

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE  
Curriculum Vitae

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Theodore Daniel Satterthwaite, MD, MA

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If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:  
none (U.S. citizen)

Education:

2000	B.A.	Williams College (Psychology: Neuroscience)
2006	M.D.	Washington University in St. Louis (Medicine)
2006	M.A.	Washington University in St. Louis (Biology: Neuroscience)

Postgraduate Training and Fellowship Appointments:

2006-2010	Resident in Psychiatry, Hospital of the University of Pennsylvania, Department of Psychiatry, Philadelphia
2010-2012	Neuropsychiatry Fellow, Hospital of the University of Pennsylvania, Department of Psychiatry, Neuropsychiatry Section, Philadelphia

Military Service:  
[none]

Faculty Appointments:

2014-2020	Assistant Professor of Psychiatry, University of Pennsylvania School of Medicine
2020-2022	Associate Professor of Psychiatry, University of Pennsylvania School of Medicine
2023-present	McLure Associate Professor in Psychiatry & Behavioral Research II, University of Pennsylvania School of Medicine

Hospital and/or Administrative Appointments:

2011-Present	Attending Physician, Hospital of the University of Pennsylvania, Philadelphia
2015-2019	Director of Image Analysis, Center for Neuroimaging in Psychiatry, University of Pennsylvania Perelman School of Medicine
2020-Present	Director, Penn Lifespan Informatics and Neuroimaging Center (PennLINC)

Other Appointments:

2007-Present	Member, Center for Neuroimaging in Psychiatry, University
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2012-2014	of Pennsylvania Perelman School of Medicine Instructor, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine
2013-Present	Member, Center for Biomedical Computing and Image Analysis, University of Pennsylvania Perelman School of Medicine
2013-Present	Member, Center for Functional Neuroimaging, University of Pennsylvania Perelman School of Medicine
2013-Present	Member, Institute for Translational Medicine and Therapeutics, University of Pennsylvania Perelman School of Medicine
2014-Present	Member, Center for the Neuroscience of Depression and Stress, University of Pennsylvania Perelman School of Medicine
2014-Present	Member, Warren Center for Network and Data Science, University of Pennsylvania
2015-Present	Member, Neuroscience Graduate Group, University of Pennsylvania Perelman School of Medicine
2016-Present	Member, Bioengineering Graduate Group, University of Pennsylvania School of Applied Sciences and Engineering
2016-Present	Member, Center for Autism Research, Children's Hospital of Philadelphia
2016-Present	Member, Penn/CHOP Lifespan Brain Institute
2017-Present	Member, mindCORE, University of Pennsylvania

Specialty Certification:

2011	Diplomate, American Board of Psychiatry and Neurology
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Licensure:

2006	Pennsylvania
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Awards, Honors and Membership in Honorary Societies:

1999	Phi Beta Kappa, Williams College
2000	Magna Cum Laude, Williams College
2001-2006	Danforth Distinguished Scholar, Washington University in St. Louis School of Medicine
2002	Research Fellowship, Forum for International Health and Tropical Medicine, Washington University in St. Louis School of Medicine
2004	M.D./M.A. Research Fellowship, Washington University in St. Louis School of Medicine
2006	Hudgens Award for Research in Psychiatry, Washington University in St. Louis School of Medicine
2007	NIMH Clinical Research Scholars Program, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2008 "Penn Pearls" Award for Medical Student Education, University of Pennsylvania Perelman School of Medicine

2008 Schizophrenia Conference Travel Award, Department of Psychiatry, University of Pittsburgh

2008 Neuroleptic Malignant Syndrome Information Service New Investigator Award

2008 Health Emotion Institute Travel Award, University of Wisconsin

2008 Janssen Research Scholar, American Psychiatric Institute for Research and Education

2009 Junior Investigator Travel Award, Society of Biological Psychiatry

2009 Eli Lilly Resident Research Award, American Psychiatric Association

2009 Junior Investigator Colloquium Travel Award, American Psychiatric Association

2010 Lilly Research Fellowship, American Psychiatric Institute for Research and Education

2010 Laughlin Award, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2011 NARSAD Young Investigator Award

2013 Young Investigator Travel Award, American College of Neuropsychopharmacology

2013 Albert Stunkard Faculty Recognition Award for Clinical Education, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2014 Klerman Prize for Translational Research, Brain and Behavior Research Foundation

2014 Albert Stunkard Faculty Recognition Award for Clinical Education, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2014 Outpatient Attending Teaching Award, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2015 Biobehavioral Research Award for Innovative New Scientists (BRAINS), National Institute of Mental Health

2016 Martin P. Szuba Award for Excellence in Teaching and Research, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2017 Albert Stunkard Faculty Recognition Award for Clinical Education, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine

2018 Dean's Award for Excellence in Basic Science Teaching, University of Pennsylvania Perelman School of Medicine

2021 NIH MERIT Award, National Institute of Mental Health

Memberships in Professional and Scientific Societies and Other Professional Activities:International:

2013-Present	Organization for Human Brain Mapping
2015-2019	Center for Addiction and Mental Health, Sleight Center for Youth in Transition (External Grant Reviewer)
2016	PSI Foundation (External Grant Reviewer)
2019-Present	Toronto Adolescent & Youth CAMH Cohort Study (External Advisory Board)
2020	Natural Sciences and Engineering Research Council of Canada external grant reviewer
2022-Present	Ludmer Center for Neuroinformatics, McGill University, Montreal, Canada (External Scientific Advisory Board)

National:

2014-Present	Society for Neuroscience
2015-2018	Loan Repayment Program Grant Reviewer, National Institute of Health
2015-Present	Society of Biological Psychiatry (Associate Program Chair 2020-2021)
2016	Research Domain Criteria Project Grant (R01) Special Emphasis Panel, National Institute of Mental Health
2017-Present	American College of Neuropsychopharmacology (Associate Member, Program Committee member 2018-2020)
2017	Biobehavioral Research Awards for Innovative New Scientists (BRAINS R01) Special Emphasis Panel, National Institute of Mental Health
2017-Present	Human Connectome Project (External Scientific Advisory Committee, Lifespan Studies)
2017-Present	Silvio O. Conte Centers for Basic Neuroscience or Translational Mental Health Research (P50) Special Emphasis Panel, National Institute of Mental Health (Committee member: 2017, 2018, 2021, and 2022)
2018	Child Psychopathology and Developmental Disabilities (CPDD) Study Section, National Institute of Mental Health (Ad hoc member)
2019	K99/R00 "Pathway to Independence" Special Emphasis Panel, National Institute of Mental Health

