

VITA
TYRONE DOUGLAS CANNON

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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)
Chair, Department of Psychology, Yale University (2019 – 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

Predocutorial 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)

Clark L. Hull Professor of Psychology (Endowed Chair), Yale University (2016 – present)

Editorial and Professional Positions

Member of Scientific Council, Brain and Behavior Research Foundation (2017 -)

Member of Board of Directors, Schizophrenia International Research Society (2014 - 2018)

Editor, Annual Review of Clinical Psychology, 2013 to present

Associate Editor, American Journal of Psychiatry, 2013 to present

Associate Editor, Clinical Psychological Science, 2012 to 2017

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 Heinssen, 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)

Guest Editor of Special Issue on Psychosis Prodrome, Biological Psychiatry (2019)

Editorial Consultant

American Journal of Medical Genetics

American Journal of Psychiatry

Annual Review of Clinical Psychology

Archives of General Psychiatry

Biological Psychiatry

Clinical Psychological Science

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

NIMH EPINET Special Emphasis Panel, 2019
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

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 -)

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.

R01, National Institute of Mental Health – Characterizing Schizophrenia Progression via Multi-modal Neuroimaging and Computation, Alan Anticevic, PI (Tyrone D. Cannon, Investigator), \$1,429,415 (total direct costs), 07/01/16 – 06/30/21. The major goal of this project is to longitudinally characterize concurrent functional and structural dysconnectivity in early-course schizophrenia in relation to symptoms and cognitive deficits via state-of-the-art multi-modal neuroimaging.

R01, National Institute of Mental Health – Mapping the Longitudinal Neurobiology of Early-course Schizophrenia, Alan Anticevic, PI (Tyrone D. Cannon, Investigator), \$679,485 (total direct costs), 12/01/17 – 11/30/22. This large-scale collaborative clinical study between the U.S. and China aims to examine concurrent multi-modal functional and structural dysconnectivity along cortico–thalamic–striatal–cortical loops in unmedicated early-course schizophrenia, and quantify longitudinal neural changes in relation to symptoms, cognition and treatment response patterns via cutting-edge brain imaging.

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. Ascertain 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 Eyler 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., Eyler 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., Lönnqvist, 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.
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- 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.
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- 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., Mkrtchyan, 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.

Colloquium Speaker, University of Pennsylvania Center for Biomedical Image Computing and Analytics, Philadelphia, Pennsylvania, February, 2016.

Grand Rounds Speaker, Dartmouth Medical School Department of Psychiatry, Hanover, New Hampshire, March, 2016.

Grand Rounds Speaker, University of Michigan Department of Psychiatry, Ann Arbor, Michigan, March, 2016.

Invited speaker, University of Pennsylvania Symposium New Directions in Treatment Selection, and Lessons from Past Successes and Failures, Philadelphia, June, 2016.

Invited Speaker, New York Academy of Sciences Symposium Advances in the Neurobiology of Mental Illness, New York, October, 2016.

Keynote Speaker, Johnson and Johnson Neuroscience Division Retreat, New Brunswick, New Jersey, October, 2017.

Invited Speaker, Lundbeck Pharmaceuticals Neuroscience Division, Copenhagen, Demark, November, 2017.

Sarnoff A. Mednick Memorial Colloquium Speaker, Department of Psychology, University of Southern California, Los Angeles, California, April, 2018.

Keynote Speaker, National Institute of Mental Health Alliance Partners Workshop, Bethesda, Maryland, October, 2018.

Grand Rounds Speaker, Department of Psychiatry, Mt Sinai School of Medicine, New York, New York, November 2018.

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, Massachussets.

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 Research in Psychopathology, 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.

Schizophrenia International Research Society, Florence, Italy, April, 2016.

Annual Meeting of the Society for Research in Psychopathology, Baltimore, Maryland, 2016.

International Congress on Schizophrenia Research, San Diego, California, April, 2017.

Annual Meeting of the Society for Research in Psychopathology, Boulder, Colorado, September, 2017.

Annual Meeting of the Schizophrenia International Research Society, Florence, Italy, April, 2018.

Annual Meeting of the American Psychiatric Association, New York, New York, May, 2018.

Annual Meeting of the European College of Neuropsychopharmacology, Barcelona, Spain, October, 2018.

Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, Florida, December, 2018.

