cannon, co-PI), 750,000 (total direct costs), 10/01/05-09/31/10. Uses fMRI to evaluate neural systems involved in attention and memory deficits in schizophrenia as part of a multi-site collaborative study involving data pooling and methods sharing among the sites, including MGH/Harvard, UCSD, UCI, Stanford, Iowa, Minnesota, UNC/Duke, and UCLA.

- 1 U54 GM072978-01, National Institute of Health – Center for Computational Biology, Arthur Toga, PI (Tyrone D. Cannon, co-investigator), \$13,430,861 (total direct costs), 9/15/04 - 9/14/09. Establishes a new Center for Computational Biology (CCB) to apply computational and mathematical approaches to the study of genes, cells, systems and whole brain; to develop, implement and test computational biology strategies that are applicable across spatial scales and biological systems.
- P50, National Institute of Mental Health - Encoding and Retrieval Processes in Long-Term Memory, Tyrone D. Cannon (Project PI), Keith Nuechterlein (Center PI) \$850,535, 07/02-06/07. As one project in a multi-project Center grant, uses fMRI to evaluate neural systems involved in episodic memory in longitudinal studies of prodromal adolescents and first-episode schizophrenia patients to isolate deterioration in these systems and their relation to social deterioration in the prodromal and early phase of schizophrenia.
- P50, National Institute of Mental Health - Clinical Core for Patients with Prodromal Symptoms, Tyrone D. Cannon (Core PI), Keith Nuechterlein (Center PI), \$929,685 (total direct costs), 07/02-06/07. Supports recruitment, evaluation, and treatment efforts in relation to patients with prodromal symptoms who are participating in multiple protocols evaluating neurocognitive and emotional processes as part of a Translational Research Center in Behavioral Science.
- R01, National Institute of Mental Health – Working Memory and Social Functioning in Schizophrenia, Tyrone D. Cannon, PI, \$2,288,039 (total direct costs), 1/03-12/08. Uses functional neuroimaging to evaluate neural systems involved in working memory and their relation to the development of schizophrenia and impairments in social functioning in adolescents at risk; evaluates a parallel group of first-episode schizophrenic patients with the same procedures to determine how memory systems functioning changes during the first episode of psychosis in relation to symptom recovery following treatment and to changes in social functioning.
- R01, National Institute of Mental Health - Transmission of Vulnerability Factors for Schizophrenia, Keith Nuechterlein, PI (Tyrone D. Cannon, co-investigator), \$2,446,865 (total direct costs), 4/01-3/06. Studies the familial aggregation of neuropsychological and neuroanatomical deficits associated with schizophrenia.
- R21, National Center for Research Resources – Algorithms to Map Disease & Genetic Effects on the Brain, Paul M. Thompson, PI (Tyrone D. Cannon, co-PI), \$300,000 (total direct costs), 4/03-3/06. Develops image and data analytic methods to estimate genetic and non-genetic effects on cortical neuroanatomy.
- R01, National Institute of Mental Health - Brain Function and Structure in Twins with Schizophrenia, Tyrone D. Cannon, PI, \$2,479,337 (total direct costs), 10/99-9/05. This is a competing continuation of R01 MH52857. Examines disturbances of a prefrontal cortical-working memory circuit as an inherited neurobiological substrate of schizophrenia by applying functional MRI, ERP, and PET receptor imaging techniques in Finnish monozygotic and dizygotic twins concordant and discordant for schizophrenia and control twins.
- Rutherford Charitable Foundation – A Center for the Assessment and Prevention of Thought Disorders in Adolescents at Risk, Tyrone D. Cannon, PI, \$1,250,550 (total direct costs),

11/00-10/04. Establishes a clinical research center for the early ascertainment, assessment, and preventive treatment of adolescents and young adults at high risk for developing schizophrenia.

R01, National Institute of Mental Health, MH52857 - Brain Function and Structure in Twins with Schizophrenia, Tyrone D. Cannon, PI, \$1,201,331 (total direct costs), 10/95-9/99. Examines heritability of structural and behavioral indices of temporal and frontal lobe systems involved in attention, learning, memory, language, and executive functions in Finnish monozygotic and dizygotic twins concordant and discordant for schizophrenia and normal control twins.

R29, National Institute of Mental Health, MH48207 - Prenatal and Perinatal Factors in Adult Schizophrenia, Tyrone D. Cannon, PI, \$350,000 (total direct costs), 5/92-4/97. Examines genetic and obstetric predictors of schizophrenia and magnetic resonance imaging measures of structural brain anomalies in a cohort of individuals born in Helsinki, Finland in 1955. This is a First Independent Research Support and Transition Award (FIRST).

National Alliance for Research on Schizophrenia and Depression –A Probabilistic Approach to the Study of Brain Structure in Psychiatric Disorders, John C. Mazziotta, PI (Tyrone D. Cannon, co-investigaor), \$100,000 (total direct costs), 4/1/00-3/31/01. Utilizes MRI data collected on twins discordant for schizophrenia (as part of MH52857) in an application of probabilistic atlasing methodology to study regional anatomical shape distortion and volume change in schizophrenic patients and their co-twins.

Stanley Foundation - Neurodevelopmental Risk Factors for Schizophrenia: A Structural and Functional Neuroimaging Followup Study of Discordant Sibling Pairs from a Perinatal Birth Cohort, Tyrone D. Cannon, PI, \$150,000 (total direct costs), 9/98-8/00. Examines the effects of perinatal hypoxia on adult measures of brain function and structure in schizophrenic patients and their non-schizophrenic siblings who were studied prospectively as part of a large perinatal birth cohort.

Stanley Foundation - Neurodevelopmental Risk Factors for Bipolar Disorder: A Neuropsychological, Structural and Functional Neuroimaging Followup Study of Discordant Sibling Pairs from a Perinatal Birth Cohort, Laura Sanchez, PI (Tyrone D. Cannon, co-PI), \$150,000 (total direct costs), 9/98-8/00. Examines prospectively-gathered information on birth complications and cognitive functioning during childhood to adult measures of brain function and structure in bipolar patients and their non-affectively-ill siblings.

Eli Lilly and Company - A Double-Blind Olanzapine-Haloperidol Comparison on Clinical and Neurocognitive Measures in Children and Adolescents with First-Episode Psychosis: A Pilot Study, Laura Sanchez, PI (Tyrone D. Cannon, co-PI), \$141,450 (total direct costs), 1/98-12/00. Compares olanzapine and haldol in a randomized, double-blind study of child- and adolescent-onset schizophrenic patients, using clinical, neuropsychological, and neuroimaging measures at pretest and three-month followup.

National Alliance for Research on Schizophrenia and Depression Independent Investigator Award - Genetic and Perinatal Factors in the Etiology of Schizophrenia, Tyrone D. Cannon, PI, \$100,000, 9/1/97-8/30/99. Examines obstetric risk factors for schizophrenia in Finnish nuclear families with two or more, one, and no members affected with the disorder.

March of Dimes - Neurodevelopmental Risk Factors for Schizophrenia: A Prospective Cohort Study, Tyrone D. Cannon, PI, \$65,000, 5/95-4/97. Performs chart reviews to ascertain adult psychiatric diagnoses of members of a Philadelphia birth cohort who were originally studied as part of the National Collaborative Perinatal Project.

Stanley Foundation - Neurodevelopmental Risk Factors for Schizophrenia, Tyrone D. Cannon, PI, \$56,500 (total direct costs), 6/95-5/98. Ascertains individuals born in Philadelphia in 1959-65 who were originally studied as part of the National Collaborative Perinatal Project and on whom detailed information concerning prenatal and perinatal complications and motor and cognitive development from infancy through age 7 is available.

Center for Functional and Metabolic Brain Imaging, University of Pennsylvania - PET CBF Studies of Learning and Memory in Siblings Discordant for Schizophrenia, Tyrone D. Cannon, PI, \$11,500, 9/93-8/94. Positron emission tomography studies of regional cerebral blood flow during verbal and spatial learning and memory tasks in sibling pairs discordant for schizophrenia.

Research Foundation, University of Pennsylvania - Functional Magnetic Resonance Imaging and Cognition, Tyrone D. Cannon, PI, (Lisa Eyster Zorrilla, co-PI), \$7,500, 6/93-5/95. Pilot studies of neural networks involved in attention, declarative memory, and memory for spatiotemporal context using fMRI.

Publications

A. Journal Articles

1. Cannon, T. D., Fuhrmann, M., Mednick, S. A., Machon, R. A., Parnas, J., & Schulsinger, F. (1988). Third ventricle enlargement and reduced electrodermal responsiveness. Psychophysiology, 25, 153-156.
2. Cannon, T. D., Mednick, S. A., & Parnas, J. (1989). Genetic and perinatal determinants of structural brain deficits in schizophrenia. Archives of General Psychiatry, 46, 883-889.
3. Lyon, M., Barr, C. E., Cannon, T. D., Mednick, S. A., & Shore, D. (1989). Fetal neural development and schizophrenia. Schizophrenia Bulletin, 15, 149-161.
4. Cannon, T. D., Mednick, S. A., & Parnas, J. (1990). Antecedents of predominantly negative and predominantly positive symptom schizophrenia in a high-risk population. Archives of General Psychiatry, 47, 622-632.
5. Erel, O., Cannon, T. D., Hollister, J. M., Mednick, S. A., & Parnas, J. (1991). Ventricular enlargement and premorbid deficits in school-occupational attainment in a high-risk sample. Schizophrenia Research, 4, 49-52.
6. Raine, A., & Cannon, T.D. (1991). Neurodevelopmental, brain-imaging, and psychophysiological perspectives on the neuropsychology of schizophrenia. Behavioral and Brain Sciences, 14, 43-44.
7. Cannon, T. D., Raine, A., Herman, T., Mednick, S. A., Schulsinger, F., & Moore, M. (1992). Third ventricle enlargement and lower heart rate levels in a high-risk sample. Psychophysiology, 29, 294-301.

8. Shtasel, D. L., Gur, R. E., Gallacher, F., Heimberg, C., Cannon, T. D., & Gur, R. C. (1992). Phenomenology and functioning in first episode schizophrenia. Schizophrenia Bulletin, 18, 449-462.
9. Cannon, T.D., & Mednick, S.A. (1993). The schizophrenia high-risk project in Copenhagen: Three decades of progress. Acta Psychiatrica Scandinavica, 370, 33-47.
10. Cannon, T. D., Mednick, S. A., Parnas, J., Schulsinger, F., Praestholm, J., & Vestergaard, A. (1993). Developmental brain abnormalities in the offspring of schizophrenic mothers: I. Contributions of genetic and perinatal factors. Archives of General Psychiatry, 50, 551-564.
11. Parnas, J., Cannon, T. D., Jacobsen, B., Schulsinger, H., Schulsinger, F., & Mednick, S. A. (1993). Lifetime DSM-III-R diagnostic outcomes in offspring of schizophrenic mothers: Results from the Copenhagen high-risk study. Archives of General Psychiatry, 50, 707-714.
12. Cannon, T. D., & Marco, E. (1994). Structural brain abnormalities as indicators of vulnerability to schizophrenia. Schizophrenia Bulletin, 20, 89-102.
13. Gur, R. E., Mozley, D., Shtasel, D. L., Cannon, T. D., Gallacher, F., Turetsky, B., Grossman, R., & Gur, R. C. (1994). Clinical subtypes of schizophrenia: Differences in brain and CSF volume. American Journal of Psychiatry, 151, 343-350.
14. Hollister, M., Mednick, S. A., Brennan, P., & Cannon, T. D. (1994). Impaired autonomic nervous system habituation in those at genetic risk for schizophrenia. Archives of General Psychiatry, 51, 552-558.
15. Cannon, T. D., Eyer Zorrilla, L. T., Shtasel, D. L., Gur, R. E., Gur, R. C., Marco, E. J., Moberg, P., & Price R. A. (1994). Neuropsychological functioning in siblings discordant for schizophrenia and healthy volunteers. Archives of General Psychiatry, 51, 651-661.
16. Cannon, T. D., Mednick, S. A., Schulsinger, F., Parnas, J., Praestholm, J., & Vestergaard, A. (1994). Developmental brain abnormalities in the offspring of schizophrenic mothers: II. Structural brain characteristics of schizophrenia and schizotypal personality disorder. Archives of General Psychiatry, 51, 955-962.
17. Tyrka, A., Cannon, T. D., Haslam, N., Mednick, S. A., & Schulsinger, F. (1995). The latent structure of schizotypy: I. Premorbid indicators of a taxon of individuals at risk for schizophrenia spectrum disorders. Journal of Abnormal Psychology, 104, 173-183.
18. Szymanski, S., Cannon, T. D., Gallacher, F., Erwin, R., & Gur, R. E. (1996). Course of treatment response in first-episode and chronic schizophrenia. American Journal of Psychiatry, 153, 519-525.
19. Zorrilla, E. P., Cannon, T. D., Gur, R. E., & Kessler, J. (1996). Leukocytes and organ-nonspecific autoantibodies in schizophrenics and their siblings: Markers of vulnerability or disease? Biological Psychiatry, 40, 825-833.
20. Cannon, T. D. (1996). Abnormalities of brain structure and function in schizophrenia: Implications for etiology and pathophysiology. Annals of Medicine, 28, 533-539.

21. Eyler Zorrilla, L. T., Aguirre, G. K., Zarah, E., Cannon, T. D., D'Esposito, M. (1996). Activation of the prefrontal cortex during judgments of recency: A functional MRI study. NeuroReport, 7, 2803-2806.
22. Olin, S. S., Raine, A., Cannon, T. D., Parnas, J., Schulsinger, F., & Mednick, S. A. (1997). Childhood behavior precursors of schizotypal personality disorder. Schizophrenia Bulletin, 23, 93-103.
23. Finkelstein, J., Cannon, T. D., Gallacher, F., Gur, R. C., & Gur, R. E. (1997). Attentional dysfunctions in neuroleptic-naive and neuroleptic-withdrawn schizophrenic patients and their siblings. Journal of Abnormal Psychology, 106, 203-212.
24. Cannon, T. D. (1997). On the nature and mechanisms of obstetric influences in schizophrenia: A review and synthesis of epidemiologic studies. International Review of Psychiatry, 9, 387-397.
25. Arnold, S. E., Joo E., Martinoli, M., Roy, N., Trojanowski, J. Q., Gur, R. E., Cannon, T. D., & Price, R. A. (1997). Apolipoprotein E genotype in schizophrenia: Frequency, age at onset, and neuropathological features. NeuroReport, 8, 1523-1526.
26. Higgins, J., Gore, R., Gutkind, D., Mednick, S.A., Parnas, J., Schulsinger, F., & Cannon, T.D. (1997). Effects of child-rearing by schizophrenic mothers: A 25-year follow-up. Acta Psychiatrica Scandinavica, 96, 402-404.
27. Eyler Zorrilla, L. T., Cannon, T. D., Kronenberg, S., Mednick, S. A., Parnas, J., Schulsinger, F., Praestholm, J., & Vestergaard, A. (1997). Structural brain abnormalities in discordant offspring of schizophrenic mothers. Biological Psychiatry, 42, 1080-1086.
28. Cannon, T. D. (1998). Neurodevelopmental influences in the genesis and epigenesis of schizophrenia: An overview. Applied and Preventive Psychology, 7, 47-62.
29. Cannon, T. D., Kaprio, J., Lonnqvist, J., Huttunen, M. O., & Koskenvuo, M. (1998). The genetic epidemiology of schizophrenia in a Finnish twin cohort: A population-based modeling study. Archives of General Psychiatry, 55, 67-74.
30. Gur, R. E., Cowell, P., Turetsky, B. I., Gallacher, F., Cannon, T. D., Bilker, W., & Gur, R. C. (1998). A follow-up magnetic resonance imaging study of schizophrenia: Relationship of neuroanatomical changes to clinical and neurobehavioral measures. Archives of General Psychiatry, 55, 145-152.
31. Zorrilla, E. P., Cannon, T. D., Kessler, J., & Gur, R. E. (1998). Leukocyte differentials predict short-term clinical outcome following neuroleptic treatment in schizophrenia. Biological Psychiatry, 43, 887-896.
32. Cannon, T. D., van Erp, T., Huttunen, M., Lönqvist, J., Salonen, O., Valanne, L., Poutanen, V.-P., Standerskjöld-Nordenstam, C.-G., Gur, R.E., & Yan, M. (1998). Regional gray matter, white matter, and cerebrospinal fluid distributions in schizophrenic patients, their siblings, and controls. Archives of General Psychiatry, 55, 1084-1091.