- 2020 Biobehavioral Research Awards for Innovative New Scientists (BRAINS R01) Special Emphasis Panel, National Institute of Mental Health
- 2020 K99/R00 "Pathway to Independence" Special Emphasis Panel, National Institute of Mental Health

Editorial Positions:

- 2009-Present Ad-hoc reviewer, Journal of Neuroscience
- 2010-Present Ad-hoc reviewer, Biological Psychiatry
- 2010-Present Ad-hoc reviewer, Brain and Cognition
- 2010-Present Ad-hoc reviewer, NeuroImage
- 2010-Present Ad-hoc reviewer, Journal of Clinical Psychiatry
- 2010-Present Ad-hoc reviewer, Psychopharmacology
- 2011-Present Ad-hoc reviewer, Molecular Psychiatry
- 2012-Present Ad-hoc reviewer, Journal of the American Academy of Child and Adolescent Psychiatry
- 2012-Present Ad-hoc reviewer, JAMA Psychiatry
- 2013-Present Ad-hoc reviewer, Brain Connectivity
- 2013-Present Ad-hoc reviewer, Human Brain Mapping
- 2014-Present Ad-hoc reviewer, American Journal of Psychiatry
- 2014-Present Ad-hoc reviewer, Proceedings of the National Academy of Sciences
- 2014-Present Ad-hoc reviewer, Neuron
- 2014-Present Ad-hoc reviewer, Cerebral Cortex
- 2015-Present Ad-hoc reviewer, Neuropsychopharmacology
- 2015-Present Ad-hoc reviewer, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
- 2015-Present Ad-hoc reviewer, Developmental Cognitive Neuroscience
- 2016-Present Ad-hoc reviewer, Nature Communications
- 2016-Present Ad-hoc reviewer, Cell Reports
- 2016-Present Ad-hoc reviewer, Current Opinion in Behavioral Sciences
- 2017-Present Ad-hoc reviewer, eLife
- 2018-Present Ad-hoc reviewer, PLOS Biology
- 2019-2020 Guest Editor, Biological Psychiatry
- 2019-2020 Guest editor, eLife
- 2019-Present Ad-hoc reviewer, Trends in Cognitive Science
- 2020-2021 Guest Editor, Developmental Cognitive Neuroscience
- 2020-Present Ad hoc reviewer, Frontiers in Neuroinformatics
- 2020-Present Ad hoc reviewer, Science Advances
- 2021-Present Ad hoc reviewer, Biological Psychiatry: Global Open Science
- 2021-Present Ad hoc reviewer, Scientific Data
- 2022-Present Ad hoc reviewer, Nature Neuroscience
- 2022-Present Editorial board, Developmental Cognitive Neuroscience

Academic and Institutional Committees:

- 2015-2020 Neuroscience Graduate Group Admissions Committee, University of

	Pennsylvania
2015	Building Interdisciplinary Research Careers in Women's Health (BIRCIWH) Grant Reviewer, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine
2015-2017	Rotation Presentation Committee, Neuroscience Graduate Group, University of Pennsylvania School of Medicine
2015-2020	Psychiatric and Developmental Imaging Seminar Series (weekly seminar; series organizer)
2015-2022	Data safety monitoring board for "The effects of ondansetron on neural systems and symptoms associated with sensory phenomena," R21/R33, PI: Emily Stern, Ph.D. (Icahn School of Medicine at Mount Sinai)
2017-Present	Center for Advanced MRI & Spectroscopy Safety Committee, Department of Radiology, University of Pennsylvania Perelman School of Medicine
2017-2020	MindCORE Seminar Series Organizing Committee (Chair 2018-2019), Department of Psychology, University of Pennsylvania
2018	Impact Strategic Planning Committee, Department of Psychiatry, University of Pennsylvania Perelman School of Medicine
2018-Present	Steering committee member, Penn/CHOP Lifespan Brain Institute
2018-Present	Steering committee member, CUBIC biomedical image analysis cluster, Department of Radiology, University of Pennsylvania Perelman School of Medicine
2018-2019	Faculty search committee member, Department of Child and Adolescent Psychiatry and Behavioral Sciences, Children's Hospital of Philadelphia
2019-Present	Steering committee member, Educating Physician Scientists in Psychiatry (NIH R25)
2020-Present	Steering committee member, Biomedical Postdoctoral Programs, University of Pennsylvania Perelman School of Medicine
2020-Present	Steering committee member, BrainSTIM center, University of Pennsylvania Perelman School of Medicine
2021-Present	Steering committee member, AI2D: Center For AI And Data Science For Integrated Diagnostics, University of Pennsylvania Perelman School of Medicine
2022-Present	Department of Radiology Research IT Infrastructure Initiative Working Group

Major Academic and Clinical Teaching Responsibilities:

2008-2009	"Practical psychopharmacology" - MS2/3 Psychiatry Clerkship Psychopharmacology Course (weekly)
2008-2009	Small group preceptor - MS1 Introduction to Interviewing Seminar (6 sessions)
2008-2009	Small group preceptor - MS1 Brain & Behavior Course (6 sessions)
2009-Present	"Data-driven antipsychotic prescribing" - Psychiatry PGY2 Psychosis Module