PhD Students Supervised

Current

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
Rashina Seabury, Yale University, network analysis of functional connectivity
Michelle Worthington, Yale University, machine learning models of psychosis prediction
William Koller, Yale University, memory systems and reality monitoring

Previous

Rebecca Fortgang, PhD 2018, Yale University, mental effort and cognitive control in schizophrenia, now a postdoctoral fellow at Harvard University.
Amanda Zheutlin, PhD 2017, Yale University, genetics and neuropsychology of schizophrenia, now a postdoctoral fellow at Harvard University.
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 practicing psychologist in Los Angeles.
Amy Jimenez, PhD 2012, UCLA, functional activation and connectivity of emotional processing circuitry in twins discordant for schizophrenia and bipolar disorder, now a Psychologist at West Los Angeles Veteran's Administration
Zachary Moran, PhD 2011, UCLA, electrophysiology of multisensory integration in schizophrenia, now practicing psychologist in Madison, Wisconsin
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 research assistant professor at UCLA
Christopher Jetton, PhD 2009, UCLA, electrophysiological studies of phase resetting in schizophrenia, now a Psychologist at West Los Angeles Veteran's Administration
Tyler Lesh, PhD 2009, UCLA, functional activation and connectivity of emotion processing circuitry, now an Assistant Project Scientist, Department of Psychiatry, UC Davis
Katherine Karlsgodt, PhD 2008, UCLA, functional and structural brain connectivity and memory systems in schizophrenia, now an Assistant Professor, Department of Psychology, UCLA.
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 Professor, Santa Monica College
Lauren Ellman, PhD 2007, UCLA, neurodevelopmental risk factors for schizophrenia, now an Associate Professor, Department of Psychology, Temple University

- Jaqueline Horwitz Sanz, PhD 2007, functional neuroimaging and symptom dimensions of schizophrenia, now an Assistant Professor, Department of Psychiatry, George Washington University
- Tara Niendam, PhD 2006, UCLA, neuropsychology of psychosis prodrome, now an Associate Professor in Residence, 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 CEO of Prevention Communities LLC in Mesa, Arizona
- 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 Assistant Medical Professor, CUNY School of Medicine
- 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 a 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, Harvard 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 a practicing psychologist, Grayson & Associates, Birmingham, Alabama.
- Audrey Tyrka, PhD 1996, University of Pennsylvania, taxometric analyses of latent liability to schizophrenia, now a Professor, Department of Psychiatry and Human Behavior, Brown University
- Lisa Eyler, PhD 1996, University of Pennsylvania, functional neuroimaging of schizophrenia, now a Professor in Residence, Department of Psychiatry, UC San Diego

Postdoctoral Fellows Supervised

Current

- Rachael Grazioplene, Yale University, structural brain connectivity (diffusion imaging) in people with and at risk for schizophrenia.
- Hengyi Cao, Yale University, network analysis of resting state and task activated fMRI data in people with and at risk for schizophrenia.

Previous

- Kristen Haut, Yale University, activation and functional connectivity of memory systems across phases of illness in schizophrenia, now an Assistant Professor, Rush University Medical Center, Chicago.
- Sarah Jacobson McEwen, UCLA, functional connectivity in the psychosis prodrome, now a Research Psychologist, UCSD 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 Associate Professor, Department of Psychology, Northwestern University
Danielle Schlosser, UCLA, prediction and prevention of psychosis, now Director of Research, Mindspring.
Frank (Daqiang) Sun, UCLA, longitudinal neuroimaging of schizophrenia and at risk individuals, now a Staff Psychiatrist, West Los Angeles Veteran's Administration
Stephanie Meyer, UCLA, prediction and prevention of psychosis, now a practicing psychologist in 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 practicing psychiatrist in Clinton, Maryland
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)
Clinical Neuroscience (undergraduate lecture course)
Research Methods (core graduate course)
Fundamentals of Neuroscience (co-taught, graduate proseminar)

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)
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)

Yale University Service

2018-19

Faculty Resource Committee (FRC)
Central Campus Scanner Governance Committee
GSAS Committee on Regulations and Discipline
Graduate Program Advisory Committee, Department of Psychology

Search Committee (Open-Area), Department of Psychology

2017-18

Faculty Resource Committee (FRC)
Central Campus Scanner Governance Committee
GSAS Committee on Regulations and Discipline

2016-17

Acting Director of Graduate Studies, Department of Psychology (Fall term)
Faculty Resource Committee (FRC)
GSAS Committee on Regulations and Discipline (Spring term)
Field and Porter Prize Judge
Central Campus Scanner Governance Committee

2015-16

Humanities Tenure and Promotions Committee
Field and Porter Prize Judge
Department of Psychology Faculty Search Committee
Department of Psychology Graduate Program Committee

2014-15

Social Sciences Tenure and Promotions Committee
Department of Psychology Faculty Search Committee
Department of Psychology Graduate Program Committee