33. Olin, S.S., Mednick, S.A., Cannon, T.D., Jacobsen, B., Parnas, J., Schulsinger, F., & Schulsinger, H. (1998). School teacher ratings predictive of psychiatric outcome 25 years later. British Journal of Psychiatry, 172 (Suppl 33), 7-13.
34. Joo, E., Lee, J. H., Cannon, T. D., & Price, R. A. (1999). Possible association between schizophrenia and a CAG repeat polymorphism in spinocerebellar ataxia type 1 (SCA1) gene on human chromosome 6p23. Psychiatric Genetics, 9, 7-12.
35. Cannon, T. D., Rosso, I. M., Bearden, C. E., Sanchez, L. E., & Hadley, T. (1999). A prospective cohort study of neurodevelopmental processes in the genesis and epigenesis of schizophrenia. Development and Psychopathology, 11, 467-485.
36. Cicchetti, D., & Cannon, T.D. (1999). Neurodevelopmental processes in the ontogenesis and epigenesis of psychopathology. Development and Psychopathology, 11, 375-393.
37. Carter, J.W., Parnas, J., Cannon, T.D., Schulsinger, F., & Mednick, S.A. (1999). MMPI variables predictive of schizophrenia in the Copenhagen High-Risk Project: a 25-year follow-up. Acta Psychiatrica Scandinavica, 6, 432-440.
38. Turetsky, B. I., Cannon, T. D., & Gur, R. E. (2000). P300 subcomponent abnormalities in schizophrenia: III. Deficits in unaffected siblings of schizophrenic probands. Biological Psychiatry, 47, 380-390.
39. Glahn, D. C., Cannon, T. D., Gur, R. E., Ragland, J. D., & Gur, R. C. (2000). Working memory constrains abstraction in schizophrenia. Biological Psychiatry, 47, 34-42.
40. Rosso, I. M., Cannon, T. D., Huttunen, T., Huttunen, M. O., Lönnqvist, J., & Gasperoni T. L. (2000). Obstetric risk factors for early-onset schizophrenia in a Finnish birth cohort. American Journal of Psychiatry, 157, 801-807.
41. Cannon, T. D., Rosso, I. M., Hollister, J. M., Bearden, C., Sanchez, L.E., & Hadley, T. (2000). A prospective cohort study of genetic and perinatal influences in the etiology of schizophrenia. Schizophrenia Bulletin, 26, 351-366.
42. Cannon, T. D., Bearden, C., Hollister, J. M., Rosso, I. M., Sanchez, L. E., & Hadley, T. (2000). Childhood cognitive functioning in schizophrenic patients and their siblings: A prospective cohort study. Schizophrenia Bulletin, 26, 379-393.
43. Rosso, I. M., Bearden, C., Hollister, J. M., Gasperoni, T. L., Sanchez, L. E., Hadley, T., & Cannon, T. D. (2000). Childhood neuromotor dysfunction in schizophrenia patients and their unaffected siblings: A prospective cohort study. Schizophrenia Bulletin, 26, 367-378.
44. Bearden, C. E., Rosso, I. M., Hollister, J. M., Sanchez, L. E., Hadley, T., & Cannon, T. D. (2000). A prospective cohort study of childhood behavioral deviance and language abnormalities as predictors of adult schizophrenia. Schizophrenia Bulletin, 26, 395-410.
45. Cannon, T. D., Huttunen, M. O., Lönnqvist, J., Tulio-Henriksson, A., Pirkola, T., Glahn, D., Finkelstein, J., Hietanen, M., Kaprio, J., & Koskenvuo, M. (2000). The inheritance of neuropsychological dysfunction in twins discordant for schizophrenia. American Journal of Human Genetics, 67, 369-382.

46. Cannon, T. D., Gasperoni, T. L., van Erp, T.G.M., & Rosso, I. M. (2001). Quantitative neural indicators of liability to schizophrenia: Implications for molecular genetic studies. Neuropsychiatric Genetics, 105, 16-19.
47. Bearden, C. E., Hoffman, K. M., & Cannon, T. D. (2001). The neuropsychology and neuroanatomy of bipolar affective disorder: A critical review. Bipolar Disorders, 3, 106-150.
48. Schiffman, J., Abrahamson, A., Cannon, T. D., LaBrie, J., Parnas, J., Schulsinger, F., & Mednick, S.A. (2001). Early rearing factors in schizophrenia. International Journal of Mental Health, 30, 3-16.
49. Mazziotta, J., Toga, A.W., Evans, A., Fox, P., Lancaster, J., Zilles, K., Woods, R., Paus, T., Simpson, G., Pike, B., Holmes, C., Collins, L., Thompson, P., MacDonald, D., Iacoboni, M., Schormann, T., Amunts, K., Palomero-Gallagher, N., Geyer, S., Parsons, L., Narr, K., Kabani, N., Le Goualher, G., Boomsma, D., Cannon, T.D., Kawashima, R., & Mazoyer, B. (2001). A probabilistic atlas and reference system for the human brain: International Consortium for Brain Mapping. Philosophical Transactions of the Royal Society of London: Biological Sciences, 356, 1293-1322.
50. Bearden, C. E., Woodin, M., Wang, P. P., Moss, E., McDonald-McGinn, D., Zackai, E., & Cannon, T. D. (2001). Neuropsychological function in the 22q11.2 deletion syndrome: Selective deficit in visuospatial memory. Journal of Clinical and Experimental Neuropsychology, 23, 447-464.
51. Thompson, P.M., Cannon, T.D., Narr, K.L., van Erp, T.G.W., Poutanen, V.-P., Huttunen, M.O., Lonnqvist, J., Standerskjold-Nordenstam, C.G., Kaprio, J., Khaledy, M., Dail, R., Zoumalan, C.I., J., Toga, A.W. (2001). Genetic influences on brain structure. Nature Neuroscience, 4, 1253-1258.
52. Mazziotta, J., Toga, A.W., Evans, A., Fox, P., Lancaster, J., Zilles, K., Woods, R., Paus, T., Simpson, G., Pike, B., Holmes, C., Collins, L., Thompson, P., MacDonald, D., Iacoboni, M., Schormann, T., Amunts, K., Palomero-Gallagher, N., Geyer, S., Parsons, L., Narr, K., Kabani, N., Le Goualher, G., Boomsma, D., Cannon, T.D., Kawashima, R., & Mazoyer, B. (2001). A four-dimensional probabilistic atlas of the human brain: International Consortium for Brain Mapping. Journal of the American Medical Informatics Association, 8, 401-430.
53. Cannon, T. D., van Erp, T., Huttunen, M., Lonnqvist, J., Salonen, O., Valanne, L., Poutanen, V.-P., & Standerskjold-Nordenstam, C.-G. (2002). Fetal hypoxia and structural brain abnormalities in schizophrenic patients, their siblings, and controls. Archives of General Psychiatry, 59, 35-41.
54. Cannon, T.D., Thompson, P.M., van Erp, T.G.W., Toga, A.W., Poutanen, V.-P., Huttunen, M.O., Lonnqvist, J., Standerskjold-Nordenstam, C.G., Narr, K.L., Khaledy, M., Zoumalan, C.I., Dail, R., Kaprio, J. (2002). Cortex mapping reveals regionally specific patterns of genetic and disease specific gray matter deficits in twins discordant for schizophrenia. Proceedings of the National Academy of Sciences of the USA, 99, 3228-3233.

55. Schiffman, J., LaBrie, J., Mednick, S. A., Cannon, T. D., Schulsinger, F., & Parnas, J. (2002). Perception of parent-child relationships in high-risk families and adult schizophrenia outcome of offspring. Journal of Psychiatric Research, 36, 41-47.
56. Cannon, T. D., van Erp, T.G., & Glahn, D. C. (2002). Elucidating continuities and discontinuities between schizotypy and schizophrenia in the nervous system. A twin study vantage point. Schizophrenia Research, 54, 151-156.
57. Narr KL, Cannon TD, Woods RP, Thompson PM, Kim S, Asuncion D, van Erp TG, Poutanen VP, Huttunen M, Lonnqvist J, Standerskjold-Nordenstam CG, Kaprio J, Mazziotta JC, Toga AW. (2002). Genetic contributions to altered callosal morphology in schizophrenia. Journal of Neuroscience, 22, 3720-3729.
58. Cannon, T.D., Huttunen, M.O., Dahlström, M., Larmo, I., Räsänen, P., Juriloo, A. (2002). Antipsychotic drug treatment in the prodromal phase of schizophrenia. American Journal of Psychiatry, 159, 1230-1232.
59. Cannon, T. D., & Rosso, I.R. (2002). Levels of analysis in etiologic research on schizophrenia. Development and Psychopathology, 14, 653-666.
60. Tuulio-Henriksson, A., Haukka, J., Partonen, T., Varilo, T., Paunio, T., Ekelund, J., Cannon, T.D., Meyer, J.M., & Lonnqvist, J. (2002). Heritability and number of quantitative trait loci of neurocognitive functions in families with schizophrenia. American Journal of Medical Genetics, 114, 483-490.
61. Glahn, D.C., Kim, J., Cohen, M.S., Poutanen, V.-P., Therman, S., Bava, S., van Erp, T.G.M., Manninen, M., Huttunen, M., Lonnqvist, J., Standerskjold-Nordenstam, C.G., & Cannon, T. D. (2002). Maintenance and manipulation in spatial working memory: Dissociations in the lateral prefrontal cortex. Neuroimage, 17, 201-213.
62. Van Erp TG, Saleh PA, Rosso IM, Huttunen M, Lonnqvist J, Pirkola T, Salonen O, Valanne L, Poutanen VP, Standerskjold-Nordenstam CG, Cannon TD. (2002). Fetal hypoxia and hippocampus volumes in schizophrenia patients, their siblings, and healthy controls. American Journal of Psychiatry, 159, 1514-1520.
63. Salokangas, R.K.R., Cannon, T.D., van Erp, T., Ilonen, T., Taimmen, T., Karlsson, H., Lauerma, H., Leinonen, K.-M., Wallenius, E., Kaljonen, A., Syvalahti, E., Vilkkumäki, H., Alanen, A., & Hietala, J. (2002). Structural magnetic resonance imaging in patients with first-episode schizophrenia, psychotic and severe non-psychotic depression, and healthy controls. British Journal of Psychiatry, 181 (Suppl. 43), 58-65.
64. Narr, K.L., van Erp, T.G.W., Cannon, T.D., Woods, R.P., Thompson, P.M., Jang, S., Blanton, R., Poutanen, V.-P., Huttunen, M.O., Lonnqvist, J., Standerskjold-Nordenstam, C.G., Kaprio, J., Mazziotta, J., Toga, A.W. (2002). A twin study of genetic contributions to hippocampal morphology in schizophrenia. Neurobiology of Disease, 11, 83-95.
65. Thompson, P., Cannon, T.D., & Toga, A.S. (2002). Mapping genetic influences on human brain structure. Annals of Medicine, 34, 523-536.

66. Thompson, P., Rapoport, J.L., Cannon, T.D., & Toga, A.W. (2002). Imaging the brain as schizophrenia develops: Dynamic and genetic brain maps. Primary Psychiatry, 9, 40-47.
67. Thompson, P.M., Hayashi, K.M., de Zubicaray G., Janke A.L., Rose S.E., Semple J., Doddrell, D. M., Cannon, T.D., & Toga, A.W. (2002). Detecting dynamic and genetic effects on brain structure using high-dimensional cortical pattern matching. Proceedings of the IEEE International Symposium on Biomedical Imaging (ISBI2002).
68. Gasperoni, T.L., Ekelund, J., Huttunen, M.O., Palmer, C.G., Tuulio-Henriksson, A., Lonnqvist, J., Kaprio, J., Peltonen, L., & Cannon, T. D. (2003). Genetic linkage and association between chromosome 1Q and working memory function in schizophrenia. American Journal of Medical Genetics, 116B, 8-16.
69. Carter, J. W., Schulsinger, F., Parnas, J., Cannon, T. D., & Mednick, S. A. (2003). A multivariate prediction model of schizophrenia. Schizophrenia Bulletin, 28, 649-682.
70. Cannon, T.D., van Erp, T.G.M., Bearden, C.E., Loewy, R., Thompson, P.M., Toga, A.W., Huttunen, M.O., Keshevan, M., Seidman, L., & Tsuang, M.T. (2003). Early and late neurodevelopmental influences in the prodrome to schizophrenia: Contributions of genes, environment, and their interactions. Schizophrenia Bulletin, 29, 653-669.
71. Glahn, D. C., Therman, S., Manninen, M., Huttunen, M.O., Kaprio, J., Lönqvist, J., Cannon, T.D. (2003). Spatial working memory as an endophenotype for schizophrenia. Biological Psychiatry, 53, 624-626.
72. Tuulio-Henriksson, A., Arajarvi, R., Partonen, T., Haukka, J., Varilo, T., Schreck, M., Cannon, T.D., Lonnqvist, J. (2003). Familial loading associates with impairment in visual span among healthy siblings of schizophrenia patients. Biological Psychiatry, 54, 623-628.
73. Hietala, J., Cannon, T. D., van Erp, T. G. M., Vilkmann, H., Laakso, A., Alakare, B., Rakkolainen, V., Salokangas, R., & Syvalahti, E. (2003). Regional brain morphology in never-medicated first-episode schizophrenic patients – a magnetic resonance imaging study. Schizophrenia Research, 64, 79-81.
74. Kieseppä, T.; van Erp, T.G.M.; Haukka, J; Partonen, T; Cannon, TD; Kaprio, J; & Lönqvist, J. (2003). Reduced left hemispheric white matter volume in twins with bipolar I disorder. Biological Psychiatry, 54, 896-905.
75. Johnson, J.K., Tuulio-Henriksson, A., Pirkola, T., Huttunen, M.O., Lonnqvist, J., Kaprio, J., & Cannon, T.D. (2003). Do schizotypal symptoms mediate the relationship between genetic risk for schizophrenia and impaired neuropsychological performance in co-twins of schizophrenic patients? Biological Psychiatry, 54, 1200-1204.
76. Niendam, T., Bearden, C.E., Rosso, I.R., 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.
77. van Erp, T.G.W., Saleh, P., Huttunen, M.O., Lönqvist, J., Kaprio, J., Salonen O, Valanne L, Poutanen VP, Standertskjold-Nordenstam CG, & Cannon TD. (2004). Hippocampal volumes in schizophrenic twins. Archives of General Psychiatry, 61, 346-353.

78. Kim, J., Glahn, D. C., Nuechterlein, K. H., & Cannon, T.D. (2004). Maintenance and manipulation of information in schizophrenia: Further evidence for impairment in the central executive component of working memory. Schizophrenia Research, 68, 173-187.
79. Schnack, H.G., van Haren, N.E.M, Hulshoff, H.E., Murray, R., Sauer, H., Cannon, T.D., Huttunen, M.O., & Kahn, R.S. (2004). Reliability of brain volumes from multicenter MRI acquisition: A calibration study. Human Brain Mapping, 22, 312-320.
80. Paunio, T., Tuulio-Henriksson, A., Hiekkalinna, T., Perola, M., Varilo, T., Partonen, T., Cannon, T.D., Lonnqvist, J., & Peltonen, L. (2004). Search for cognitive trait components of schizophrenia reveals a locus for verbal learning and memory on 4q and for visual working memory on 2q. Human Molecular Genetics, 13, 1693-1702.
81. Salokangas, R.K.R., Heinimaa, M., Ilonen, T., Suomela, T., Korkeila, J., Plathin, M., Ristkari, T., Huttunen, J., Hietala, J., Syvalahti, E., Cannon, T., & McGlashan, T.H. (2004). Vulnerability to and current risk of psychosis. Neurology, Psychiatry and Brain Research, 11, 37-44.
82. Thompson, P., Hayashi, K.M., Sowell, E.R., Gogtay, N., Giedd, J.N., Rapoport, J.L., de Zubicaray, G., Janke, A.L., Rose, S.E., Semple, J., Doddrell, D.M., Wang, Y., Cannon, T.D., & Toga, A.W. (2004). Mapping cortical change in Alzheimer's disease, brain development and schizophrenia. Neuroimage, 23 (Suppl), S2-18.
83. Bearden CE, van Erp TG, Monterosso JR, Simon TJ, Glahn DC, Saleh PA, Hill NM, McDonald-McGinn DM, Zackai E, Emanuel BS, Cannon TD. (2004). Regional brain abnormalities in 22q11.2 deletion syndrome: association with cognitive abilities and behavioral symptoms. Neurocase, 10, 198-206.
84. Kieseppa, T., Tuulio-Henriksson, A., Haukka, J., van Erp, T., Glahn, D., Cannon, T.D., Partonen, T., Kaprio, J., & Lonnqvist, J. (2005). Memory and verbal learning functions in twins with bipolar-1 disorder, and the role of information-processing speed. Psychological Medicine, 35, 205-215.
85. Cannon, T.D. (2005). The inheritance of intermediate phenotypes for schizophrenia. Current Opinion in Psychiatry, 18, 135-140.
86. Hirvonen, J., van Erp, T.G.M., Huttunen, J., Aalto, S., Nagren, K., Huttunen, M., Lonnqvist, J., Kaprio, J., Hietala, J., & Cannon, T.D. (2005). Increased caudate dopamine D2 receptor availability as a genetic marker for schizophrenia. Archives of General Psychiatry, 62, 371-378.
87. Karlsgodt, K.H., Shirinyan, D., van Erp, T.G.M., Cohen, M.S., & Cannon, T.D. (2005). Hippocampal activations during encoding and retrieval in a verbal working memory paradigm. Neuroimage, 25, 1224-1231.
88. 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., & Cannon, T.D. (2005). The psychosis prodrome in adolescent patients viewed through the lens of DSM-IV. Journal of Child and Adolescent Psychopharmacology, 15, 434-451.