2009	"Cortico-limbic interactions in schizophrenia" - Neuropsychology Seminar Series, Department of Psychiatry
2009-2020	"Practical pharmacology for bipolar disorder" - MS2/3 Psychiatry Clerkship
2010	"Inter-related affective and cognitive dysfunction in schizophrenia" - Department of Psychiatry Grand Rounds
2011-2017	"Introduction to psychiatric neuroimaging" - Psychiatry PGY1 Clinical Neuroscience Course
2011-2017	"Neuroimaging as a tool for translational research in psychiatry" - Psychiatry PGY4 Advanced Neuroscience Course
2011-Present	Outpatient psychiatry clinic teaching attending (4 hours/week)
2011	"Neuroimaging-genomics: Challenges and opportunities" - Neuropsychology Seminar, Department of Psychiatry
2013	"Charting brain development with neuroimaging: The Philadelphia neurodevelopmental cohort" - Department of Radiology Grand Rounds
2013	"Motion artifact in resting state functional connectivity: Discovery, damage control, and implications for developmental neuroimaging" - Center for Autism Research, Children's Hospital of Philadelphia
2013-2016	Bioengineering PhD thesis committee for Harini Eavani
2013	Neuroscience rotation advisor for Stathis Gennatas
2013-2017	Undergraduate research mentor for Lauren Beard
2014	"Charting normal and abnormal brain development using multimodal MRI" - Neuropsychiatry Seminar, Department of Psychiatry
2014	Neuroscience rotation advisor for Sheila Shanmugan
2014-2017	Psychology PhD thesis advisor for Marieta Pehlivanova
2014-2018	Undergraduate research mentor for Mack Finkel
2015	"Brain development in health and disease" - Center for the Study and Treatment of Anxiety, Department of Psychiatry
2015	"Neurodevelopmental abnormalities in youth with psychosis spectrum symptoms: Evidence from multi-modal neuroimaging" - Dowshen Neuroscience Seminar, Department of Psychiatry
2015	"What can brain development teach us about psychopathology?" - Department of Child and Adolescent Psychiatry and Behavioral Sciences, Children's Hospital of Philadelphia
2015-2018	Post-doctoral fellowship advisor for Anup Sharma MD, PhD
2015-2019	Neuroscience PhD thesis advisor for Graham Baum
2015-2017	Neonatology fellowship research mentor for Rula Nassar, MD
2015-2019	Post-doctoral fellowship advisor for Antonia Kaczurkin, PhD
2015-2018	Neuroscience PhD thesis committee member for Sheila Shanmugan
2015	Neuroscience PhD candidacy exam committee for Ari Kahn
2015-2018	"Signal and noise: Relevance of data quality for network neuroscience" - BE 566: Network Science, Department of Bioengineering, School of Applied Sciences and Engineering
2015	External thesis MSc committee member for Tina Behdinan,

- University of Toronto
- 2015 "Biological models of psychiatric illness" - PSYCH 600: Psychopathology, Department of Psychology, School of Arts and Sciences
- 2016 "Linking abnormal brain development to psychopathology using neuroimaging" - Department of Psychiatry Grand Rounds
- 2016 "Sex differences in brain development: Relevance for psychopathology in youth" - Building Interdisciplinary Careers in Women's Health Seminar Series, Department of Psychiatry
- 2016 "Linking changes in the developing brain to emerging psychopathology in youth" - Department of Child and Adolescent Psychiatry and Behavioral Sciences Grand Rounds, Children's Hospital of Philadelphia
- 2016-2019 Neuroscience PhD thesis advisor for Cedric Xia (MSTP)
- 2016-2017 Post-doctoral fellowship advisor for Shi Gu, PhD
- 2016 Neuroscience PhD candidacy exam committee for Opey Alabi
- 2016 Bioengineering PhD candidacy exam committee for Andrew Murphy
- 2016-2018 "Career opportunities in psychiatry research" - Summer Medical Immersion Program for Undergraduates
- 2016-2018 Psychology PhD thesis co-advisor for Leonie Loffler (at RWTH Aachen, through the German International Research Training Group)
- 2016-2018 Psychology PhD thesis committee member for Melisa Felek (at RWTH Aachen, through the German International Research Training Group)
- 2016 "Understanding psychopathology using neuroimaging of brain development" - Philadelphia Veterans Affairs Medical Center Behavioral Health Grand Rounds
- 2016-2018 Biostatistics PhD thesis committee for Simon Vandekar
- 2016-2017 Biostatistics MS thesis committee for Alessandra Valcarel
- 2016 "Brain network development in adolescence: Relevance for cognition & psychiatric disorders" - Clinical Neurosciences Training Program Seminar Series
- 2016 "Charting normal and abnormal brain development using multi-modal neuroimaging" - Department of Neurology
- 2016 Neuroscience rotation advisor for Jared Zimmerman
- 2016-2017 Undergraduate research mentor for Anna Thompson
- 2017-2018 "Data quality and motion artifact in neuroimaging" - BSTA 7510: Statistical Methods for Neuroimaging, Department of Biostatistics and Epidemiology
- 2017 Neuroscience PhD candidacy exam committee for Alice Dallstream
- 2017-2018 "Career development awards for biomedical imaging scientists" - Center for Biomedical Image Computing and Analysis, Department of Radiology
- 2017-2018 Mock study section for biomedical imaging - Center for Biomedical



2017	Image Computing and Analysis, Department of Radiology External thesis MSc committee member for Saba Shabab, University of Toronto
2017	"Understanding psychopathology through studies of brain network development" - NIMH Director's Symposium on Psychosis and 22Q, Department of Psychiatry
2017	"Development of executive function in youth" - PSYC 149: Introduction to Cognitive Neuroscience, Department of Psychology, School of Arts and Sciences
2017-2020	"Introduction to functional MRI" - MTR 601: Measurements in Imaging
2017	"The importance of data quality in neuroimaging studies" - Translational Neuroscience Lecture Series, Department of Psychiatry
2017	"Neuroimaging as a tool to chart normal and abnormal brain development" - Penn/CHOP Lifespan Brain Institute Research Symposium
2017-2021	Post-doctoral fellowship advisor for Zaixu Cui, PhD
2017-2020	Neuroscience PhD thesis committee chair for Harrison McAdams
2017	Neuroscience rotation advisor for Adam Pines
2017-2018	Post-baccalaureate / PennPREP research mentor for Robert Jirsaraie
2017-2019	Psychiatry research track mentor for Erica Baller, MD
2017-Present	"Neuroimaging as a tool for translational research in psychiatry" - Psychiatry PGY2 Translational Neuroscience Course
2018	"Using multi-modal neuroimaging to parse psychiatric diagnostic categories" - Outpatient Psychiatry Clinic
2018	Neuroscience rotation advisor for Dale Zhou
2018	"Brain imaging in psychiatry" - MS1 Brain & Behavior Course
2018	"Dimensional, trans-diagnostic studies of psychopathology using multi-modal neuroimaging" - Center for Weight and Eating Disorders, Department of Psychiatry
2018	"Best research practices: Managing multiple projects and collaborations" - Successful Careers in Psychological Sciences Discussion Series, mindCORE, Department of Psychology, School of Arts and Sciences
2018	Bioengineering candidacy exam committee for Chenying Zhao
2018-Present	Faculty mentorship committee for C. Alix Timko (Department of Psychiatry)
2018-2019	Department of Psychiatry faculty mentoring committee for Liisa Hantsoo, PhD
2018-Present	Neuroscience PhD thesis co-advisor for Dale Zhou
2018	Neuroscience rotation advisor for Kara McGaughey
2018-2022	Neuroscience PhD thesis advisor for Adam Pines
2018-2022	Psychiatry research track mentor for Sheila Shanmugan, MD, PhD
2018-2020	Psychology PhD thesis committee for Sarah Clark at Georgia State University

2018-2020	Post-doctoral fellowship advisor for Azeez Adebimpe, PhD
2018-Present	Post-doctoral fellowship advisor for Bart Larsen, PhD
2019-2022	Neuroscience PhD thesis committee chair for Ursula Tooley
2019-2021	Psychology PhD thesis committee for Lisa Yankowitz
2019	"Open and reproducible neuroscience" - UPenn Library Science
2019-Present	Neuroscience PhD thesis advisor for Valerie Sydnor
2019-2020	Biostatistics masters thesis co-advisor for Melissa Martin
2019-2022	Post-doctoral fellowship co-advisor for Linden Parkes, PhD
2020	Bioengineering PhD thesis committee chair for Divya Jain
2020	Neuroscience PhD candidacy exam committee chair for Panagiotis Fotiadis
2020	Organization of Human Brain Mapping Student / Post-Doc Special Interest Group Invited Mentor
2020-Present	Biostatistics PhD thesis committee for Andrew Chen
2020-Present	Biostatistics PhD thesis committee for Sarah Weinstein
2020-Present	Biostatistics PhD thesis committee for Danni Tu
2020	"Recent progress in large scale studies of brain development for psychiatry" - Psychosis and development section meeting
2020	"Brain network development in youth: relevance for psychopathology" - Center for Neuroengineering and Therapeutics
2020	Bioengineering PhD candidacy exam committee for Lasya Sreepada
2020-Present	Bioengineering PhD thesis committee for Christopher Olm
2020-2022	Bioengineering PhD thesis committee for Dushyant Sahoo
2020-Present	Post-doctoral fellowship advisor for Erica Baller, MD
2020-2022	Post-doctoral fellowship advisor for Jacob Vogel, PhD
2020	"Data quality and motion artifact in neuroimaging" - BSTA 7510: Statistical Methods for Neuroimaging, Department of Biostatistics and Epidemiology
2021	Bioengineering rotation advisor for Chenying Zhao
2021-Present	Biostatistics PhD thesis committee for Benny Ren
2021	Bioengineering PhD candidacy exam committee for Tianjia Zhu
2021-Present	Faculty mentorship committee for Jennifer Goldschmied (Department of Psychiatry)
2021-Present	Faculty mentorship committee for Jeff Phillips (Department of Neurology)
2021-Present	Research-track resident mentorship committee for Robert Seilheimer (Department of Psychiatry)
2021-Present	Faculty mentorship committee for Jason Jones (Department of Psychiatry)
2021-Present	Post-doctoral fellowship advisor for Arielle Keller, PhD
2021-Present	Neuroscience PhD thesis advisor for Audrey Luo (MSTP)
2021-Present	Bioengineering PhD thesis advisor for Chenying Zhao
2021	Neuroscience rotation advisor for Margaret Gardner
2021	Neuroscience rotation advisor for Margaret Pecsock
2021-Present	Bioengineering masters research advisor for Nob Premrudeepreechacharn

2022	Biostatistics PhD candidacy exam committee for Christina Chen
2022-Present	Bioengineering PhD thesis committee for Adam Rayfield
2022-Present	Faculty mentorship committee for Heather Nuske (Department of Psychiatry)
2022-Present	Bioengineering PhD thesis committee for Tianjia Zhu
2022	"Development of the association cortices in youth" - Keynote Speaker for Social, Cognitive, and Affective, Neuroscience certificate program annual retreat, Department of Psychology
2022-Present	Post-doctoral fellowship advisor for Sheila Shanmugan MD, PhD
2022	Neuroscience rotation advisor for Joelle Bagautdinova
2022-Present	Post-doctoral fellowship advisor for Hamsi Radhakrishnan, PhD
2022	Neuroscience rotation advisor for Kevin Sun
2022	Bioengineering PhD qualifying exam committee for Alfredo Lucas
2022-Present	Post-doctoral fellowship advisor for Taylor Salo, PhD
2022-Present	Post-doctoral fellowship advisor for Golia Shafiei, PhD
2022-Present	Neuroscience PhD thesis advisor for Joelle Bagautdinova
2022-Present	Biostatistics PhD thesis committee for Fengling Hu
2022	"Data quality and motion artifact in neuroimaging" - BSTA 7510: Statistical Methods for Neuroimaging, Department of Biostatistics and Epidemiology
2023	Neuroscience PhD candidacy exam chair for Margaret Gardner
2023	Faculty mentorship committee for Greg Corder (Department of Psychiatry)
2023	Neuroscience rotation advisor for Sabina London
2023-Present	Neuroscience PhD thesis committee for Alfredo Lucas
2023	"Translational biological psychiatry" - PSYC 7090 Special Topics in Clinical Psychology, Department of Psychology

Lectures by Invitation (Last 5 years):

Feb, 2018	"Understanding and accounting for the impact of data quality in studies of functional connectivity" - Department of Psychology, University of Miami, Miami, Florida
Feb, 2018	"Mapping abnormalities of brain network development to dimensions of psychopathology" - Department of Psychology, University of Miami, Miami, Florida
Mar, 2018	"Normal brain network development and abnormalities associated with psychopathology in youth" - Whistler Scientific Workshop on Brain Functional Organization, Connectivity, and Behavior, Whistler, Canada
Mar, 2018	"Brain networks in adolescence: Normative development and associations with psychopathology" - Department of Child Psychiatry Grand Rounds, New York University Langone School of Medicine, New York, New York
May, 2018	"Mapping heterogeneity across the lifespan using machine learning and multi-modal imaging" - Society of Biological Psychiatry, New York, New York