89. Cannon, T.D. (2005). Clinical and genetic high-risk strategies in understanding vulnerability to psychosis. Schizophrenia Research, 79, 35-44.
90. Loewy, R.L., Bearden, C.E., Johnson, J.K., Raine, A., & Cannon, T.D. (2005). The Prodromal Questionnaire (PQ): Preliminary validation of a self-report screening measure for prodromal symptoms of psychosis. Schizophrenia Research, 79, 117-125.
91. Cannon, T.D., Glahn, D.C., Kim, J., van Erp, T.G.M., Cohen, M.S., Nuechterlein, K.H., Bava, S., & Shirinyan, D. (2005). Dorsolateral prefrontal cortex activity during maintenance and manipulation of information in working memory in patients with schizophrenia. Archives of General Psychiatry, 62, 1071-1080.
92. Cannon, T.D., Hennah, W., van Erp, T.G.M., Thompson, P., Lonnqvist, J., Huttunen, M.O., Gasperoni, T., Tuulio-Henriksson, A., Pirkola, T., Toga, A.W., Kaprio, J., Mazziotta, J., & Peltonen, L. (2005). DISC1/TRAX haplotypes associate with schizophrenia, reduced prefrontal gray matter, and impaired short- and long-term memory. Archives of General Psychiatry, 62, 1205-1213.
93. Li, W.D., Cui, Y., Kushner, S., Jentsch, J.D., Frankland, P.F., Cannon, T.D., & Silva, A.J. (2005). The HMG-CoA reductase inhibitor, lovastatin, reverses the learning and attention deficits in a mouse model of Neurofibromatosis Type 1. Current Biology, 15, 1961-1967.
94. Pirkola, T.; Tuulio-Henriksson, A.; Glahn, D.C.; Kieseppä, T.; Haukka, J.; Kaprio, J.; Lonnqvist, J.; & Cannon, T.D. (2005). Spatial working memory function in twins with schizophrenia and bipolar disorder. Biological Psychiatry, 58, 930-936.
95. Hennah, W., Tuulio-Henriksson, A., Paunio, T., Ekelund, J., Varilo, T., Partonen, T., Cannon, T.D., Lonnqvist, J., Peltonen, L. (2005). A haplotype of the DISC1 gene associates with visuospatial working memory functioning. Molecular Psychiatry, 10, 1097-1103.
96. Murray, G.K., Veijola, J., Moilanen, K., Miettunen, J., Cannon, T.D., Jones, P.B., & Isohanni, M. (2006). Continuities and discontinuities between infant neurodevelopmental milestones and adult neurocognitive function. Journal of Child Psychiatry and Psychology, 47, 25-29.
97. Murray, G.K., Jones, P.B., Moilanen, K., Veijola, J., Miettunen, J., Cannon, T.D., Jones, & Isohanni, M. (2006). Infant motor development and adult cognitive functions in schizophrenia. Schizophrenia Research, 81, 65-74.
98. O'Brien, M.P., Gordan, J.L., Bearden, C.E., Lopez, S.R., Kopelowicz, A., & Cannon, T.D. (2006). Positive family environment predicts improvement in symptoms and social functioning among adolescents at imminent risk for onset of psychosis. Schizophrenia Research, 81, 269-275.
99. Cannon, T.D., Thompson, P.M., van Erp, T.G.M., Huttunen, M.O., Lonnqvist, J., Kaprio, J., & Toga, A.W. (2006). Mapping heritability and molecular genetic associations with cortical features using probabilistic brain atlases: Methods and applications to Schizophrenia. Neuroinformatics, 4, 5-19.

100. Cannon, T.D., & Keller, M.C. (2006). Endophenotypes in the genetic analysis of mental disorders. Annual Review of Clinical Psychology, 2, 267-290.
101. Hirvonen, J., van Erp, T.G.M., Huttunen, J., Nagren, K., Huttunen, M., Lonnqvist, J., Kaprio, J., Cannon, T.D., & Hietala, J. (2006). Striatal D1 and D2 receptor balance and genetic vulnerability for schizophrenia. Psychiatry Research: Neuroimaging, 146, 13-20.
102. Niendam, T.A., Bearden, C.E., Johnson, J., Loewy, R., O'Brien, M.P., Nuechterlein, K.H., Green, M.F., & Cannon, T.D. (2006). Neurocognitive performance and social functioning in the psychosis prodrome. Schizophrenia Research, 84, 100-111.
103. Hirvonen, J., Cannon, T.D., van Erp, T.G.M., Aalto, S., Huttunen, J., Nagren, K., Huttunen, M., Lonnqvist, J., Kaprio, J., & Hietala, J. (2006). Brain dopamine D1 receptors in monozygotic and dizygotic twin pairs discordant for schizophrenia. American Journal of Psychiatry, 163, 1747-1753.
104. Ahveninen J, Jääskeläinen IP, Osipova D, Huttunen MO, Ilmoniemi RJ, Kaprio J, Lonnqvist J, Manninen M, Pakarinen S, Therman S, Näätänen R, Cannon TD. (2006). Inherited auditory-cortical dysfunction in twin pairs discordant for schizophrenia. Biological Psychiatry, 60, 612-620.
105. Karlsgodt, K., Glahn, D., van Erp, T.G.M., Therman, S., Huttunen, M.O., Manninen, J., Lonnqvist, J., Kaprio, J., Cohen, M.S., & Cannon, T.D. (2007). The relationship of performance and fMRI signal during working memory in twins with schizophrenia. Schizophrenia Research, 89, 191-197.
106. Bearden, C.E., van Erp, T.G.M., Dutton, R.A., Tran, H., Zimmermann, L., Sun, D., Geaga, J.A., Simon, T.J., Glahn, D.C., Cannon, T.D., Emanuel, B.S., Toga, A.W., & Thompson, P.M. (2007). Mapping cortical thickness in children with 22q11.2 deletions. Cerebral Cortex, 17, 1889-1898.
107. Bearden, C.E., van Erp, T.G.M., Thompson, P.M., Toga, A.W., & Cannon, T.D. (2007). Cortical mapping of genotype-phenotype relationships in schizophrenia. Human Brain Mapping, 28, 519-532.
108. Ellman, L.M., Huttunen, M.O., Lonnqvist, J., & Cannon, T.D. (2007). The effects of genetic liability for schizophrenia and maternal smoking during pregnancy on obstetric complications. Schizophrenia Research, 93, 229-236.
109. Loewy, R., Johnson, J.K., & Cannon, T.D. (2007). How unusual are unusual experiences? Self-report of attenuated psychotic symptoms in a college population. Schizophrenia Research, 93, 144-151.
110. Addington, J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Heinssen, R. (2007). North American Prodrome Longitudinal Study (NAPLS): A collaborative multi-site approach to prodromal schizophrenia research. Schizophrenia Bulletin, 33, 665-672.

111. 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, 772-781.
112. Cornblatt, B.A., Auther, A., Niendam, T.A., Smith, C.W., Zinberg, J., Bearden, C.E., & Cannon, T.D. (2007). Preliminary findings for two new measures of social and role functioning in the prodromal phase of schizophrenia. Schizophrenia Bulletin, 33, 688-702.
113. Cannon, T.D., Cornblatt, B., & McGorry, P. (2007). Editor's introduction: The empirical status of the ultra-high-risk (prodromal) research paradigm. Schizophrenia Bulletin, 33, 661-664.
114. 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.
115. McGlashan, T.H., Addington, J., Cannon, T.D., Heinimaa, M., McGorry, P., O'Brien, M.P., Penn, D., Perkins, D.O., Salokangas, R.K.R., Walsh, B., Woods, S.W., & Yung, A. (2007). Recruitment and treatment practices for help-seeking 'prodromal' patients. Schizophrenia Bulletin, 33, 715-726.
116. Schurmann, M., Jarvelainen, J., Avikainen, S., Cannon, T.D., Lonnqvist, J., Huttunen, M., Kaprio, J., & Hari, R. (2007). Manifest disease and motor cortex activity in twins discordant for schizophrenia. British Journal of Psychiatry, 191, 178-179.
117. Cho, S., Holyoak, K., & Cannon, T.D. (2007). Analogical reasoning in working memory: Resources shared among relational integration, inhibition, and maintenance. Memory and Cognition, 35, 1445-1455.
118. Ishizuka, K., Chen, J., Taya, S., Li, W., Millar, J.K., Xu, Y., Clapcote, S., Hookway, C., Morita, M., Kamiya, A., Tomada, T., Lipska, B.K., Roder, J., Pletnikov, M., Porteous, D., Silva, A.J., Cannon, T.D., Kaibuchi, K., Brandon, N., Weinberger, D.R., Sawa, A. (2007). Evidence that majority of isoforms of DISC1 protein are expressed in the 129S6/SvEv mouse strain with almost no difference in profiles from those of the C57BL/6J strain. Molecular Psychiatry, 12, 897-899.
119. Li, W., Zhou, Y., Jentsch, J.D., Ehninger, D., Tian, X., Brown, R.A.M., Hennah, W., Peltonen, L., Lonnqvist, J., Huttunen, M.O., Kaprio, J., Trachtenberg, J.T., Silva, A.J., Cannon, T.D. (2007). Convergent evidence for developmental disruptions of DISC1 in the pathophysiology of schizophrenia. Proceedings of the National Academy of Sciences of the USA, 104, 18280-18285.
120. 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, 325-332.
121. Buka, S., Cannon, T.D., Torrey, E.F., & Yolken, R.H. (2008). Maternal prevalence of herpes simplex virus and risk for schizophrenia among adult offspring. Biological Psychiatry, 63, 809-15.

122. Cannon, T.D., Cadenhead, K.S., Cornblatt, B., Woods, S., Addington, J., Walker, E.F., Seidman, L.J., Perkins, D.O., Tsuang, M.T., McGlashan, T.H., & Heinssen, R. (2008). Prediction of psychosis in youth at high clinical risk: A multi-site longitudinal study in North America. Archives of General Psychiatry, 65, 28-37.
123. Karlsgodt, K.H., van Erp, T.G.M., Poldrack, R., Bearden, C.E., Nuechterlein, K.H., & Cannon, T.D. (2008). Diffusion tensor imaging of the superior longitudinal fasciculus and working memory in recent onset patients with schizophrenia. Biological Psychiatry, 63, 512-518.
124. van Erp, T.G.M., Lesh, T.A., Knowlton, B., Bearden, C.E., Hardt, M., Karlsgodt, K.H., Shirinyan, D., Rao, V., Green, M.F., Nuechterlein, K., & Cannon, T.D. (2008). Remember and know judgments during recognition in chronic schizophrenia. Schizophrenia Research, 100, 181-190.
125. van Erp, T.G.M., Therman, S., Pirkola, T., Glahn, D.C., Bachman, P., Huttunen, M.O., Lonnqvist, J., Tuulio-Henriksson, A., Hietanen, M., Kaprio, J., Koskenvuo, M, & Cannon, T.D. (2008). Verbal encoding and recollection in schizophrenic twins. Psychiatry Research, 159, 271-280.
126. Friedman, L., Stern, H., Brown, G.G., Mathalon, D., Turner, J., Glover, G.H., Gollub, R.L., Lauriello, J., Lim, K.O., Wible, C.G., Cannon, T.D., Greve, D.N., Bockholt, J., Belger, A., Mueller, B., He, J., Wells, W., Smyth, P., Pieper, S., Kim, S., Kubicki, M., Vangel, M., & Potkin, S.G. (2008). Test-retest and between-site reliability in a multisite fMRI study. Human Brain Mapping, 29, 958-972.
127. Bearden, C.E., Glahn, D.C., Lee, A.D., Chiang, M.-C., van Erp, T.G.M., Cannon, T.D., Reiss, A.L., Toga, A.W., & Thompson, P.M. (2008). Neural phenotypes of common and rare genetic variants. Biological Psychology, 79, 43-57.
128. Karlsgodt, K.H., Sun, D., Jiminez, A.M., Lutkenhoff, E.S., Willhite, R., van Erp, T.G.M., & Cannon, T.D. (2008). Developmental disruptions in neural connectivity in the pathophysiology of schizophrenia. Development and Psychopathology, 20, 1297-1327.
129. Mittal, V.A., Ellman, L.M., & Cannon, T.D. (2008). Gene-environment interaction and co-variation in schizophrenia: The role of obstetric complications. Schizophrenia Bulletin, 34, 1083-1094.
130. Cannon, T.D., Yolken, R.H., Buka, S., & Torrey, E.F. (2008). Decreased neurotrophic response to birth hypoxia in the etiology of schizophrenia. Biological Psychiatry, 64, 797-802.
131. Bachman, P., Kim, J., Yee, C.M, Therman, S., Lonnqvist, J., Kaprio, J., Huttunen, M.O., Naatanen, R., & Cannon, T.D. (2008). Abnormally high EEG synchrony during working memory maintenance in twins discordant for schizophrenia. Schizophrenia Research, 103, 293-297.
132. Willhite, R., Niendam, T., Bearden, C.E., Zinberg, J., O'Brien, M.P., & Cannon, T.D. (2008). Gender differences in symptoms, functioning and social support in patients at ultra-high-risk for developing a psychotic disorder. Schizophrenia Research, 104, 237-245.

133. Cannon, T.D. (2008). Neurodevelopment and the transition from prodrome to schizophrenia: Research imperatives. Biological Psychiatry, 64, 737-738.
134. O'Brien, M.P., Zinberg, J.L., Bearden, C.E., Lopez, S.R., Kopelowicz, A., Daley, M., & Cannon, T.D. (2008). Parent attitudes and parent-adolescent interaction in families of youth at risk for psychosis and with recent onset psychotic symptoms. Early Intervention in Psychiatry, 2, 268-276.
135. Bearden, C.E., van Erp, T.G., Dutton, R.A., Lee, A.D., Simon, T.J., Cannon, T.D., Emanuel, B.S., McDonald-McGinn, D., Zackai, E.H., & Thompson, P.M. (2009). Alterations in midline cortical thickness and gyrification patterns mapped in children with 22q11.2 deletions. Cerebral Cortex, 19, 115-126.
136. Lichtenstein, P., Bjork, C., Yip, B., Pawitan, Y., Cannon, T.D., Sullivan, P.F., & Hultman, C.M. (2009). Common genetic influences for schizophrenia and bipolar disorder: A population-based study of 2 million nuclear families. Lancet, 373, 234-239.
137. O'Brien, M.P., Zinberg, J.L., Ho, L., Rudd, A., Bearden, C.E., Kopelowicz, A., Daley, M., & Cannon, T.D. (2009). Family interactions and 6-month symptomatic and functional outcomes in youth at ultra-high risk for psychosis and with recent onset psychotic symptoms: A longitudinal study. Schizophrenia Research, 107, 198-205.
138. 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, 170-175.
139. Karlsgodt, K.H., Horwitz, J., van Erp, T.G.M., Nuechterlein, K.H., & Cannon, T.D. (2009). Re-Evaluating dorsolateral prefrontal cortex activation during working memory in schizophrenia. Schizophrenia Research, 108, 143-150.
140. Sun, D., Phillips, L., Velakoulis, D., Yung, A., McGorry, P.D., Wood, S.J., van Erp, T.G.M., Thompson, P.M., Toga, A.W., Cannon, T.D., & Pantelis, C. (2009). Brain structural change during the development of psychosis: A longitudinal MRI study. Schizophrenia Research, 108, 85-92.
141. Cannon, T.D. (2009). What is the role of theories in the study of schizophrenia? Schizophrenia Bulletin, 35, 563-567.
142. Pietilainen, O.P.H., Paunio, T., Loukola, A., Tuulio-Henriksson, A., Kieseppa, T., Thompson, P.M., Toga, A.W., van Erp, T., Silventoinen, K., Soronen, P., Hennah, W., Turunen, J.A., Peltonen, J.O., Palo, O.M., Silander, K., Lonnqvist, J., Kaprio, J., Cannon, T.D., & Peltonen, L. (2009). Association of AKT1 with verbal learning, verbal memory, and regional cortical grey matter density in twins. Neuropsychiatric Genetics, 150B, 683-692.
143. Ellman, L.M., Yolken, R.H., Buka, S.L., Torrey, E.F., & Cannon, T.D. (2009). Cognitive functioning prior to the onset of psychosis: the role of fetal exposure to serologically determined influenza infection. Biological Psychiatry, 65, 1040-1047.

144. Therman S, Suvisaari JM, Kalska H, Huttunen MO, Manninen M, Cannon TD. (2009). Lack of association between neuropsychological performance and level of psychosis-proneness in an adolescent psychiatric sample. Journal of Nervous and Mental Disease, 197, 669-674.
145. Sanz, J.H., Karlsgodt, K.H., Bearden, C.E., van Erp, T.G.M., Nandy, R.R., Ventura, J., Nuechterlein, K., & Cannon, T.D. (2009). Symptomatic and functional correlates of regional brain physiology during working memory processing in patients with recent onset schizophrenia. Psychiatry Research: Neuroimaging, 173, 177-182.
146. Torrey, E.F., Buka, S., Cannon, T.D., Goldstein, J.M., Seidman, L.J., Liu, T., Hadley, T., Rosso, I, Bearden, C.E., & Yolken, R.H. (2009). Paternal age a risk factor for schizophrenia: How important is it? Schizophrenia Research, 114, 1-5.
147. Karlsgodt, K.H, Niendam, T., 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, 562-569.
148. Woods, S.W., Addington, J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B., Heinssen, R., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., & McGlashan, T.H. (2009). Validity of the prodromal risk syndrome for first psychosis: Findings from North American Prodrome Longitudinal Study. Schizophrenia Bulletin, 35, 894-908.
149. Sun, D., Stuart, G.W., Jenkinson, M., Wood, S.J., McGorry, P.D., Velakoulis, D., van Erp, T.G.M., Thompson, P.M., Toga, A.W., Cannon, T.D., & Pantelis, C. (2009). Brain surface contraction mapped in first-episode schizophrenia: A longitudinal MRI study. Molecular Psychiatry, 14, 976-986.
150. Bilder, R., Sabb, F.W., Cannon, T.D., London, E.D., Jentsch, J.D., Parker, D.S., Poldrack, R.A., Evans, C., & Freimer, N.B. (2009). Phenomics: The systematic study of phenotypes on a genome-wide scale. Neuroscience, 164, 30-42.
151. Bachman, P., Kim, J., Yee, C.M., Therman, S., Manninen, M., Lonnqvist, J., Kaprio, J., Huttunen, M.O., Naatanen, R., & Cannon, T.D. (2009). Efficiency of working memory encoding in twins discordant for schizophrenia. Psychiatry Research: Neuroimaging, 174, 97-104.
152. Sabb FW, Burggren AC, Higier RG, Fox J, He J, Parker DS, Poldrack RA, Chu W, Cannon TD, Freimer NB & Bilder RM. (2009). Challenges in phenotype definition in the whole-genome era: Multivariate models of memory and intelligence. Neuroscience, 164, 88-107.
153. Sun, D., van Erp, T.G.M., Thompson, P.M., Bearden, C.E., Daley, M., Nuechterlein, K.H., Toga, A.W., & Cannon, T.D. (2009). Elucidating a MRI-based neuroanatomic biomarker for psychosis: A classification analysis using cortical pattern matching and machine learning methods. Biological Psychiatry, 66, 1055-1060.