- May, 2018 "Development of brain modules and abnormalities associated with psychopathology" - Flux Congress Satellite, Chapel Hill, North Carolina
- Sep, 2018 "Understanding heterogeneity in developmental psychopathology with multi-modal neuroimaging" - Department of Psychiatry Grand Rounds, Duke University, Durham, North Carolina
- Dec, 2018 "Using machine learning to discover networks associated with dimensions of psychopathology in youth" - American College of Neuropsychopharmacology, Hollywood, Florida
- Jan, 2019 "Developing brain networks: Advances, challenges, and relevance for psychiatry" - Neuroimaging Seminar Series, Washington University in St Louis, St. Louis, MO
- Feb, 2019 "Multi-modal brain growth charts" - Center for Imaging Science Seminar Series, Johns Hopkins University
- Apr, 2019 "Using multi-modal imaging to understand brain development" - Department of Neurology Grand Rounds, Montreal Neurological Institute, Montreal, Canada
- Apr, 2019 "Developing brain networks: relevance for psychiatry" - Killian Seminar, Montreal Neurological Institute, Montreal, Canada
- Jun, 2019 "Integrating complex data to study brain development" - Organization of Human Brain Mapping, Rome, Italy
- Sep, 2019 "Charting the development of personalized brain networks in adolescence" - National Academies of Sciences, Engineering, and Medicine, Washington, D.C.
- Oct, 2019 "Multi-modal imaging of brain development patterns associated with psychopathology" - National Neuroimaging Meeting, Centro de Investigación en Matemáticas, Guanajuato, Mexico
- Oct, 2019 "Motion artifact in functional connectivity" - National Neuroimaging Meeting, Centro de Investigación en Matemáticas, Guanajuato, Mexico
- Oct, 2019 "Normal and abnormal brain development in youth: Evidence from multi-modal imaging" - Cornell University Institute for Developmental Psychobiology, New York, New York
- Oct, 2019 " Opportunities and challenges in large-scale imaging studies of brain development" - Science and Technology Seminar Series, Duke University, Durham, North Carolina
- Feb, 2020 "Understanding Brain Network Development and Disruptions Across Psychiatric Disorders" - University of California, Irvine
- Jun, 2020 "Development of personalized association networks in youth" - NIH Brain Initiative Annual Meeting
- Aug, 2020 "Large scale studies of brain development and psychopathology" - C3N Seminar Series, Columbia University Departments of Psychiatry and Neuroscience
- Sep, 2020 "Large-scale studies of Brain Development in Youth: Opportunities and Challenges" - Martinos Center for Biomedical Imaging, Harvard University

- Dec, 2020 "Development of the Association Cortices" - Nathan Kline Institute for Psychiatric Research, Orangeburg, New York
- Jan, 2021 "Individual Variation in Functional Topography of Association Networks in Youth" - Nash Family Center for Advanced Circuit Therapeutics, Icahn School of Medicine at Mount Sinai
- Feb, 2021 "Charting brain development in youth with multi-modal imaging" - Neuroscience and Cognitive Science Colloquium, University of Maryland
- Feb, 2021 "Understanding psychiatric heterogeneity with neuroimaging and machine learning" - Frank Shobe Honorary Lecture, Department of Psychiatry Grand Rounds, Washington University in St. Louis
- Apr, 2021 "Large scale studies of the developing brain" - Center for Brain, Behavior, and Cognition, Penn State University
- Apr, 2021 "Challenges and Opportunities for Understanding Psychopathology with Large-Scale Studies of Brain Development" - Department of Psychiatry Grand Rounds, Renaissance School of Medicine at Stony Brook University
- Jun, 2021 "Development of Association Cortices: \_Normative Patterns and Implications for Psychopathology" - Keynote Lecture, Annual Meeting of the Organization of Human Brain Mapping
- Oct, 2021 "Understanding the Development of Executive Function in Youth" - Center for Vital Longevity, University of Texas, Dallas
- Nov, 2021 "Mapping the Developing Brain to Understand Psychopathology in Youth" - Department of Psychiatry Grand Rounds, Beth Israel Deaconess Medical Center
- Nov, 2021 "Mapping the Protracted Development of Association Cortices in Youth" - Annual Magnetic Resonance Imaging Symposium, Centre for Translational MR Research, Yong Loo Lin School of Medicine, National University of Singapore
- Dec, 2021 "Understanding Irritability with Machine Learning and Large-scale Neuroimaging" - American College of Neuropsychopharmacology, San Juan, Puerto Rico
- Jan, 2022 "Understanding Borderline Personality Disorder Using Large-Scale Neuroimaging Studies" - AE Foundation, Philadelphia, PA
- Jan, 2022 "Scalable Studies of Individual-specific Behavior Using Mobile Phenotyping" - Functional Neuroimaging & Bioinformatics Lab, Department of Psychiatry, Harvard University
- Jan, 2022 "Reproducible Processing of fMRI data" - ABCD Analytics Group, University California, San Diego
- Feb, 2022 "Mapping the Development of Association Cortices to Understand Psychopathology in Youth" - EJ Brady Honorary Lecture, Department of Psychiatry Grand Rounds, University of Colorado
- May, 2022 "Methods and Data Resources for Reproducible Large-Scale Studies of the Developing Brain" - ReproNim Center for Reproducible Neuroimaging Computation, University of Massachusetts & Massachusetts Institute of Technology

- May, 2022 "Using Personalized Functional Networks to Understand Development and Psychopathology in Youth" - Annual O'Donnell Jr. Brain Institute Symposium: Frontiers of Neuromodulation, Peter O'Donnell Jr. Brain Institute, UT Southwestern Medical Center
- May, 2022 "Biomarker Potential of fMRI for Trials of Psychedelics: Methodological and Interpretive Considerations" - Annual Psychedelic Therapeutics and Drug Development Conference, Washington, DC
- Sep, 2022 "Understanding Brain Development via Brain Organization" - Centre for the Developing Brain, Kings College, London, United Kingdom
- Oct, 2022 "Protracted Development of Association Cortices in Youth" - Department of Psychology Seminar Series, University of Michigan