154. Jentsch, D., Andrews, G., Trantham-Davidson, H., Jairl, C., Seu, E., Tinsley, M., Cannon, T.D., & Lavin, A. (2009). Dysbindin modulates prefrontal cortical glutamatergic circuits and working memory function in mice. *Neuropsychopharmacology*, 34, 2601-2608.
155. Xiao, J., Buka, S.L., Cannon, T.D., Viscidi, R.P., Torrey, E.F., & Yolken, R.H. (2009). Serological pattern consistent with infection with type I *Toxoplasma gondii* in mothers and risk of psychosis among adult offspring. *Microbes and Infection*, 11, 1011-1018.
156. Walker, E.F., Cornblatt, B.A., Addington, J., Cadenhead, K.S., Cannon, T.D., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Woods, S.W., & Heinssen, R. (2009). The relation of antipsychotic and antidepressant medication with baseline symptoms and symptom progression: A naturalistic study of the North American Prodrome Longitudinal Sample. *Schizophrenia Research*, 115, 50-57.
157. Cho, S., Moody, T.D., Fernandino, L., Mumford, J.A., Poldrack, R.A., Cannon, T.D., Knowlton, B.J., Holyaok, K.J. (2010). Common and dissociable prefrontal loci associated with components of analogical reasoning. *Cerebral Cortex*, 20, 524-533.
158. Mittal, V.A., Willhite, R., Niendam, T., Daley, M., Bearden, C.E., & Cannon, T.D. (2009). Obstetrical complications and risk for conversion to psychosis among individuals at high clinical risk. *Early Intervention in Psychiatry*, 3, 226-230.
159. Lutkenhoff, E., van Erp, T.G.M., Thomas, A., Therman, S., Manninen, M., Huttunen, M.O., Kaprio, J., Lonnqvist, J., & Cannon, T.D. (2010). Proton MRS in twins discordant for schizophrenia. *Molecular Psychiatry*, 15, 308-318.
160. Yee, C.M., Mathis, K.I., Sun, J.C., Sholty, G.L., Lang, P.J., Bachman, P., Williams, T.J., Bearden, C., Cannon, T.D., Green, M.F., Subotnik, K.L., Ventura, J. & Nuechterlein, K.H. (2010). Integrity of emotional and motivational states during the prodromal, first-episode and chronic phases of schizophrenia. *Journal of Abnormal Psychology*, 119, 71-82.
161. Sabb, F.W., van Erp, T.G.M., Hardt, M.E., Dupretto, M., Caplan, R., Cannon, T.D., & Bearden, C.E. (2010) Functional neuroimaging evidence for language network dysfunction in individuals at ultra-high-risk for psychosis. *Schizophrenia Research*, 116, 173-183.
162. Seidman, L.J., Cornblatt, B.A., Addington, J., Cadenhead, K.S., Cannon, T.D., McGlashan, T.H., Perkins, D.O., Tsuang, M., Walker, E.F., Woods, S.W., & Heinssen, R. (2010). Neuropsychology of the prodrome to psychosis in the NAPLS consortium: Relationship to family history and conversion to psychosis. *Archives of General Psychiatry*, 67, 578-588.
163. Cannon, T.D. (2010). Candidate gene studies in the GWAS era: The MET proto-oncogene, neurocognition and schizophrenia. *American Journal of Psychiatry*, 167, 369-372.
164. Schlosser, D.A., Zinberg, J.L., Loewy, R.L., O'Brien, M.P., Bearden, C.E., Vinogradov, S., & Cannon, T.D. (2010). Predicting the longitudinal effects of the family environment on the risk for psychosis. *Schizophrenia Research*, 118, 69-75.

165. Shilyansky, C., Karlsgodt, K.H., Cummings, D., Sidiropoulos, K., Hardt, M., James, A.S., Ehnigher, D., Bearden, C.E., Poirazi, P., Jentsch, J.D., Cannon, T.D., Levine, M.S., & Silva, A.J. (2010). Neurofibromin regulates corticostriatal inhibitory networks during working memory performance. Proceedings of the National Academy of Sciences of the USA, 107, 13141-13146.
166. Mittal, V.A., Walker, E.F., Bearden, C.E., Walder, D., Trottman, H., Daley, M., Simone, A., & Cannon, T.D. (2010). Markers of basal ganglia dysfunction and conversion to psychosis: Neurocognitive deficits and dyskinesias in the prodromal period. Biological Psychiatry, 68, 93-99.
167. Cadenhead, K., Addington, J., Cannon, T.D., Cornblatt, B., McGlashan, T., Perkins, D., Seidman, L., Tsuang, M., Walker, E., Woods, S., & Heinssen, R. (2010). Treatment history in the psychosis prodrome: Characteristics of the North American Prodrome Longitudinal Study. Early Intervention in Psychiatry, 3, 220-226.
168. Karlsgodt, K.H., Sun, D., & Cannon, T.D. (2010). Structural and functional brain abnormalities in schizophrenia. Current Directions in Psychological Science, 19, 226-231.
169. Mittal V, Karlsgodt K, Zinberg J, Cannon TD, and Bearden CE (2010). Identification and treatment of a pineal gland tumor in an adolescent with prodromal psychotic symptoms. American Journal of Psychiatry, 167, 1033-1037.
170. Lindgren, M., Manninen, M., Laajasalo, T., Mustonen, U., Kalska, H., Suvisaari, J., Miolonen, K., Cannon, T.D., Huttunen, M., & Therman, S. (2010). The relationship between psychotic-like symptoms and neurocognitive performance in a general adolescent psychiatric sample. Schizophrenia Research, 123, 77-85.
171. Mittal, V.A., Daley, M., Shiode, M., Bearden, C.E., O'Neill, J., & Cannon, T.D. (2010). Striatal volumes and dyskinesic movements in youth at high-risk for psychosis. Schizophrenia Research, 123, 68-70.
172. Schnack, H.G., van Haren, N.E.M., Brouwer, R.M., van Baal, C.G.M., Picchioni, M., Weisbrod, M., Sauer, H., Cannon, T.D., Huttunen, M., Lepage, C., Collins, D.L., Evans, A., Murray, R., Kahn, R.S., Hulshoff Pol, H.E. (2010). Mapping reliability in multicenter MRI: Voxel-based morphometry and cortical thickness. Human Brain Mapping, 31, 1967-1982.
173. Karlsgodt, K.H., Robleto, K., Trantham-Davidson, H., Jairl, C., Cannon, T.D., Lavin, A., & Jentsch, J.D. (2011). Reduced dysbindin expression mediates NMDA receptor hypofunction and impaired working memory performance. Biological Psychiatry, 69, 28-34.
174. Cannon, T.D. (2011). Objective tests for schizophrenia: Window to the future. World Psychiatry, 10, 36.
175. Loewy, R.L., Pearson, R., Vinogradov, S., Bearden, C.E., & Cannon, T.D. (2011). Psychosis risk screening with the Prodromal Questionnaire - Brief Version (PQ-B). Schizophrenia Research, 129, 42-46.

176. Bearden, C.E., Wu, K.N., Kaplan, R. & Cannon, T.D. (2011). Thought disorder and communication deviance as predictors of outcome in youth at clinical high risk for psychosis. Journal of the American Academy of Child and Adolescent Psychiatry, 50, 669-680.
177. Mittal, V.A., Jalbrzikowski, M., Daley, M., Roman, C., Bearden, C.E., & Cannon, T.D. (2011). Abnormal movements and the longitudinal course of social and role functioning in adolescents at high-risk for psychosis. Schizophrenia Research, 130, 164-169.
178. Bearden, C.E., van Erp, T.G.M., Dutton, R.A., Boyle, C., Madsen, S., Luders, E., Kieseppa, T., Tuulio-Henriksson, A., Haukka, J., Huttunen, M., Partonen, T., Poutanen, V.P., Kaprio, J., Lonnqvist, J., Thompson, P.M., & Cannon, T.D. (2011). Mapping corpus callosum morphology in twin pairs discordant for bipolar disorder. Cerebral Cortex, 21, 2415-2424.
179. Addington, J., Cornblatt, B., Cadenhead, K.S., Cannon, T.D., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Heinsen, R. (2011). At clinical high-risk for psychosis: Outcome of the non-converters. American Journal of Psychiatry, 168, 800-805.
180. Gee, D.G., Karlsgodt, K.H., Bearden, C.E., Lieberman, M.D., Belger, A., Perkins, D.O., Olvet, D.M., Cornblatt, B.A., Constable, T., Woods, S.W., Addington, J., Cadenhead, K.S., McGlashan, T.H., Seidman, L.J., Tsuang, M.T., Walker, E.F., & Cannon, T.D. (2012). Altered age-related trajectories of amygdala-prefrontal circuitry in adolescents at clinical high risk for psychosis: A preliminary study. Schizophrenia Research, 134, 1-9.
181. Cannon, T.D. (2012). Community reforms to reduce severity, chronicity, and disability of psychosis: Do they work? American Journal of Psychiatry, 169, 345-347.
182. Piskulic, D., Addington, J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinsen, R., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W. & McGlashan, T.H. (2012). Negative symptoms in individuals at clinical high risk of psychosis. Psychiatry Research, 196, 220-224.
183. van Haren, N.E.M., Rijksijk, F., Schnack, H.G., Picchioni, M., Touloupoulou, T., Weisbrod, M., Sauer, H., van Erp, T.G.M., Cannon, T.D., Huttunen, M.O., Boomsma, D.I., Hulshoff Pol, H.E., Murray, R.M., & Kahn, R.S. (2012). The genetic and environmental determinants of the association between brain abnormalities and schizophrenia: The schizophrenia twins and relatives consortium. Biological Psychiatry, 71, 915-921.
184. Gee, D.G., & Cannon, T.D. (2012). Prediction of conversion to psychosis: Review and future directions. Revista Brasileira de Psiquiatria, 33 (Suppl 2), s129-s142.
185. Oresic, M., Seppanen-Laakso, T., Sun, D., Tang, J., Therman, S., Viehman, R., Mustonen, U., van Erp, T.G.M., Hyotylainen, T., Thompson, P., Toga, A.W., Huttunen, M.O., Suvisaari, J., Kaprio, J., Lonnqvist, J., & Cannon, T.D. (2012). Phospholipids and insulin resistance in psychosis: A lipidomics study in twin pairs discordant for schizophrenia. Genome Medicine, 4, 1.
186. Bachman, P., Niendam, T.A., Jalbrzikowski, M., Park, C.Y., Daley, M.L., Cannon, T.D., & Bearden, C.E. (2012). Processing speed and neurodevelopment in adolescent-onset

- psychosis: Cognitive slowing predicts social function. Journal of Abnormal Child Psychology, 40, 645-654.
187. van Erp, T.G.M., Thompson, P.M., Kieseppä, T., Bearden, C.E., Marino, A., Hoftman, G., Haukka, J., Patonen, T., Huttunen, M., Kaprio, J., Lönqvist, J., Poutanen, V-P., Toga, A.W., & Cannon, T.D. (2012). Hippocampal morphology in lithium-treated and non-lithium-treated bipolar I disorder patients, non-bipolar I co-twins, and control twins. Human Brain Mapping, 33, 501-510.
188. Loewy, R.L., Therman, S., Manninen, M., Huttunen, M.O., & Cannon, T.D. (2012). Prodromal psychosis screening in adolescent psychiatry clinics. Early Intervention in Psychiatry, 6, 69-75.
189. Lutkenhoff, E., Karlsgodt, K.H., Gutman, B., Stein, J.L., Thompson, P.M., Cannon, T.D., & Jentsch, J.D. (2012). Structural and functional neuroimaging phenotypes in dysbindin mutant mice. Neuroimage, 62, 120-129.
190. Piskulic D, Addington J, Cadenhead KS, Cannon TD, Cornblatt BA, Heinssen R, Perkins DO, Seidman LJ, Tsuang MT, Walker EF, Woods SW, McGlashan TH. (2012). Negative symptoms in individuals at clinical high risk of psychosis. Psychiatry Research, 196, 220-224.
191. Schlosser, D.A., Miklowitz, D.J., O'Brien, M.P., DeSilva, S., Zinberg, J.L., & Cannon, T.D. (2012). A randomized trial of family focused treatment for adolescents and young adults at risk for psychosis: Study rationale, design, and methods. Early Intervention in Psychiatry, 6, 283-291.
192. Johansson, V., Nybom, R., Wetterberg, L., Hultman, C.M., Cannon, T.D., Johansson, A.G.M., Ekman, C.J., & Landén, M. (2012). Microscopic particles in two fractions of fresh cerebrospinal fluid in twins with schizophrenia or bipolar disorder and in healthy controls. PLOS ONE, 7, 1-11.
193. Green, M.F., Bearden, C.E., Cannon, T.D., Fiske, A.P., Helleman, G.S., Horan, W.P., Kee, K., Kern, R.S., Lee, J., Sergi, M.J., Subotnik, K.L., Sugar, C.A., Ventura, J., Yee, C.M., & Nuechterlein, K.H. (2012). Social cognition in schizophrenia, part 1: Performance across phase of illness. Schizophrenia Bulletin, 38, 854-864.
194. Karlsgodt, K.H., Rosser, T., Lutkenhoff, E.S., Cannon, T.D., Silva, A., & Bearden, C.E. (2012). Alterations in white matter microstructure in Neurofibromatosis-1. PLOS ONE, 7(10): e47854.
195. Jalbrzikowski, M., Carter, C., Senturk, D., Chow, C., Hopkins, J.M., Green, M.F., Galvan, A., Cannon, T.D., & Bearden, C.E. (2012). Social cognition in 22q11.2 microdeletion syndrome: Relevance to psychosis? Schizophrenia Research, 142, 99-107.
196. Addington, J., Cadenhead, K., Cornblatt, B., Mathalon, D., McGlashan, T., Perkins, D., Seidman, L., Tsuang, M., Walker, E., Woods, S., Addington, J., Cannon, T.D. (2012). North American Prodrome Longitudinal Study (NAPLS 2): Overview and recruitment. Schizophrenia Research, 142, 77-82.

197. Cornblatt, B., Lenz, T., Carrion, R.E., Seidman, L., Walker, E.F., Cannon, T.D., Cadenhead, K.S., McGlashan, T.H., Perkins, D.O., Tsuang, M., Woods, S.W., Heinssen, R., & Addington, J. (2012). Risk factors for psychosis: Impaired social and role functioning. Schizophrenia Bulletin, 38, 1247-1257.
198. Schlosser, D.A., Jacobson, S., Chen, Q., Sugar, C.A., Niendam, T.A., Bearden, C.E., & Cannon, T.D. (2012). Recovery from an at risk mental state: Clinical and functional outcomes of putatively prodromal youth who do not develop psychosis. Schizophrenia Bulletin, 38, 1225-1233.
199. Yung, A.R., Woods, S.W., Ruhrmann, S., Addington, J., Schultze-Lutter, F., Cornblatt, B.A., Amminger, G.P., Bechdolf, A., Birchwood, M., Borgwardt, S., Cannon, T.D., de Haan, L., French, P., Fusar-Poli, P., Keshavan, M., Klosterkötter, J., Kwon, J.S., McGorry, P., McGuire, P., Mizuno, M., Morrison, A.P., Riecher-Rössler, A., Salokangas, R.K.R., Seidman, L.J., Suzuki, M., Valmaggia, L., van der Gaag, M., Wood, S.J., & McGlashan, T.H. (2012). Whither the attenuated psychosis syndrome? Schizophrenia Bulletin, 38, 1130-1134.
200. Walder, D.J., Holtzman, C.W., Addington, J., Cadenhead, K., Tsuang, M., Cornblatt, B., Cannon, T.D., McGlashan, T.H., Woods, S.W., Perkins, D.O., Seidman, L.J., Heinssen, R., & Walker, E.F. (2013). Sexual dimorphisms and prediction of conversion to psychosis in the NAPLS psychosis prodrome. Schizophrenia Research, 144, 43-50.
201. Bloom RJ, Kähler AK, Collins AL, Chen G, Cannon TD, Hultman C, & Sullivan PF. (2013). Comprehensive analysis of copy number variation in monozygotic twins discordant for bipolar disorder or schizophrenia. Schizophrenia Research, 146, 289-290.
202. Saggu, S., Cannon, T.D., Jentsch, J.D., & Lavin A. (2013). Potential molecular mechanisms for decreased synaptic glutamate release in dysbindin-1 mutant mice. Schizophrenia Research, 146, 254-263.
203. Cadenhead, K.S., Addington, J., Cannon, T.D., Cornblatt, B.A., de la Fuente-Sandoval, C., Mathalon, D.H., Perkins, D.O., Seidman, L.J., Tsuang, M., Walker, E.F., Woods, S.W., Bachman, P., Belger, A., Carrion, R.E., Donkers, F.C.L., Duncan, E., Johannesen, J., Leon-Ortiz, P., Light, G., Mondragon, A., Niznikiewicz, M., Nunag, J., Roach, B.J., Solis-Vivanco, R. (2013). Between site reliability of startle prepulse inhibition across two early psychosis consortia. Neuroreport, 24, 626-630
204. Woods, S.W., Addington, J., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Mathalon, D.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., McGlashan, T.H. (2013). Psychotropic medication use in youth at high risk for psychosis: Comparison of baseline data from two research cohorts 1998-2005 and 2008-2011. Schizophrenia Research, 148, 99-104.
205. Addington, J., Stowkowy, J., Cadenhead, K.S., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Cannon, T.D. (2013). Early traumatic experiences in those at clinical high risk for psychosis. Early Intervention in Psychiatry, 7, 300-305.