Organizing Roles in Scientific Meetings:

- Jun, 2016 Session Chair: "Big Data for Studies of Brain Development," Annual Meeting of the Organization of Human Brain Mapping Geneva, Switzerland
- Sep, 2016 Scientific Advisory Board, Flux Congress St. Louis, Missouri
- Sep, 2016 Session Chair: "The ABCD Study," Flux Congress St. Louis, Missouri
- Jun, 2017 Session Chair: "Lifespan Brain Imaging Studies," Annual Meeting of the Organization of Human Brain Mapping Vancouver, Canada
- Jun, 2018 Discussant: "Current challenges in imaging statistics," Statistical Methods in Imaging Philadelphia, Pennsylvania
- Dec, 2018 Program Committee, Annual Meeting of the American College of Neuropsychopharmacology Hollywood, Florida
- Dec, 2019 Program Committee, Annual Meeting of the American College of Neuropsychopharmacology Orlando, Florida
- Sep, 2020 Program Committee, Flux Developmental Cognitive Neuroscience Congress  
Virtual due to COVID-19
- Sep, 2020 Session Chair: "Advances in Analytics for Developmental Neuroscience," Flux Developmental Cognitive Neuroscience Congress  
Virtual due to COVID-19
- Sep, 2020 Breakout session moderator, NIH Blueprint for Neuroscience Research: Addressing Neuroimaging Challenges Across Populations and Settings Workshop  
Virtual due to COVID-19
- Apr, 2021 Associate Program Chair, Annual Meeting of the Society of

	Biological Psychiatry Virtual Due to COVID 19
Dec, 2021	Program Committee, Annual Meeting of the American College of Neuropsychopharmacology San Juan, Puerto Rico
Apr, 2022	Program Committee, Annual Meeting of the Society of Biological Psychiatry New Orleans, Louisiana
Apr, 2023	Program Committee, Annual Meeting of the Society of Biological Psychiatry San Diego, California

Bibliography:Research Publications, peer reviewed (print or other media):

1. Satterthwaite TD, Green L, Myerson J, Parker J, Ramaratnam M, Buckner RL: Dissociable but inter-related systems of cognitive control and reward during decision making: Evidence from pupillometry and event-related fMRI. NeuroImage 37(3): 1017-31, Sep 2007.
2. Satterthwaite TD, Wolf DH, Rosenheck RA, Gur RE, Caroff SN: A meta-analysis of the risk of acute extrapyramidal symptoms with intramuscular antipsychotics for the treatment of agitation. The Journal of Clinical Psychiatry 69(12): 1869-79, Dec 2008.
3. Satterthwaite TD, Wolf DH, Gur RC, Ruparel K, Valdez JN, Gur RE, Loughead J: Frontolimbic responses to emotional face memory: The neural correlates of first impressions. Human Brain Mapping 30(11): 3748-58, Nov 2009.
4. Satterthwaite TD, Wolf DH, Loughead J, Ruparel K, Valdez JN, Siegel SJ, Kohler CG, Gur RE, Gur RC: Association of enhanced limbic response to threat with decreased cortical facial recognition memory response in schizophrenia. The American Journal of Psychiatry 167(4): 418-26, Apr 2010.
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18. Ching CRK, Hibar DP, Gurholt TP, Nunes A, Thomopoulos SI, Abé C, Agartz I, Brouwer RM, Cannon DM, de Zwarte SMC, Eyer LT, Favre P, Hajek T, Haukvik UK, Houenou J, Landén M, Lett TA, McDonald C, Nabulsi L, Patel Y, Pauling ME, Paus T, Radua J, Soeiro-de-Souza MG, Tronchin G, van Haren NEM, Vieta E, Walter H, Zeng LL, Alda M, Almeida J, Alnaes D, Alonso-Lana S, Altimus C, Bauer M, Baune BT, Bearden CE, Bellani M, Benedetti F, Berk M, Bilderbeck AC, Blumberg HP, Bøen E, Bollettini I, Del Mar Bonnin C, Brambilla P, Canales-Rodríguez EJ, Caseras X, Dandash O, Dannlowski U, Delvecchio G, Díaz-Zuluaga AM, Dima D, Duchesnay É, Elvsåshagen T, Fears SC, Frangou S, Fullerton JM, Glahn DC, Goikolea JM, Green MJ, Grotegerd D, Gruber O, Haarman BCM, Henry C, Howells FM, Ives-Deliperi V, Jansen A, Kircher TTT, Knöchel C, Kramer B, Lafer B, López-Jaramillo C, Machado-Vieira R, MacIntosh BJ, Melloni EMT, Mitchell PB, Nenadic I, Nery F, Nugent AC, Oertel V, Ophoff RA, Ota M, Overs BJ, Pham DL, Phillips ML, Pineda-Zapata JA, Poletti S, Polosan M, Pomarol-Clotet E, Pouchon A, Quidé Y, Rive MM, Roberts G, Ruhe HG, Salvador R, Sarró S, Satterthwaite TD, Schene AH, Sim K, et al.: What we learn about bipolar disorder from large-scale neuroimaging: Findings and future directions from the ENIGMA Bipolar Disorder Working Group. Human Brain Mapping 43(1): 56-82, Jan 2022.
19. Kimmey B, McCall N, Wooldridge L, Satterthwaite TD, Corder G: Engaging endogenous opioid circuits in pain affective processes Journal of Neuroscience Research 100(1): 66-98, Jan 2022.
20. Zugman A, Harrewijn A, Cardinale EM, Zwiebel H, Freitag GF, Werwath KE, Bas-Hoogendam JM, Groenewold NA, Aghajani M, Hilbert K, Cardoner N, Porta-Casteràs D, Gosnell S, Salas R, Blair KS, Blair JR, Hammoud MZ, Milad M, Burkhouse K, Phan KL, Schroeder HK, Strawn JR, Beesdo-Baum K, Thomopoulos SI, Grabe HJ, Van der Auwera S, Wittfeld K, Nielsen JA, Buckner R, Smoller JW, Mwangi B, Soares JC, Wu MJ, Zunta-Soares GB, Jackowski AP, Pan PM, Salum GA, Assaf M, Diefenbach GJ, Brambilla P, Maggioni E, Hofmann D, Straube T, Andreescu C, Berta R, Tamburo E, Price R, Manfro GG,

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21. Dworkin RH, Anderson BT, Andrews N, Edwards RR, Grob CS, Ross S, Satterthwaite TD, Strain EC.: If the doors of perception were cleansed, would chronic pain be relieved? Evaluating the benefits and risks of psychedelics. J Pain May 2022.
22. Sydnor VJ, Satterthwaite TD: Neuroimaging of plasticity mechanisms in the human brain: from critical periods to psychiatric conditions. Neuropsychopharmacology August 2022.
23. Keller AS, Sydnor VJ, Pines A, Fair DA, Bassett DS, Satterthwaite TD.: Hierarchical functional system development supports executive function. Trends Cogn Sci 2023.