206. Falkai, P., Malchow, B., Wobrock, T., Gruber, O., Schmitt, A., Honer, W.G., Pajonk, F.G., Sun, D., & Cannon, T.D. (2013). The effects of aerobic exercise on cortical architecture in patients with chronic schizophrenia: A randomized controlled MRI study. European Archives of Psychiatry and Clinical Neuroscience, 263, 469-473.
207. Fineberg, A.M., Ellman, L.M., Buka, S., Torrey, E.F., Yolken, R., & Cannon, T.D. (2013). Decreased birth weight in psychosis: Influence of prenatal exposure to serologically determine influenza and hypoxia. Schizophrenia Bulletin, 39, 1037-1044.
208. Forsyth, J.K., Ellman, L.M., Tanskanen, A., Mustonen, U., Huttunen, M.O., Suvisaari, J., & Cannon, T.D. (2013). Genetic risk for schizophrenia, obstetric complications, and adolescence school outcome: Evidence for gene-environment interaction. Schizophrenia Bulletin, 39, 1067-1076.
209. Walker EF, Trotman HD, Pearce BD, Addington J, Cadenhead KS, Cornblatt BA, Heinssen R, Matalon DH, Perkins DO, Seidman LJ, Tsuang MT, Cannon TD, McGlashan TH, Woods SW (2013). Cortisol Levels and Risk for Psychosis: Initial Findings from the North American Prodrome Longitudinal Study. Biological Psychiatry, 74, 410-417.
210. Congdon, E., Bato, A.A., Schonberg, T., Mumford, J.A., Karlsgodt, K.H., Sabb, F.W., London, E.W., Cannon, T.D., Bilder, R.M., & Poldrack, R.A. (2013). Differences in neural activation as a function of risk-taking task parameters. Frontiers in Neuroscience, 7, 1-14.
211. Fusar-Poli, P., Borgwardt, S., Bechdolf, A., Addington, J., Riecher-Rossler, A., Schulze-Lutter, F., Keshevan, M., Wood, S., Ruhrmann, S., Seidman, L.J., Valmaggia, L., Cannon, T., Velthorst, E., De Haan, L., Cornblatt, B., Bonoldi, I., Birchwood, M., McGlashan, T., Carpenter, W., McGorry, P., Klosterkötter, J., McGuire, P., & Yung, A. (2013). The psychosis high-risk state. JAMA Psychiatry, 70, 107-120.
212. Jalbrzikowski, M., Krasileva, K.E., Marvin, S., Zinberg, J., Andaya, A., Bachman, P., Cannon, T.D., & Bearden, C.E. (2013). Reciprocal social behavior in youths with psychotic illness and those at clinical high risk. Development and Psychopathology, 25, 1187-1197.
213. Tarbox, S. I., Addington, J., Cadenhead, K., Cannon, T. D., Cornblatt, B., Perkins, D., Seidman, L.J., Tsuang, M. T., Walker, E., Heinssen, R., McGlashan, T., Woods, S. W. (2013). Premorbid functional development and conversion to psychosis in clinical high-risk youth. Development and Psychopathology, 25, 1171-1186.
214. Moran, Z.D., Bachman, P., Pham, P., Cho, S.H., Cannon, T.D., Shams, L. (2013). Multisensory encoding improves auditory recognition. Multisensory Research, 26, 581-592.
215. Saleem, M.M., Stowkowy, J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Addington, J. (2014). Perceived discrimination in those at clinical high risk for psychosis. Early Intervention in Psychiatry, 8, 77-81.
216. O'Brien, M.P., Miklowitz, D.J., Candan, K.A., Marshall, C., Domingues, I., Walsh, B.C., Zinberg, J.L., De Silva, S.D., Woodberry, K.A., & Cannon, T.D. (2014). A Randomized Trial of Family Focused Therapy with Youth at Clinical High Risk for Psychosis: Effects on Interactional Behavior. Journal of Consulting and Clinical Psychology, 82, 90-101.

217. Karlsgodt, K.H., van Erp, T.G.M., Bearden, C.E., & Cannon, T.D. (2014). Altered relationships between age and functional brain activation in adolescents at clinical high risk for psychosis. Psychiatry Research: Neuroimaging, 221, 21-29.
218. Glen, W.B., Trantham-Davidson, H., Carlson, G.C., Cannon, T.D., Talbot, K., Jentsch, J.D., & Lavin, A. (2014). Dysbindin-1 loss compromises NMDAR-dependent synaptic plasticity and contextual fear conditioning. Hippocampus, 24, 204-213.
219. Tarbox, S. I., Addington, J., Cadenhead, K., Cannon, T. D., Cornblatt, B., Perkins, D., Seidman, L.J., Tsuang, M. T., Walker, E., Heinssen, R., McGlashan, T., Woods, S. W. (2014). Functional development in clinical high risk youth: Prediction of schizophrenia versus other psychotic disorders. Psychiatry Research, 215, 52-60.
220. Helfinstein, S.M., Schonberg, T., Congdon, E., Karlsgodt, K.H., Mumford, J.A., Sabb, F.W., Cannon, T.D., London, E.D., Bilder, R.M., & Poldrack, R.A. (2014). Predicting risky choices from brain activity patterns. Proceedings of the National Academy of Sciences, 111, 2470-2475.
221. Jalbrzikowski, M, Sugar, C.A., Zinberg, J., Bachman, P., Cannon, T.D., & Bearden, C.E. (2014). Coping styles of individuals at clinical high risk for developing psychosis. Early Intervention in Psychiatry, 8, 68-76.
222. Golembo-Smith, S., Bachman, P., Senturk, D., Cannon, T.D., & Bearden, C.E. (2014). Youth-caregiver agreement on clinical high-risk symptoms of psychosis. Journal of Abnormal Psychology, 42, 649-658.
223. Cannon, T.D., Sun, D., McEwen, S.J., Papademetris, X., He, G., van Erp, T.G.M., Jacobson, A., Bearden, C.E., Walker, E., Hu, X., Zhou, L., Seidman, L.J., Thermenos, H.W., Cornblatt, B., Olvet, D.M., Perkins, D.O., Belger, A., Cadenhead, K., Tsuang, M., Mirzakhani, H., Addington, J., Frayne, R., Woods, S.W., McGlashan, T.H., Constable, R.T., Qiu, M., Mathalon, D.H., Thompson, P., Toga, A.W. (2014). Reliability of neuroanatomical measures in a multi-site longitudinal study of youth at risk for psychosis. Human Brain Mapping, 35, 2424-2434.
224. Thakkar, K.N., Congdon, E., Poldrack, R.A., Sabb, F.W., London, E.D., Cannon, T.D., Bilder, R.M. (2014). Women are more sensitive than men to prior trial events on the Stop-signal task. British Journal of Psychology, 105, 254-272.
225. Congdon, E., Altshuler, L.L., Mumford, J.A., Karlsgodt, K.H., Sabb, F.W., Ventura, J., McGough, J.J., London, E.D., Cannon, T.D., Bilder, R.M., Poldrack, R.A. (2014). Neural activation during response inhibition in adult attention-deficit/hyperactivity disorder: Preliminary findings on the effects of medication and symptom severity. Psychiatry Research: Neuroimaging, 222, 17-28.
226. Cannon, T.D. (2014). Neurocognitive growth charts and psychosis: Is the relationship predictive? JAMA Psychiatry, 71, 361-362.
227. Severance, E.G., Gressitt, K.L., Buka, S.L., Cannon, T.D., & Yolken, R.H. (2014). Maternal complement C1q and increased odds for psychosis in adult offspring. Schizophrenia Research, 159, 14-19.

228. Therman, S., Lindgren, M., Manninen, M., Loewy, R.L., Huttunen, M.O., Cannon, T.D., & Suvisaari, J. (2014). Predicting psychosis and hospital care among adolescent psychiatric patients with the Prodromal Questionnaire. Schizophrenia Research, 158, 7-10.
229. Miklowitz, D.J., O'Brien, M.P., Schlosser, D.A., Addington, J., Candan, K.A., Marshall, C., Domingues, I., Walsh, B.C., Zinberg, J.L., De Silva, S.D., Friedman-Yakoobian, M.S., & Cannon, T.D. (2014). Family-focused treatment for adolescents and young adults at risk for psychosis: Results of a randomized trial. Journal of the American Academy of Child and Adolescent Psychiatry, 53, 848-858.
230. Forsyth, J.K., McEwen, S.C., Gee, D.G., Bearden, C.E., Addington, J., Goodyear, B., Cadenhead, K.S., Mirzakhani, H., Cornblatt, B.A., Olvet, D.M., Mathalon, D.H., McGlashan, T.H., Perkins, D.O., Belger, A., Seidman, L.J., Thermenos, H.W., Tsuang, M.T., van Erp, T.G., Walker, E.F., Hamann, S., Woods, S.W., Qiu, M., & Cannon, T.D. (2014). Reliability of functional magnetic resonance imaging activation during working memory in a multi-site study: Analysis from the North American Prodrome Longitudinal Study. Neuroimage, 97, 41-52.
231. Marshall, C., Denny, E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Addington, J. (2014). The content of attenuated psychotic symptoms in those at clinical high risk for psychosis. Psychiatry Research, 219, 506-512.
232. Lindgren, M., Manninen, M., Kalska, H., Mustonen, U., Laajasalo, T., Moilanen, K., Huttunen, M.O., Cannon, T. D., Suvisaari, J., & Therman, S. (2014). Predicting psychosis in a general adolescent psychiatric sample. Schizophrenia Research, 158, 1-6.
233. Woods, S.W., Walsh, B.C., Addington, J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinssen, R., Perkins, D.O., Seidman, L.J., Tarbox, S.J., Tsuang, M.T., Walker, E.F., & McGlashan, T.H. (2014). Current status specifiers for patients at clinical high risk for psychosis. Schizophrenia Research, 158, 69-75.
234. Meyer, E.C., Carrion, R.E., Cornblatt, B.A., Addington, J., Cadenhead, K.S., Cannon, T.D., McGlashan, T.H., Perkins, D.O., Tsuang, M.T., Walker, E.F., Woods, S.W., Heinssen, R., & Seidman, L.J. (2014). The relationship of neurocognition and negative symptoms to social and role functioning over time in individuals at clinical high risk in the first phase of the North American Prodrome Longitudinal Study. Schizophrenia Bulletin, 40, 1452-1461.
235. Trotman, H.D., Holtzman, C.W., Walker, E.F., Addington, J.M., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinssen, R.K., Mathalon, D.H., Tsuang, M.T., Perkins, D.O., Seidman, L.J., Woods, S.W., & McGlashan, T.H. (2014). Stress exposure and sensitivity in the clinical high-risk syndrome: Initial findings from the North American Prodrome Longitudinal Study (NAPLS). Schizophrenia Research, 160, 104-109.
236. White, C.N., Congdon, E., Mumford, J., Karlsgodt, K.H., Sabb, F.W., Freimer, N.B., London, E.D., Cannon, T.D., Bilder, R.M., Poldrack, R.A. (2014). Decomposing decision components in the Stop-signal task: A model-based approach to individual differences in inhibitory control. Journal of Cognitive Neuroscience, 26, 1601-1614.

237. Higier, R.G., Jimenez, A.M., Hultman, C.M., Borg, J., Roman, C., Kizling, I., Larsson, H., & Cannon, T.D. (2014). Enhanced neurocognitive functioning and positive temperament in twins discordant for bipolar disorder. American Journal of Psychiatry, 171, 1191-1198.
238. Cannon, T.D., Chung, Y., He, G., Sun, D., Jacobson, A., van Erp, T.G.M., McEwen, S., Addington, J., Bearden, C.E., Cadenhead, K.S., Cornblatt, B.A., Mathalon, D.H., McGlashan, T.H., Perkins, D., Jeffries, C., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, & Heinssen, R. (2015). Progressive reduction in cortical thickness as psychosis develops: A multisite longitudinal neuroimaging study of youth at elevated clinical risk. Biological Psychiatry, 77, 147-157.
239. Chung, Y., Jacobson, A., He, G., van Erp, T.G.M., McEwen, S., Addington, J., Bearden, C.E., Cadenhead, K.S., Cornblatt, B.A., Mathalon, D.H., McGlashan, T.H., Perkins, D., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, Heinssen, R., & Cannon, T.D. (2015). Prodromal symptom severity predicts accelerated gray matter reduction and third ventricle expansion among clinically high risk youth developing psychotic disorders. Molecular Neuropsychiatry, 1, 13-22.
240. Jann, K., Gee, D.G., Kilroy, E., Schwab, S., Smith, R.X., Cannon, T.D., & Wang, D.J. (2015). Functional connectivity in BOLD and CBF data: Similarity and reliability of resting brain networks. Neuroimage, 106, 111-122.
241. Cannon, T.D. (2015). Network dysconnectivity: A psychosis-triggering mechanism? Biological Psychiatry, 77, 927-928.
242. Haut, K., van Erp, T.G.M., Knowlton, B.J., Bearden, C.E., Subotnik, K., Ventura, J., Nuechterlein, K.H., & Cannon, T.D. (2015). Contributions of feature binding during encoding and functional connectivity of the medial temporal lobe structures to episodic memory deficits across the prodromal and first-episode phases of schizophrenia. Clinical Psychological Science, 3, 159-174.
243. Chung, Y., & Cannon, T.D. (2015). Brain imaging during the transition from psychosis prodrome to schizophrenia. Journal of Nervous and Mental Disease, 203, 336-341.
244. Perkins, D.O., Jeffries, C.D., Addington, J., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Mathalon, D.H., McGlashan, T.H., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Heinssen, R. (2015). Towards a psychosis risk blood diagnostic for persons experiencing high-risk symptoms: Preliminary results from the NAPLS project. Schizophrenia Bulletin, 41, 419-428.
245. Addington, J., Liu, L., Buchy, L., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Perkins, D., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., & McGlashan, T.H. (2015). North American Prodrome Longitudinal Study (NAPLS 2): The prodromal symptoms. Journal of Nervous and Mental Disease, 203, 328-335.
246. Gee, D.G., McEwen, S.C., Forsyth, J.K., Haut, K.M., Bearden, C.E., Addington, J., Goodyear, B., Cadenhead, K.S., Mirzakhani, H., Cornblatt, B.A., Olvet, D.M., Mathalon, D.H., McGlashan, T.H., Perkins, D.O., Belger, A., Seidman, L.J., Thermenos, H.W., Tsuang, M.T., van Erp, T.G., Walker, E.F., Hamann, S., Woods, S.W., Constable, T., & Cannon, T.D.

- (2015). Reliability of an fMRI paradigm for emotional processing in a multisite longitudinal study. *Human Brain Mapping*, 36, 2558-2579.
247. Waford, R.N., MacDonald, A., Goines, K., Novecek, D.M., Trotman, H.D., Walker, E.F., Addington, J., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinsen, R., Mathalon, D.H., McGlashan, T.H., Perkins, D., Seidman, L.J., Tsuang, M.T., Woods, S.W., & McGlashan, T.H. (2015). Demographic correlates of attenuated positive psychotic symptoms. *Schizophrenia Research*, 166, 31-36.
248. Buchy, L., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Heinsen, R., Bearden, C.E., Mathalon, D.H., & Addington, J. (2015). Substance use in individuals at clinical high risk of psychosis. *Psychological Medicine*, 45, 2275-2284.
249. Auther, A.M., Cadenhead, K.S., Carrion, R.E., Addington, J., Bearden, C.E., Cannon, T.D., McGlashan, T.H., Perkins, D.O., Seidman, L., Tsuang, M., Walker, E.F., Woods, S.W., Cornblatt, B.A. (2015). Alcohol confounds relationship between cannabis misuse and psychosis conversion in a high-risk sample. *Acta Psychiatrica Scandinavica*, 132, 60-68.
250. Anticevic A, Haut K, Murray JD, Repovs G, Yang GJ, Diehl C, McEwen SC, Bearden CE, Addington J, Goodyear B, Cadenhead KS, Mirzakhani H, Cornblatt BA, Olvet D, Mathalon DH, McGlashan TH, Perkins DO, Belger A, Seidman LJ, Tsuang MT, van Erp TG, Walker EF, Hamann S, Woods SW, Qiu M, Cannon TD. (2015). Association of Thalamic Dysconnectivity and Conversion to Psychosis in Youth and Young Adults at Elevated Clinical Risk. *JAMA Psychiatry*, 72, 882-891.
251. Touloupoulou, T., van Haren, N., Zhang, X., Sham, P.C., Cherny, S.S., Campbell, D.D., Picchioni, M., Murray, R., Boomsma, D.I., Pol, H.H., Bouwer, R., Schnack, H., Fananas, L., Sauer, H., Nenadic, I., Weisbrod, M., Cannon, T.D., & Kahn, R.S. (2015). Reciprocal causation models of cognitive vs volumetric cerebral intermediate phenotypes for schizophrenia in a pan-European twin cohort. *Molecular Psychiatry*, 20, 1386-1396.
252. Webb, J.R., Addington, J., Perkins, D.O., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinsen, R.K., Seidman, L.J., Tarbox, S.I., Tsuang, M.T., Walker, E.F., McGlashan, T.H., & Woods, S.W. (2015). Specificity of incident diagnostic outcomes in patients at clinical high risk for psychosis. *Schizophrenia Bulletin*, 41, 1066-1075.
253. Cannon, T.D. (2015). How schizophrenia develops: Cognitive and brain mechanisms underlying onset of psychosis. *Trends in Cognitive Sciences*, 19, 744-756.
254. Buchy, L., Seidman, L.J., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Stone, W., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., & Addington, J. (2015). Evaluating the relationship between cannabis use and IQ in youth and young adults at clinical high risk of psychosis. *Psychiatry Research*, 230, 878-884.
255. Buchy, L., Cannon, T.D., Anticevic, A., Lyngberg, K., Cadenhead, K.S., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., & Addington, J. (2015). Evaluating the impact of cannabis on thalamic connectivity in youth at clinical high risk of psychosis. *BMC Psychiatry*, 15, 276.

256. Perkins, D.O., Jeffries, C.D., Cornblatt, B.A., Woods, S.W., Addington, J., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Heinssen, R., Mathalon, D.H., Seidman, L.J., Tsuang, M.T., Walker, E.F., & McGlashan, T.H. (2015). Severity of thought disorder predicts psychosis in persons at clinical high-risk. *Schizophrenia Research*, 169, 169-177.
257. Haut, K.M., Karlsgodt, K.H., Bilder, R.M., Congdon, E., Freimer, N.B., London, E.D., Sabb, F.W., Ventura, J., & Cannon, T.D. (2015). Memory systems in schizophrenia: Modularity is preserved but deficits are generalized. *Schizophrenia Research*, 168, 223-230.
258. O'Brien, M.P., Miklowitz, D.J., & Cannon, T.D. (2015). Decreases in perceived maternal criticism predict improvement in subthreshold psychotic symptoms in a randomized trial of family-focused therapy for individuals at clinical high risk for psychosis. *Journal of Family Psychology*, 29, 945-951.
259. Kahn, R.S., Sommer, I.E., Murray, R.M., Meyer-Lindenberg, A., Weinberger, D.R., Cannon, T.D., O'Donovan, M., Correll, C.U., Kane, J.M., van Os, J., & Insel, T.R. (2015). Schizophrenia. *Nature Reviews Disease Primers*, 1, 15067.
260. Zheutlin, A.B., Viehman, R.W., Fortgang, R., Borg, J., Smith, D.J., Suvisaari, J., Therman, S., Hultman, C.M., & Cannon, T.D. (2016). Cognitive endophenotypes inform genome-wide expression profiling in schizophrenia. *Neuropsychology*, 30, 40-52.
261. Kremen, W.S., Panizzon, M.S., & Cannon, T.D. (2016). Genetics and neuropsychology: A merger whose time has come. *Neuropsychology*, 30, 1-5.
262. Cannon, T.D. (2016). Microglial activation and the onset of psychosis. *American Journal of Psychiatry*, 173, 3-4.
263. Cannon, T.D. (2016). Deciphering the genetic complexity of schizophrenia. *JAMA Psychiatry*, 73, 5-6.
264. Piskulic D, Liu L, Cadenhead KS, Cannon TD, Cornblatt BA, McGlashan TH, Perkins DO, Seidman LJ, Tsuang MT, Walker EF, Woods SW, Bearden CE, Mathalon DH, Addington J. (2016). Social cognition over time in individuals at clinical high risk for psychosis: Findings from the NAPLS-2 cohort. *Schizophrenia Research*, 171, 176-181.
265. Chekroud AM, Zotti RJ, Shehzad Z, Gueorguieva R, Johnson MK, Trivedi MH, Cannon TD, Krystal JH, Corlett PR. (2016). Cross-trial prediction of treatment outcome in depression: a machine learning approach. *Lancet Psychiatry*, 3, 243-250.
266. Fortgang RG, Hultman CM, van Erp TG, Cannon TD. (2016). Multidimensional assessment of impulsivity in schizophrenia, bipolar disorder, and major depressive disorder: testing for shared endophenotypes. *Psychological Medicine*, 46, 1497-1507.
267. Buchy, L., Mathalon, D.H., Cannon, T.D., Cadenhead, K.S., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., & Addington, J. (2016). Relation between cannabis use and subcortical volumes in people at clinical high risk of psychosis. *Psychiatry Research*, 254, 3-9.

268. Moskow DM, Addington J, Bearden CE, Cadenhead KS, Cornblatt BA, Heinssen R, Mathalon DH, McGlashan TH, Perkins DO, Seidman LJ, Tsuang MT, Cannon TD, Woods SW, Walker EF. (2016). The relations of age and pubertal development with cortisol and daily stress in youth at clinical risk for psychosis. Schizophrenia Research, 172, 29-34.
269. Fortgang, R.G., Hultman, C.M., & Cannon, T.D. (2016). Coping styles in twins discordant for schizophrenia, bipolar disorder, and depression. Clinical Psychological Science, 4, 216-228.
270. Deighton, S., Buchy, L., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D., & Addington, J. (2016). Traumatic brain injury in individuals at clinical high risk for psychosis. Schizophrenia Research.
271. Marshall, C., Deighton, S., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D., & Addington, J. (2016). The violent content in attenuated psychotic symptoms. Psychiatry Research, 242, 61-66.
272. Allswede DM, Buka SL, Yolken RH, Torrey EF, Cannon TD. (2016). Elevated maternal cytokine levels at birth and risk for psychosis in adult offspring. Schizophrenia Research, 172, 41-45.
273. Stone WS, Mesholam-Gately RI, Giuliano AJ, Woodberry KA, Addington J, Bearden CE, Cadenhead KS, Cannon TD, Cornblatt BA, Mathalon DH, McGlashan TH, Perkins DO, Tsuang MT, Walker EF, Woods SW, McCarley RW, Heinssen R, Green MF, Nuechterlein K, Seidman LJ. (2016). Healthy adolescent performance on the MATRICS Consensus Cognitive Battery (MCCB): Developmental data from two samples of volunteers. Schizophrenia Research, 172, 106-113.
274. Stowkowy J, Liu L, Cadenhead KS, Cannon TD, Cornblatt BA, McGlashan TH, Perkins DO, Seidman LJ, Tsuang MT, Walker EF, Woods SW, Bearden CE, Mathalon DH, Addington J. (2016). Early traumatic experiences, perceived discrimination and conversion to psychosis in those at clinical high risk for psychosis. Social Psychiatry and Psychiatric Epidemiology, 51, 497-503.
275. Stowkowy, J., Liu, L., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., Heinssen, R., & Addington, J. (2016). Core schemas in youth at clinical high risk for psychosis. Behavioral and Cognitive Psychotherapy, 44, 203-213.
276. Cannon TD. (In press). Brain biomarkers of vulnerability and progression to psychosis. Schizophrenia Bulletin.
277. Cannon, T.D., Yu, C., Addington, J., Bearden, C.E., Cadenhead, K.S., Cornblatt, B.A., Heinssen, R., Jeffries, C.D., Mathalon, D.H., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Kattan, M.W. (In press). An individualized risk calculator for research in prodromal psychosis. American Journal of Psychiatry.

278. Gifford, G., Crossley, N., Fusar-Poli, P., Schnack, H.G., Kahn, R.S., Koutsouleris, N., Cannon, T.D., & McGuire, P. (In press). Using neuroimaging to help predict the onset of psychosis. Neuroimage.
279. McLaughlin, D., Carrion, R.E., Auther, A.M., Olvet, D.M., Addington, J., Bearden, C.E., Cadenhead, K.S., Cannon, T.D., Heinssen, R., Mathalon, D.H., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Goldberg, T.E., Harvey, P.D., & Cornblatt, B.A. (In press). Functional capacity assessed by the Map Task in individuals at clinical high-risk for psychosis. Schizophrenia Bulletin.
280. Tsai, K.H., Lopez, S., Marvin, S., Zinberg, J., Cannon, T.D., O'Brien, M., & Bearden, C. E. (In press). Perceptions of family criticism and warmth and their link to symptom expression in racially/ethnically diverse adolescents and young adults at clinical high risk for psychosis. Early Intervention in Psychiatry.
281. Marvin, S.E., Miklowitz, D.J., O'Brien, M.P., & Cannon, T.D. (In press). Family-focused therapy for individuals at clinical high risk for psychosis: Treatment fidelity within a multisite randomized trial. Early Intervention in Psychiatry.
282. Alderman, T., Addington, J., Bearden, C., Cannon, T.D., Cornblatt, B.A., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., & Cadenhead, K.S. (In press). Negative symptoms and impaired social functioning predict later psychosis in Latino youth at clinical high risk in the North American prodromal longitudinal studies consortium. Early Intervention in Psychiatry.
283. Lindgren, M., Manninen, M., Kalska, H., Mustonen, U., Laajassalo, T., Moilanen, K., Huttunen, M.O., Cannon, T.D., Suvisaari, J., & Therman, S. (In press). Suicidality, self-harm and psychotic-like symptoms in a general adolescent psychiatric sample. Early Intervention in Psychiatry.
284. Lindgren, M., Manninen, M., Kalska, H., Mustonen, U., Laajasalo, T., Moilanen, K., Huttunen, M.O., Cannon, T.D., Therman, S., & Suvisaari, J. (In press). Evaluation of verbal list learning as a predictor of psychosis. Early Intervention in Psychiatry.
285. McAusland, L., Buchy, L., Cadenhead, K.S., Cannon, T.D., Cornblatt, B.A., Heinssen, R., McGlashan, T.H., Perkins, D.O., Seidman, L.J., Tsuang, M.T., Walker, E.F., Woods, S.W., Bearden, C.E., Mathalon, D.H., & Addington, J. (In press). Anxiety in youth at risk for psychosis. Early Intervention in Psychiatry.

B. Book Chapters

286. Cannon, T. D., Mednick, S. A., & Parnas, J. (1990). Two pathways to schizophrenia in children at risk. In L. Robins & M. Rutter (Eds.), Straight and devious pathways from childhood to adulthood (pp. 328-350). Cambridge: Cambridge University Press.
287. Cannon, T. D. (1991). Genetic and perinatal sources of structural brain abnormalities in schizophrenia. In S. A. Mednick, T. D. Cannon, C. E. Barr & M. Lyon (Eds.), Fetal neural development and adult schizophrenia (pp. 174-198). Cambridge: Cambridge University Press.

288. Cannon, T. D., & Mednick, S. A. (1991). Fetal neural development and adult schizophrenia: An elaboration of the paradigm. In S. A. Mednick, T. D. Cannon, C. E. Barr & M. Lyon (Eds.), Fetal neural development and adult schizophrenia (pp. 227- 237). Cambridge: Cambridge University Press.
289. Mednick, S. A., Cannon, T. D., & Barr, C. E. (1991). Obstetrical events and adult schizophrenia. In S. A. Mednick, T. D. Cannon, C. E. Barr & M. Lyon (Eds.), Fetal neural development and adult schizophrenia (pp. 115-133). Cambridge: Cambridge University Press.
290. Mednick, S. A., & Cannon, T. D. (1991). Fetal neural development, birth, and the syndromes of adult schizophrenia. In S. A. Mednick, T. D. Cannon, C. E. Barr & M. Lyon (Eds.), Fetal neural development and adult schizophrenia (pp. 3-14). Cambridge: Cambridge University Press.
291. Cannon, T. D., Barr, C. E., & Mednick, S. A. (1991). Genetic and perinatal factors in the etiology of schizophrenia. In E. F. Walker (Ed.), Schizophrenia: A life-course developmental perspective (pp. 9-31). New York: Academic Press.
292. Cannon, T. D. (1991). The possible neurodevelopmental significance of structural imaging findings in schizophrenia. In S. A. Mednick, T. D. Cannon, C. E. Barr, & J. LaFosse (Eds.), Developmental neuropathology of schizophrenia (pp. 149-166). New York: Plenum Press.
293. Dykes, K., Mednick, S. A., Cannon, T. D., & Barr, C. E. (1991). Obstetrical events and adult schizophrenia. In S. A. Mednick, T. D. Cannon, C. E. Barr, & J. LaFosse (Eds.), Developmental neuropathology of schizophrenia (pp. 121-140). New York: Plenum Press.
294. Barr, C.E., Mednick, S.A., Machon, R.A., & Cannon, T.D. (1991). Fetal neural development and adult schizophrenia. In C.H. Eggers (Ed.), Schizophrenia and youth (pp. 52-65). Berlin: Springer Verlag.
295. Eyler Zorrilla, L. T., & Cannon, T. D. (1995). Structural brain abnormalities in schizophrenia: Distribution, etiology, and implications. In S.A. Mednick (Ed.), Neural development in schizophrenia: Theory and research (pp. 57-69). New York: Plenum Press.
296. Tyrka, A., Haslam, N., & Cannon, T. D. (1995). Detection of a latent class of individuals at risk for schizophrenia spectrum disorders. In A. Raine, T. Lencz, & S.A. Mednick (Eds.), Schizotypal personality disorder (pp. 168-191). New York: Cambridge University Press.
297. Hollister, J.M., & Cannon, T. D. (1998). Neurodevelopmental disturbances in the etiology of schizophrenia. In M. Ron & A. S. David (Eds.), Disorders of brain and mind (pp. 280-304). New York: Cambridge University Press.
298. Bearden, C. E., & Cannon, T. D. (1998). Neurodevelopmental origins of schizophrenia. In D. K. Roth & R.J. DeRubeis (Ed.), The science of clinical psychology (pp. 23-52). Washington, D.C.: American Psychological Association.

299. Cannon, T. D. (1998). Genetic and perinatal influences in the etiology of schizophrenia: A neurodevelopmental model. In M. Lenzenweger & R. Dworkin (Eds.), Origins and development of schizophrenia: Advances in experimental psychopathology (pp. 67-92). Washington, D.C.: American Psychological Association.
300. Mednick, S. A., Watson, J. B., Huttunen, M., Cannon, T. D., Katila, H., Machon, R., Mednick, B., Hollister, M., Parnas, J., Schulsinger, F., Sajeniemi, N., Voldsgarrd, P., Pyhala, R., Gutkind, D., & Wang, X. (1998). A two-hit working model of the etiology of schizophrenia. In M. Lenzenweger & R. Dworkin (Eds.), Origins and development of schizophrenia: Advances in experimental psychopathology (pp. 27-66). Washington, D.C.: American Psychological Association.
301. Gasperoni, T., & Cannon, T. D. (2000). The genetic bases of mental illness. In W. E. Craighead & C. B. Nemeroff (Eds.), Encyclopedia of psychology and neuroscience. New York: John Wiley & Sons.
302. van Erp, T.G.M, Gasperoni, T., Rosso, I.M., & Cannon, T. D. (2003). Investigating gene-environment interaction in schizophrenia using neuroimaging. In R. Murray, P. Jones, E. Susser, J. van Os, & M. Cannon (Eds.) Epidemiology of Schizophrenia (pp. 254-272). New York: Cambridge University Press.
303. Thompson, P., Rapoport, J.L., Cannon, T.D., & Toga, A.W. (2003). Automated analysis of structural MRI data. In S. Laurie, E. Johnstone, & D.R. Weinberger (Eds), Brain Imaging in Schizophrenia. Oxford: Oxford University Press.
304. Rosso, I.M., & Cannon, T. D. (2003). Obstetrical complications and neurodevelopmental mechanisms in schizophrenia (pp. 111-137). In E. Walker & D. Cicchetti (Eds.), Neurodevelopmental Processes in Psychological Disorders. New York: Cambridge Univ. Press.
305. Bachman, P., & Cannon, T.D. (2005). Cognitive and neuroscience aspects of thought disorder (pp. 493-526). In K. Holyoak & R. Morrison (Eds.), Cambridge Handbook of Thinking and Reasoning. New York: Cambridge University Press.
306. Ellman, L., & Cannon, T.D. (2006). Interactions of genetic predisposition and intrauterine events (pp.19-39). In P. Harvey (Ed.), The Early Course of Schizophrenia. New York: Cambridge University Press.
307. Bearden, C.E., Meyer, S.E., Loewy, R., Niendam, T., & Cannon, T.D. (2006). The neurodevelopmental hypothesis of schizophrenia: Updated (pp. 542-569). In D. Cicchetti (Ed.), Developmental Psychopathology. New York: Cambridge University Press.
308. Cannon, T.D. (2006). Genes, hypoxia and schizophrenia (pp. 127-140). In E. MacCabe, C. O'Daley, R. Murray, P. McGuffin, and P. Wright (Eds.), Beyond Nature-Nurture in Psychiatry. Oxfordshire, UK: Taylor and Francis Books.
309. Cannon, T.D., & Raine, A. (2006). Neuroanatomical and genetic influences on schizophrenia and crime: The schizophrenia-crime association. In A. Raine (Ed.), Crime and Schizophrenia: Causes and Cures, pp. 219-246. Hauppauge, NY: Nova Science Publishers, Inc.