Contributions to peer-reviewed research publications, participation cited but not by authorship:

1. Vincent JL, Snyder AZ, Fox MD, Shannon BJ, Andrews JR, Raichle ME, Buckner RL: Coherent spontaneous activity identifies a hippocampal-parietal memory network. Journal of Neurophysiology 96(6): 3517-31, Dec 2006.
2. Patel AX, Kundu P, Rubinov M, Jones PS, Vértes PE, Ersche KD, Suckling J, Bullmore ET: A wavelet method for modeling and despiking motion artifacts from resting-state fMRI time series. NeuroImage 95: 287-304, Jul 2014.

Research Publications, non-peer reviewed:

[none]

Abstracts (Last 3 years):

[none]

Editorials, Reviews, Chapters, including participation in committee reports (print or other media):

1. Satterthwaite TD & Davatzikos C: Towards an individualized delineation of functional neuroanatomy. Neuron 87(3): 471-3, Aug 2015.
2. Satterthwaite TD, Xia CH, Bassett DS: Personalized neuroscience: Common and individual-specific features in functional brain networks. Neuron 98(2): 243-44,

Apr 2018.

3. National Academies of Sciences, Engineering, and Medicine: Brain Health Across the Life Span: Proceedings of a Workshop. The National Academies Press 2020.
4. Davatzikos C, Satterthwaite TD: Commentary to "Translational machine learning for child and adolescent psychiatry" J Child Psychol Psychiatry 63(4): 444-446, Apr 2022.

Books:

[none]

Alternative Media:

1. Garcia de la Garza A, Vandekar S, Roalf DR, Ruparel K, Gur RC, Gur RE, Satterthwaite TD, Shinohara RT: Voxelwise analysis of NIfTI data. CRAN R package 2016.

Patents:

[none]

**PAST GRANT SUPPORT**

NAME: Theodore Daniel Satterthwaite, MD, MA

DEPARTMENT: Psychiatry

DATE: 02/26/2023

<u>Name of Grant</u>	<u>Period of Award</u>	<u>Grant Category*</u>	<u>Role in Grant**</u>	<u>% Effort</u>	<u>Funding Source</u>	<u>Current Annual Direct Cost</u>	<u>Additional Comments***</u>
1. F31MH123063 - Personalized mapping of affective instability	06/16/2021 - 08/16/2022	FG	Mentor	0	National Institute of Mental Health	\$45,520.00	Primary mentor
2. L30MH124102-01 - Sex differences in functional network topography and externalizing symptoms	07/01/2020 - 06/30/2022	FG	Mentor	0	National Institute of Mental Health	\$48,102.00	Primary mentor, NIH Loan Repayment Program
3. - Reproducible informatics for diffusion and perfusion imaging	01/01/2020 - 07/01/2020	PG	PI	0	Center for Biomedical Image Computing and Analytics	\$30,000.00	
4. R01MH113550S - Diversity supplement to study the development of networks supporting executive function in youth	06/01/2019 - 05/30/2020	FG	PI	0	National Institute of Mental Health	\$50,000.00	
5. NSF GRFP - Neuroimaging the gut-brain axis: Development of executive functioning in adolescence	05/01/2019 - 04/30/2022	FG	Mentor	0	National Science Foundation	\$48,833.00	Primary mentor for NSF Graduate Research Fellowship
6. - Reducing delay discounting and selfishness with excitatory transcranial magnetic stimulation of the temporoparietal junction	04/01/2019 - 06/30/2021	PG	Co-I	5	AE Foundation	\$765,386.00	
7. CHIR396349 - Dynamic phenotyping of pathologic mood instability across affective disorders	07/01/2018 - 06/30/2022	O	Mentor	0	Canadian Institute of Health Research	\$54,835.00	Primary mentor, no effort
8. K99MH117274 - Delineating neurobiological heterogeneity in internalizing symptoms using machine learning and deep phenotyping	07/01/2018 - 06/30/2020	FG	Mentor	0	National Institute of Mental Health	\$102,275.00	Primary mentor for K99 phase, no effort
9. F31MH115709 - Mapping normal developmental coupling between structural and functional	07/01/2018 - 11/30/2019	TG	Mentor	0	National Institute of Mental Health	\$37,670.00	Primary mentor