310. Ellman, L., & Cannon, T.D. (2008). Environmental pre- and perinatal influences in etiology. In K. Mueser & D.V. Jeste (Eds.), Clinical Handbook of Schizophrenia, pp. 65-73, New York: Guilford Press.
311. Pantelis, C., Yucel, M., Wood, S.J., Brewer, W.J., Fornito, A., Berger, G., Cannon, T.D., & Velakoulis, D. (2009). Neurobiological endophenotypes of psychosis and schizophrenia: Are there biological markers of illness onset? In H. Jackson & P. McGorry (Eds), Recognition and Management of Early Psychosis: A Preventive Approach (2nd Edition), pp. 61-80. New York: Cambridge University Press.
312. Bilder, R.M., Poldrack, R.A., Parker, D.S., Reise, S.P., Jentsch, J.D., Cannon, T.D., London, E., Sabb, F.W., Foland-Ross, L., Rizk-Jackson, A., Kalar, D., Brown, N., Carstensen, A., & Freimer, N. (2009). Cognitive phenomics. In S. Wood, N. Allen, & C. Pantelis (Eds), Handbook of Neuropsychology of Mental Disorders, pp. 271-284. Cambridge University Press, Cambridge UK.
313. Cannon, T.D. (2010). Prediction of psychosis through the prodromal syndrome. In W.F. Guttaz & G.F. Busatto (eds.), Search for the Causes of Schizophrenia, Vol. VI, pp. 251-266. Springer Verlag, New York.
314. Daley, M., & Cannon, T.D. (2010). Childhood Psychosis. In I. Weiner & E. Craighead (Eds.), Corsini's Encyclopedia of Psychology, pp. 1-3. New York: Wiley & Sons.
315. Egan, M., & Cannon, T.D. (2011). Intermediate phenotypes in genetic studies of schizophrenia. In D.R. Weinberger & P. Harrison (Eds.), Schizophrenia, 3rd Edition, pp. 389-310. Oxford: Blackwell Publishing.
316. Karlsgodt, K.H., Ellman, L.M., Sun, D., Mittal, V., & Cannon, T.D. (2011). The neurodevelopmental hypothesis of schizophrenia. In AS David, S Kapur & P McGuffin (Eds.), Schizophrenia: The Final Frontier, pp. 3-18. London: Psychology Press.
317. Jimenez, A.M., Gee, D.G., Cannon, T.D., & Lieberman, M.D. (2013). The social cognitive brain: A review of key individual difference parameters with relevance to schizophrenia. In D. Roberts & D. Penn (Eds.), Social Cognition in Schizophrenia: From Evidence to Treatment, pp. 93-119. New York: Oxford University Press.
318. Zheutlin, A., Fortgang, R., & Cannon, T.D. (2016). Genetics of schizophrenia. In S.C. Schulz, M.F. Green, & K. Nelson (Eds.), Primer on Schizophrenia and Psychotic Spectrum Disorders, pp. 119-136. New York: Oxford University Press.

C. Books

319. Mednick, S. A., Cannon, T. D., Barr, C. E., & Lyon, M. (Eds.) (1991). Fetal neural development and adult schizophrenia. Cambridge: Cambridge University Press.
320. Mednick, S. A., Cannon, T. D., Barr, C. E., & LaFosse, J. (Eds.) (1991). Developmental neuropathology of schizophrenia. New York: Plenum Press.

D. Published Letters and Abstracts

- Cannon, T. D. (1991). Precursors and developmental course of predominantly negative and positive forms of schizophrenia in a high-risk population. Dissertation Abstracts International, 51, 3556.
- Mednick, S. A., & Cannon, T. D. (1991). The 1962 Copenhagen high-risk study: 29 years after. Schizophrenia Research, 4, 281.
- Enehjelm, S. E., Praestholm, J., Vestergaard, A. S., Videbaek, H., Mednick, S. A., & Cannon, T. D. (1992). Quantitative brain morphology - applied methodology. Neuroradiology, 34, 57.
- Hollister, J. M., Mednick, S. A., Brennan, P., & Cannon, T. D. (1993). Impaired autonomic nervous system habituation in those at genetic risk for schizophrenia. Schizophrenia Research, 9, 159.
- Eyler Zorrilla, L. T., & Cannon, T. D. (1994). Neuropsychological vulnerability markers of schizophrenia. Archives of Clinical Neuropsychology, 9, 126.
- Zorrilla, E. P., Cannon, T. D., Gur, R. E., Kessler, J., & Borricella, M. (1995). Relative lymphocyte deficit in schizophrenics and their siblings. Schizophrenia Research, 15, 52.
- Cannon, T. D., Mednick, S. A., Parnas, J., Schulsinger, F. (1995). Developmental brain abnormalities in schizophrenia: Contributions of genetic and perinatal factors. Archives of General Psychiatry, 52, 157-159.
- Finkelstein, J. R. J., Cannon, T. D., Gallacher, F., Gur, R. E., Gur, R. C., & Moberg, P. (1995). Attentional dysfunctions in neuroleptic-naive and neuroleptic-withdrawn schizophrenic patients and their siblings. Schizophrenia Research, 15, 116-117.
- Szymanski, S., Cannon, T. D., Gallacher, F., Martin, K., Shtasel, D., Heimberg, C., Turetsky, B., Sandefur, D., McGrady, N., & Gur, R. E. (1995). The relationship of treatment response to chronicity of illness in a long-term prospective study of schizophrenia. Schizophrenia Research, 15, 166-167.
- Finkelstein, J.J., Cannon, T. D., Mednick, S. A., Parnas, J., & Schulsinger F. (1997). Assortative mating and lifetime DSM-III-R outcome in offspring of schizophrenic and normal parents. Schizophrenia Research, 24, 44.
- Cannon, T. D., Kaprio, J., Lonqvist, J., Huttunen, M., & Koskenvuo, M. (1997). The genetic epidemiology of schizophrenia in a Finnish twin cohort. Schizophrenia Research, 24, 43.
- White, P. T., Cannon, T. D., & Gur, R. C. (1997). Verbal memory deficits in schizophrenic patients and their siblings. Schizophrenia Research, 24, 49.
- Cannon, T. D., Bearden, C. E., Hollister, J. M., & Hadley, T. (1997). A prospective cohort study of childhood cognitive deficits as precursors of schizophrenia. Schizophrenia Research, 24, 99-100.

- Glahn, D. C., Gur, R. C., Ragland, J. D., Cannon, T. C., & Gur, R. E. (1997). An examination of visual learning in patients with schizophrenia: Evidence of a deficit in acquisition of novel information. Schizophrenia Research, 24, 103.
- Cannon, T. D., Huttunen, M., Standertskjold-Nordenstam, C. G., Salonen, O., Valanne, L., & Lonnqvist, J. (1997). Regional brain morphology in siblings discordant for schizophrenia: A magnetic resonance imaging study. Schizophrenia Research, 24, 140-141.
- Cannon, T. D., Hollister, J. M., Bearden, C. E., & Hadley, T. (1997). A prospective cohort study of genetic and perinatal influences in schizophrenia. Schizophrenia Research, 24, 248.
- Cannon, T.D., van Erp, T.G.M., Finkelstein, J.J., Huttunen, M., Kaprio, J., Lonnqvist, J., Huttunen, T., Tuulio-Hendriksson, A., Salonen, O., Valanne, L., Poutanen, V.P., Standertskjold-Nordenstam, C.G., Glahn, D., Koskenvuo, M. (1999). Disturbance in a frontal lobe-working memory circuit as an inherited neurobiological substrate of schizophrenia: results from a controlled twin study. Schizophrenia Research, 36, 88.
- Cannon, T.D., van Erp, T.G.W., Huttunen, M., Lonnqvist, J., Salonen, O., Valanne, L., Poutanen, V.P., Standertskjold-Nordenstam, C. (1999). Perinatal hypoxia and regional brain morphology in schizophrenic patients, their siblings, and controls. Schizophrenia Research, 36, 192.
- Gasperoni, T.L., Cannon, T.D., Bearden, C.E., Hollister, J.M., Rosso, I.M., Hadley, T. (1999) Neuromotor abnormalities as precursors of schizophrenia: A prospective cohort study. Schizophrenia Research, 36, SI 40
- van Erp, T.G.M., Cannon, T.D., Huttunen, M., Lonnqvist, J., Salonen, O., Valanne, L., Poutanen, V.P., Standertskjold-Nordenstam, C.G. (1999). The Relationship Between Ventricular Volume And Clinical Symptoms In Schizophrenia: A Family Study. Schizophrenia Research, 36, 213.
- Bearden, C.E., van Erp, T.G.W., Glahn, D.C., Wang, P.P., Aleman, D., Moss, E., McDonald-McGinn, D., Zackai, E., & Cannon, T.D. (2002). Regional brain volume abnormalities in children with 22Q deletion syndrome: Correlation with neurocognitive performance. Journal Of Cognitive Neuroscience, 4 S, 125.
- Bearden, C.E., van Erp, T.G.W., Glahn, D.C., Wang, P.P., Aleman, D., Moss, E., McDonald-McGinn, D., Zackai, E., & Cannon, T.D. (2002). Regional brain abnormalities in children with 22q deletion syndrome: Correlation with neurocognitive performance and psychiatric symptoms. Biological Psychiatry, 51(8) S, 47S.
- Johnson, J.K., Huttunen, M.O., Lonnqvist, J., Tuulio-Henriksson, A., Pirkola, T., Kaprio, J., Cannon, T.D. (2003) The relationship between schizotypal symptoms, genetic risk for schizophrenia, and neurocognitive deficits. Schizophrenia Research, 60, S1, 82
- Bearden, C.E., Loewy, R.L., O'Brien, M., Johnson, J.K., Cannon, T.D. (2004). Characterizing the prodrome: Results from a consecutive series of 116 cases. Biological Psychiatry, 55, 8, 174S.

- Mittal VA, Willhite R, Cannon TD. (2007). Floaters: A potential confound in the assessment of perceptual abnormalities. Schizophrenia Research.
- Cannon, T.D., van Erp, T.G., Knowlton, B., Lesh, T.A., Bearden, C.E., Hardt, M., Karlsgodt, K., Shirinyan, D., Subotnik, K.L., Green, M.F., Cohen, M.S., Nuechterlein, K.H. (2007). Behavioral and physiologic indicators of deficits in contextual encoding and episodic memory in the prodromal and psychotic phases of schizophrenia. Schizophrenia Bulletin, 513.
- Karlsgodt, K.H., van Erp, T.G., Hardt, M.E., McKinley, M.V., Bearden, C.E., Poldrack, R.A., Nuechterlein, K.H., Cannon, T.D. (2007). Diffusion tensor imaging of fronto-parietal connections in patients at ultra-high risk for schizophrenia. Schizophrenia Bulletin, 338.
- Subotnik, K.L., Nuechterlein, K.H., Cannon, T.D., Green, M.F., Knowlton, B.J., Lang, P.J., Mathis, K.I., Pashler, K., van Erp, T.G., Ventura, J., Yee, C.M. (2007). Insight into illness in the early chronic phases of schizophrenia: Relationship to basic science measures of attention, memory, social cognition, and emotion reactivity. Schizophrenia Bulletin, 577.
- Sun, D., Phillips, L., Velakoulis, D., Yung, A., McGorry, P.D., Woods, S.J., van Erp, T.G., Thompson, P.M., Toga, A.W., Cannon, T.D., Pantelis, C. (2007). Progressive brain structural changes mapped as psychosis develops in 'at risk' individuals. Schizophrenia Bulletin, 356-357.
- Van Erp, T.G., Lesh, T.A., Knowlton, B.J., Bearden, C.E., Hardt, M.E., Karlsgodt, K.H., Shirinyan, D., Green, M.F., Nuechterlein, K.H., Cannon, T.D. (2007). Recollection and familiarity judgments during recognition in chronic schizophrenia. Schizophrenia Bulletin, 546.
- Niendam, T.A., Bearden, C.E., Zinberg, J., Johnson, J.K., O'Brien, M.P., Daley, M., & Cannon, T.D. (2007). Relationship between adolescent cognitive functioning and family environment in the psychosis prodrome. Biological Psychiatry.
- Loewy, R.L., Bearden, C.E., Niendam, T.A., & Cannon, T.D. (2007). Parental report on the prodromal questionnaire: Screening for ultra high risk for psychosis. Schizophrenia Bulletin.
- Lutkenhoff, E.S., Van Erp, T.G., Thomas, A., Therman, S., Manninen, M., Huttunen, M., Kaprio, J., Lonngvist, J., & Cannon, T.D. (2007). Proton MRS in twins discordant for schizophrenia. Schizophrenia Bulletin, 394.
- Lesh, T.A., van Erp, T.G., Cohen, M.S., & Cannon, T.D. (2007). Amygdala activation during masked presentation of faces with fearful expressions. Biological Psychiatry.
- Karlsgodt, K.H., Niendam, T.A., Bearden, C.E., van Erp, T.G., Poldrack, R.A. & Cannon, T.D. (2008). White matter integrity and prediction of social and role functioning in subjects at ultra-high risk for psychosis. Biological Psychiatry.
- Sun, D., van Erp, T.G., Daley, M., Bearden, C.E., Mkrtychyan, A., Hardt, M.E., Marino, A.C., Toga, A., Thompson, P., Cannon, T.D. (2008). Cortical gray matter mapping during the psychosis prodrome. Biological Psychiatry, 63, 278S.

Invited Talks

Symposium Speaker, NATO Advanced Research Workshop “Schizotypal Personality Disorder,” May 31-June 4, 1993, Castelvecchio Pascoli, Tuscany, Italy.

Symposium Speaker, NATO Advanced Study Institute, “Neural Development in Schizophrenia: Theory and Research,” September 22-October 1, 1993, Castelvecchio Pascoli, Tuscany, Italy.

Symposium Speaker, Regional Conference on Schizophrenia as a Brain Disease, Department of Psychiatry, University of Pennsylvania, October 23, 1993.

Colloquium Speaker, Department of Psychiatry, New York University, May 15, 1994.

Colloquium Speaker, Department of Psychology, Harvard University, January 15, 1995.

Colloquium Speaker, Department of Psychiatry, University of Massachusetts, March 29, 1995.

Symposium Speaker, Institute of Neuroscience Research Retreat, University of Pennsylvania, April 11, 1995.

Colloquium Speaker, Department of Mental Hygiene, Johns Hopkins University, June 9, 1995.

Grand Rounds Lecturer, Department of Psychiatry, University of Pennsylvania, February 15, 1996.

Colloquium Speaker, Department of Psychology, Bryn Mawr College, April 19, 1996.

Colloquium Speaker, Department of Neurology, University of Helsinki, August 21, 1996.

Symposium Speaker, Clinical Psychology for the Next Century: A Conference Commemorating the 100th Anniversary of Clinical Psychology, University of Pennsylvania, October 26th, 1996.

Symposium Speaker, Experimental Psychopathology and the Pathogenesis of Schizophrenia, Cornell University, November 8, 1996.

Colloquium Speaker, Institute of Psychiatry, London, UK, January 9, 1997.

Colloquium Speaker, Center for Neurobiology and Behavior, Department of Psychiatry, University of Pennsylvania, February 13, 1997.

Colloquium Speaker, Neuroscience Program, Rockefeller University, New York, April 1, 1998.

Plenary Speaker, Neurodevelopment and Psychopathology, NIMH Conference, Emory University, Atlanta, Georgia, January 29, 1999.

Symposium Speaker, Department of Psychiatry, University of Turku, Turku, Finland, March 26, 1999.

2nd Paul Janssen Lecturer, Institute of Psychiatry, London, March 31, 1999.

Grand Rounds Lecturer, Neuropsychiatric Institute, UCLA School of Medicine, December 5, 2000.

- Distinguished Faculty Lecturer, Department of Psychology, UCLA, December 5, 2001.
- Plenary Speaker, Symposium on Twin Studies in Psychiatry, University of Utrecht, Utrecht, Netherlands, October 1, 2002.
- Plenary Speaker, Symposium on Imaging in Psychiatry, University of Helsinki, Helsinki, Finland, Oct 11, 2002.
- Colloquium Speaker, Neuroscience Program, University of Southern California, March 5, 2003.
- Plenary Speaker, 4th Meeting of the International Early Psychosis Association, Vancouver, Canada, September 24, 2004.
- Plenary Speaker, European Foundation for Psychiatry, "Beyond Nature and Nurture: Genes, Environment and their Interplay in Psychiatry," King's College, London, U.K., November, 2004.
- Plenary Speaker, Australian Psychiatric Association Annual Meeting, Perth, Australia, December 3-5, 2004.
- Plenary Speaker, Society for Biological Psychiatry Annual Meeting, Atlanta, Georgia, May 20, 2005.
- Invited Speaker, UCLA Learning and Memory Symposium, Los Angeles, California, June 1, 2005.
- Plenary Speaker, Symposium on the Genetics of Complex Traits, Biomedicum, University of Helsinki, Finland, August 17, 2005.
- Keynote Speaker, 11th Annual Music Festival for Mental Health, Staglin Family Vineyard, Rutherford, California, September 10, 2005.
- Plenary Speaker, 10th Annual Review of Psychiatry and Psychopharmacology, Semel Institute of Neuroscience and Human Behavior, Los Angeles, California, October 28, 2005.
- Course Director and Speaker, Society for Neuroscience Short Course on "The Genetics of Cognitive Neuroscience Phenotypes," Washington, D.C., November 11, 2005.
- Invited Speaker, NARSAD Symposium on Mental Health, Los Angeles, California, June 25, 2006.
- Invited Speaker, Community Symposium on Schizophrenia, University of California, Davis, Sacramento, California, September 26, 2006.
- Colloquium Speaker, Department of Psychiatry, Washington University, St. Louis, Missouri, September, 28, 2006.
- Invited Speaker, Community Seminar: "Prevention of Psychosis: Current Efforts and Future Directions", hosted by Washington University, St. Louis, Missouri, September 29, 2006.
- Grand Rounds Lecturer, Cedars Sinai Medical Center, Los Angeles, California, May 3, 2007.

Colloquium Speaker, National Institute of Mental Health, Bethesda, Maryland, June 29, 2007.

Plenary Lecturer, Symposium on the Psychosis Prodrome, Finnish Academy of Medicine Annual Meeting, Helsinki, Finland, October 24, 2007.

Colloquium Speaker, Department of Psychology, State University of New York-Stony Brook, Stony Brook, New York, November 9, 2007.

Plenary Lecturer, Council on Graduate Departments of Psychology Annual Meeting, San Antonio, Texas, February 28, 2008.

Plenary Lecturer, MacMaster University Department of Psychiatry Research Day, Hamilton, Ontario, Canada, April 16, 2008.

Invited Speaker, Symposium on New Approaches to Genetics in Psychiatry, American Psychiatric Association Annual Meeting, Washington, DC, May 4, 2008.

Colloquium Speaker, Royal College of Physicians and Surgeons, Dublin, Ireland, June 12, 2008.

Colloquium Speaker, Department of Psychiatry, University of Amsterdam, Amsterdam, Netherlands, October 8, 2008.

Plenary Lecturer, International Conference on Cannabis and Psychosis, Barcelona, Spain, October 9-10, 2008.

Grand Rounds Speaker, Department of Psychiatry and Biobehavioral Sciences, UCLA, Los Angeles, California, December 16, 2008.

Grand Rounds Speaker, Department of Psychiatry, Columbia University, New York, New York, April 15, 2009.

Colloquium Speaker, Department of Psychiatry, Duke University, Durham, North Carolina, May 12, 2009.

Colloquium Speaker, MIND Research Network, University of New Mexico, May 14, 2009.

Invited Speaker, Annual Meeting of the American Psychological Society, San Francisco, California, May 24, 2009.

Invited Speaker, Schizophrenia Conference and Festschrift for Professor Robin Murray, London, England, November 6, 2009.

Invited Speaker, NARSAD Symposium "From Darkness to Sunshine", Sarasota, Florida, January 9, 2010.

Invited Speaker, International Imaging Genetics Conference, UC Irvine, Irvine, California, January 19, 2010.

Colloquium Speaker, Department of Psychology, San Diego State University, San Diego, California, February 24, 2010.

- Grand Rounds Speaker, Kootenai Health Center, Coeur d'Alene, Idaho, March 28, 2010.
- Grand Rounds Speaker, Department of Psychiatry, Sant Joan de Déu Hospital, Barcelona, Spain, June 8, 2010.
- Master Lecture, Annual Meeting of the American Psychological Association, San Diego, California, August 14, 2010.
- Grand Rounds Speaker, Department of Psychiatry, Harbor UCLA Medical Center, Torrance, California, December 7, 2010.
- Grand Rounds Speaker, Department of Neurology, UCLA, Los Angeles, California, December 15, 2010.
- Grand Rounds Speaker, Broad Institute, Harvard University, Boston, Massachusetts, January 26, 2011.
- Plenary Speaker, NIMH Outreach Partnership Conference, Houston, Texas, March 22, 2011.
- Invited Speaker, Annual Meeting of the American Psychological Society, Washington DC, May 22, 2011.
- Plenary Speaker, International Early Psychosis Association Meeting, San Francisco, California, October, 2012.
- Colloquium Speaker, Yale University Magnetic Resonance Research Center, November, 2012.
- William K. Warren Lectureship, Tulsa, OK, May 2013.
- Grand Rounds Speaker, Department of Psychiatry, Johns Hopkins University, February, 2013.
- Grand Rounds Speaker, Department of Psychiatry, Long Island Jewish-Zucker Hillside Hospital, March, 2013.
- Plenary Speaker, Karolinska Institute, Stockholm, Sweden, October, 2013.
- Invited Speaker, NIMH Director's Meeting on Psychosis Prodrome, Orlando, FL, December, 2013.
- Plenary Speaker, Dutch Early Psychosis Society, Utrecht, Netherlands, February, 2014.
- Invited Speaker, MacArthur Network on Law and Psychiatry, Chicago, Illinois, June, 2014.
- Invited Lecturer, Cold Springs Harbor Course on Schizophrenia, Cold Springs Harbor, Long Island, New York, June, 2014.
- Invited Speaker, Kraepelin Symposium, Maximillians University, Munich, Germany, September, 2014.
- Colloquium Speaker, National Institute of Mental Health, Bethesda, Maryland, January 2015.

Colloquium Speaker, Broad Institute, MIT, Cambridge, Massachusetts, February, 2015.

Keynote Speaker, International Congress on Schizophrenia Research, Colorado Springs, Colorado, April 2015.

Colloquium Speaker, Department of Psychology, Harvard University, May 2015.

Colloquium Speaker, Department of Psychology, University of Minnesota, May 2015.

Keynote Speaker, European Conference on Schizophrenia, Berlin, Germany, September, 2015.

Keynote Speaker, Annual Meeting of the Society for Research in Psychopathology, New Orleans, Louisiana, October, 2015.

Conference Presentations

Annual Meeting of the Life History Research Society, November, 1987, Washington University, St. Louis, Missouri.

NIMH Conference “Fetal Neural Development and Schizophrenia,” May 31-June 1, 1988, Washington, D. C.

Annual Meeting of the Society for Psychophysiological Research, October 18-22, 1988, San Francisco, California.

Second International Congress on Schizophrenia Research, April 1-5, 1989, San Diego, California.

NATO Advanced Research Workshop “Developmental Neuropathology of Schizophrenia,” August 28-September 1, 1989, Castelvecchio Pascoli, Tuscany, Italy.

Annual Meeting of the Society for Psychophysiological Research, October 18-22, 1989, New Orleans, Louisiana.

Annual Meeting of the Society for Research in Psychopathology, November 8-12, 1989, Coral Gables, Florida.

Annual Meeting of the Society for Psychophysiological Research, October, 1990, Boston, Massachusetts.

Annual Meeting of the Life History Research Society, November, 1990, University of Denver, Keystone, Colorado.

Fourth International Congress on Schizophrenia Research, April 17-21, 1993, Colorado Springs, Colorado.

Annual Meeting of the National Academy of Neuropsychology, October 28-30, 1993, Phoenix, Arizona.

XIXth Congress, Collegium Internationale NeuroPsychopharmacologicum, June 27-July 1, 1994, Washington, DC.

Fifth International Congress on Schizophrenia Research, April 8-12, 1995, Warm Springs, Virginia.

Annual Meeting of the Society for Neuroscience, November 11-16, 1995, San Diego, California.

Sixth International Congress on Schizophrenia Research, April 12-16, 1997, Colorado Springs, Colorado.

Seventh International Congress on Schizophrenia Research, April 17-21, 1999, Sante Fe, New Mexico

Annual Meeting of the American College of Neuropharmacology, Acapulco, Mexico, December 1999

Annual Meeting of the Society for Biological Psychiatry, Chicago, Illinois, May 2000

Annual Meeting of the Society for Neuroscience, San Diego, California, 2001

Eighth International Congress on Schizophrenia Research, British Columbia, Canada, April 2001

American College of Neuropharmacology, Waikaloa, Hawaii, December 2001

Organization for Human Brain Mapping, Brighton, UK, June 2002

International Early Psychosis Association, Copenhagen, Denmark, September 2002

Ninth International Congress on Schizophrenia Research, Colorado Springs, Colorado, April 2003

Third Annual Stanford Undergraduate Psychology Conference. Palo Alto, CA, May 2003

Annual Meeting of the Society for Psychophysiological Research, Chicago, IL, October 2003.

Annual Meeting of the Society for Neuroscience, New Orleans, LA, Nov 2003.

Annual Meeting of the Cognitive Neuroscience Society, New York, NY, 2003.

Annual Conference of American Association of Suicidology, Miami, FL, April, 2004.

NNFF Consortium for the Molecular Biology of NF1, NF2, and Schwannomatosis, Aspen, CO, May 2004.

4th International Conference on Early Psychosis, Vancouver, September 2004.

Annual Meeting of the Society for Neuroscience, San Diego, October 2004.

Annual Meeting of the Society for Psychophysiological Research, Santa Fe, NM, October 2004.

Annual Meeting of the Society for Research in Psychopathology, St. Louis, MO, October 2004.

International Congress on Schizophrenia Research, Savannah, Georgia, April 2005.

Annual Meeting of the International Organization for Human Brain Mapping, Toronto, Canada, May 2005.

World Congress on Biological Psychiatry, Vienna, Austria, June 2005.

Molecular Psychiatry Meeting, Park City, Utah, February 2006.

Annual Meeting of the American College of Neuropharmacology, Hollywood, Florida, December 2006.

Winter Conference on Brain Research, Aspen, Colorado, January 2007.

International Congress on Schizophrenia Research, Colorado Springs, Colorado, March 2007.

Annual Meeting of the Society for Biological Psychiatry, San Diego, California, May 2007.

Annual Meeting of the American College of Neuropharmacology, Ft. Lauderdale, Florida, December 2007.

Annual Meeting of the American Psychiatric Association, Washington, DC, May 2008.

Schizophrenia International Research Society Meeting, Venice, Italy, June 2008.

Sixth International Conference on the Search for the Causes of Schizophrenia, Sao Paulo Brazil, February, 2009.

International Congress on Schizophrenia Research, San Diego, California, March 2009.

From Gene Discovery to Novel Therapeutics in Psychiatry: The Case for DISC1, Napa, California, September, 2009.

Annual Meeting of the American Association for the Advancement of Science, San Diego, California, February, 2010.

Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain, June, 2010.

Annual Meeting of the Society for Neuroscience, San Diego, California, November, 2010.

International Early Psychosis Association meeting, Amsterdam, the Netherlands, November, 2010.

International Prodromal Research Network Meeting, Colorado Spring, Colorado, April, 2011.

International Congress on Schizophrenia Research, Colorado Springs, Colorado, April, 2011.

International Prodromal Research Network Meeting, Florence, Italy, April, 2012.

Schizophrenia International Research Society, Florence, Italy, April, 2012.

Annual Meeting of the American Psychiatric Association, Philadelphia, Pennsylvania, May 6-8, 2012.

International Congress on Schizophrenia Research, Orlando, Florida, April, 2013.

Society for Molecular Psychiatry, San Francisco, California, November, 2013.

Biannual Meeting of the Schizophrenia International Research Society, Florence, Italy, April, 2014.

Annual Meeting of the American Psychiatric Association, New York City, New York, May, 2014.

Annual Meeting of the Society for Biological Psychiatry, New York City, New York, May, 2014.

Annual Meeting of the Society for Psychopathology Research, Evanston, Illinois, September, 2014.

Annual Meeting of the American College of Neuropharmacology, Phoenix, Arizona, December, 2014.

International Congress on Schizophrenia Research, Colorado Springs, Colorado, April, 2015.

Annual Meeting of the European Association for Schizophrenia Research, Berlin, Germany, September, 2015.

Annual Meeting of the Society for Research in Psychopathology, New Orleans, Louisiana, October, 2015.

PhD Students Supervised

Current

Rebecca Fortgang, Yale University, mental effort and cognitive control in schizophrenia

Amanda Zheutlin, Yale University, genetics and neuropsychology of schizophrenia

Yoonho Chung, Yale University, longitudinal brain imaging of psychosis prodrome

Dana Allswede, Yale University, neurodevelopmental risk factors for schizophrenia

Michael Bronstein, Yale University, statistical learning, prediction error, and delusions

Previous

Dylan Gee, PhD 2015, UCLA, functional activation and connectivity of emotional processing circuitry in psychosis prodrome, now an Assistant Professor, Department of Psychology, Yale University

Rachel Higier, PhD 2013, UCLA, functional activation and connectivity of working memory circuitry in twins discordant for schizophrenia and bipolar disorder, now a postdoctoral fellow at West Los Angeles Veteran's Administration

Amy Jimenez, PhD 2012, UCLA, functional activation and connectivity of emotional processing circuitry in twins discordant for schizophrenia and bipolar disorder, now a postdoctoral fellow at West Los Angeles Veteran's Administration

Zachary Moran, PhD 2011, UCLA, electrophysiology of multisensory integration in schizophrenia, now a postdoctoral fellow at University of Wisconsin, Madison

Rachael Willhite Viehman, PhD 2011, gene expression and cognitive functioning in schizophrenia, now in Pittsburgh

Evan Lutkenhoff, PhD 2010, UCLA, gene expression profiling in twins discordant for schizophrenia and bipolar disorder, now a postdoctoral fellow at UCLA

Christopher Jetton, PhD 2009, UCLA, electrophysiological studies of phase resetting in schizophrenia, now a lecturer at Loyola Marymount University, Los Angeles

Tyler Lesh, PhD 2009, UCLA, functional activation and connectivity of emotion processing circuitry, now an Assistant Professor, Department of Psychiatry, UC Davis

Katherine Karlsgodt, PhD 2008, UCLA, functional and structural brain connectivity and memory systems in schizophrenia, now an Assistant Professor, Zucker Hillside Hospital

Sooyun Cho, PhD 2008, UCLA, analogical reasoning and memory systems, now an Assistant Professor, Department of Psychology, Choong-Ang University, Seoul, South Korea

David Shirinyan, PhD 2008, UCLA, working memory in schizophrenia, now a researcher, UCLA

Lauren Ellman, PhD 2007, UCLA, neurodevelopmental risk factors for schizophrenia, now an Assistant Professor, Department of Psychology, Temple University

Jaqueline Horwitz Sanz, PhD 2007, functional neuroimaging and symptom dimensions of schizophrenia, now a postdoctoral fellow at Kennedy Kruger Institute

Tara Niendam, PhD 2006, UCLA, neuropsychology of psychosis prodrome, now an Assistant Professor, Department of Psychiatry, UC Davis

Peter Bachman, PhD 2006, UCLA, electrophysiological measures of information processing in twins discordant for schizophrenia, now an Assistant Professor, Department of Psychiatry, University of Pittsburgh

Rachel Loewy, PhD 2005, UCLA, prediction and prevention of psychosis, now an Associate Professor, Department of Psychiatry, UC San Francisco

DeQuincy Lezine, PhD 2004, UCLA, predictors of suicide in offspring of mothers with schizophrenia, now a postdoctoral fellow in the Department of Psychology, University of Rochester

Timothy Gasperoni, PhD 2001, UCLA, genetic linkage and cognitive endophenotypes for schizophrenia, now a partner in financial firm in New York

Junghoon Kim, PhD 2001, University of Pennsylvania, working memory in schizophrenia, now an Associate Professor, Moss Rehabilitation Center, Philadelphia, PA

Isabelle Rosso, PhD 2000, University of Pennsylvania, neurodevelopmental risk factors for schizophrenia, now an Associate Professor, Department of Psychiatry, MacLean Hospital and Harvard Medical School

Carrie Bearden, PhD 1999, University of Pennsylvania, neuropsychology of schizophrenia, now an Associate Professor, Department of Psychiatry and Biobehavioral Sciences, UCLA

David Glahn PhD 1999, University of Pennsylvania, imaging genetics and schizophrenia, now a Professor, Department of Psychiatry, Yale University

Jennifer Finkelstein, PhD 1998, University of Pennsylvania, attention dysfunction in schizophrenia, now in Pittsburgh, PA

Patricia White, PhD 1998, University of Pennsylvania, prospective markers of depression, now an assistant professor, University of Oregon

Audrey Tyrka, PhD 1996, University of Pennsylvania, taxometric analyses of latent liability to schizophrenia, now an Associate Professor, Department of Psychiatry, Brown University

Lisa Eyler, PhD 1996, University of Pennsylvania, functional neuroimaging of schizophrenia, now an Associate Professor, Department of Psychiatry, UC San Diego

Postdoctoral Fellows Supervised

Current

None.

Previous

Kristen Haut, Yale University, activation and functional connectivity of memory systems across phases of illness in schizophrenia, now a Visiting Assistant Professor, Williams College.

Sarah Jacobson McEwen, UCLA, functional connectivity in the psychosis prodrome, now a Researcher, UCLA Department of Psychiatry and Biobehavioral Sciences

Jacqueline Borg, UCLA, PET imaging of D1 and D2 receptors in schizophrenia, now a Researcher, Karolinska Institute, Stockholm, Sweden

Vijay Mittal, UCLA, movement abnormalities in the psychosis prodrome, now an Assistant Professor, Department of Psychology, University of Colorado

Danielle Schlosser, UCLA, prediction and prevention of psychosis, now an Assistant Professor, Department of Psychiatry, UC San Francisco

Frank (Daqiang) Sun, UCLA, longitudinal neuroimaging of schizophrenia and at risk individuals, now a Resident in Psychiatry, UCLA

Stephanie Meyer, UCLA, prediction and prevention of psychosis, now an Assistant Professor at Cedars Sinai Hospital, Los Angeles

Jennifer Johnson, UCLA, neuropsychological indicators of genetic liability to schizophrenia, now a research associate in Los Angeles

Weidong Li, UCLA, molecular biology of the DISC1 gene, now a Professor at University of Shanghai, China

Zoe Martinez, UCLA, pharmacological interventions during the prodromal phase of psychosis, now a staff psychiatrist, Ohio State University

Rebecca Schwarzlose, UCLA, rapid visual processing in schizophrenia, now Editor, Trends in Cognitive Sciences, Cambridge, MA

Courses Taught

Yale University

Biological Bases of Psychopathology (core graduate course)

Research Methods in Behavior Genetics (undergraduate lab course)

Introduction to Clinical Neuroscience (undergraduate lecture course)

University of California, Los Angeles

Psychopathology (graduate proseminar)

Research Methods and Statistical Procedures for Clinical Psychology (graduate seminar)

Prediction and Prevention of Mental Disorders (graduate and postdoctoral seminar)

Biological Bases of Abnormal Behavior (undergraduate lecture course)

Behavior Genetics (undergraduate lecture course)

Date: 7/19/16

Abnormal Psychology (undergraduate lecture course)
Research Experience in Clinical Psychology: Schizophrenia (undergraduate lab course)

University of Pennsylvania

Psychopathology (graduate proseminar)
Schizophrenia (graduate seminar)
Neuropsychology (graduate lecture course)
Abnormal Psychology (undergraduate lecture course)
Research Experience in Clinical Psychology: Schizophrenia (undergraduate lab course)