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brain networks and abnormalities associated with psychosis										
10.	R01MH111886-02S1	-	05/18/2018 - 05/17/2019	FG	Co-I	1	National Institute of Mental Health	\$90,913.00		
Leveraging network control theory to explain individual differences to non-invasive brain stimulation										
11.	R01MH113565	-	Adolescent neurodevelopment and impaired intrinsic motivation in psychosis risk	04/01/2018 - 03/31/2023	RO1	Co-I	5	National Institute of Mental Health	\$393,239.00	
12.	26356	-	Mapping the development of anxiety In youth using mobile technology, multi-modal imaging, and multivariate analytics	01/15/2018 - 01/14/2021	PG	Mentor	0	Brain & Behavior Research Foundation	\$30,000.00	Primary mentor, no effort
13.	-	-	Mapping affective instability in youth using mobile phenotyping and multi-modal neuroimaging	01/02/2018 - 01/01/2022	PG	PI	1	AE Foundation Research	\$108,000.00	Funded at 20% effort, reduced to 1%
14.	-	-	Creating a scalable infrastructure to accelerate clinical applications of functional connectomics	01/01/2018 - 12/31/2018	PG	PI	0	Center for Biomedical Image Computing and Analytics	\$30,000.00	Pilot grant, no effort
15.	R01MH11207	-	Mapping heterogeneity of neuroanatomical imaging signatures of psychosis via pattern analysis	09/19/2017 - 06/30/2021	RO1	Co-I	9	National Institute of Mental Health	\$426,782.00	
16.	T32MH017168	-	Training Program in Behavioral and Cognitive Neuroscience	07/01/2017 - 06/30/2019	TG	Mentor	0	National Institute of Mental Health	\$223,500.00	Mentor, no effort
17.	-	-	Ultra-high field, network-based imaging of glutamatergic deficits in depressed youth	07/01/2017 - 06/30/2019	PG	PI	0	Institute for Translational Medicine and Therapeutics	\$50,000.00	Pilot grant, no effort
18.	R01MH107703-Supplement	-	Diversity supplement to study imaging markers of heterogeneity of irritability in youth	06/01/2017 - 07/01/2018	FG	PI	0	National Institute of Mental Health	\$58,140.00	
19.	R01MH112847	-	Inter-modal coupling image analytics	05/10/2017 - 03/31/2023	RO1	PI	1	National Institute of Mental Health	\$275,581.00	MPIs: Shinohara (contact) & Satterthwaite. Funded at 20% effort.
20.	S10OD023495	-	Biomedical	04/01/2017 -	PP	Co-I	0	Office of Research	\$1,945,817.00	Infrastructure grant, no

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image computing and informatics cluster	03/31/2022					Infrastructure Programs		effort.
21. - Investigating the impact of the microbiome on abnormalities of brain development associated with irritability in youth	04/01/2017 - 09/01/2018	PG	PI	0		Penn/CHOP Microbiome Center	\$50,000.00	
22. BCS16-31550 - A mechanistic model of cognitive control	08/01/2016 - 07/31/2019	FG	Co-I	1		National Science Foundation	0	
23. R01EB022573 - Pattern analysis of fMRI via machine learning and sparse models: Application to brain development	07/01/2016 - 03/31/2021	RO1	Co-I	9		National Institute of Biomedical Imaging and Bioengineering	\$328,704.00	
24. R21MH106799 - Evolution of the linked architecture of network control and executive function In adolescence	03/15/2016 - 02/28/2019	FG	PI	8		National Institute of Mental Health	\$173,123.00	MPIs: Bassett (contact) & Satterthwaite
25. R21MH106799-02S1 - Sex differences in network control: Administrative supplement	03/15/2016 - 02/28/2019	FG	PI	1		National Institute of Mental Health	\$45,000.00	
26. R01MH107703 - Longitudinal multi-modal neuroimaging of irritability in youth	09/01/2015 - 05/31/2019	RO1	PI	30		National Institute of Mental Health	\$378,227.00	Biobehavioral Research Award for Innovative New Scientists (BRAINS).
27. R01MH107235 - Multimodal brain maturation indices modulating psychopathology and neurocognition	08/01/2015 - 05/31/2018	RO1	Co-I	20		National Institute of Mental Health	\$338,486.00	
28. R01DA037289 - Multimodal imaging of progesterone / neurosteroid effects in nicotine addiction	02/01/2015 - 11/30/2019	RO1	Co-I	10		National Institute on Drug Abuse	\$399,261.00	
29. NNX14AM81G - Neurostructural, cognitive, and physiologic changes during a 1-year Antarctic winter-over mission	08/01/2014 - 07/31/2017	FG	Co-I	10		National Aeronautics and Space Administration	\$232,765.00	
30. - Flexible nonlinear modeling of normal and abnormal neurodevelopment in adolescence	06/01/2014 - 06/01/2015	PG	PI	0		Center for Biomedical Image Computing and Analytics	\$50,000.00	
31. - Resolving multidimensional trajectories of brain network architecture	04/01/2014 - 04/01/2015	PG	PI	0		Institute for Translational Medicine and Therapeutics	\$50,000.00	

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<b>32.</b> R01MH101111 - Quantitative behavioral and imaging phenotypes of amotivation In schizophrenia	04/01/2013 - 03/31/2018	RO1	Co-I	8	National Institute of Mental Health	0
<b>33.</b> K23MH098130 - Neuroimaging of dimensional reward dysfunction In adolescence	07/07/2012 - 04/30/2016	FG	PI	75	National Institute of Mental Health	\$180,000.00
<b>34.</b> 17308 - Neuroimaging of reward systems in bipolar depression	07/15/2011 - 07/14/2014	PG	PI	10	National Alliance for Research on Schizophrenia and Depression	\$30,000.00
<b>35.</b> - Common and divergent mechanisms of anhedonia across psychiatric disorders	07/01/2011 - 07/01/2013	PG	Co-I	0	UPenn Collaborative Neuroscience Center	\$50,000.00
<b>36.</b> - Lilly psychiatric research fellowship	07/01/2010 - 05/31/2012	PG	PI	0	American Psychiatric Association	\$45,000.00
<b>37.</b> - APIRE/Janssen resident psychiatric research scholars program	10/01/2009 - 04/30/2012	PG	PI	0	American Psychiatric Association	\$2,500.00

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**CURRENT GRANT SUPPORT**

NAME: Theodore Daniel Satterthwaite, MD, MA

DEPARTMENT: Psychiatry

DATE: 02/26/2023

<u>Name of Grant</u>	<u>Period of Award</u>	<u>Grant Category*</u>	<u>Role in Grant**</u>	<u>% Effort</u>	<u>Funding Source</u>	<u>Current Annual Direct Cost</u>	<u>Additional Comments***</u>
1. - Linking sex differences in personalized networks and internalizing symptoms with machine learning	01/15/2023 - 01/14/2025	PG	Mentor	0	Brain Behavior Research Foundation	\$30,000.00	Primary mentor, NARSAD Young Investigator Award
2. R01AG076832 - Multidimensional Approaches to Understanding Consequences and Mechanisms of Apathy in Frontotemporal Degeneration	12/01/2022 - 11/30/2027	RO1	Co-I	1	National Institute of Aging	\$336,100.00	
3. U24NS130411 - Neuroimaging Brain Chart Software Suite	12/01/2022 - 11/30/2027	PP	Co-I	3	National Institutes of Health	\$499,000.00	
4. R01MH112847 - Inter-modal Coupling Image Analytics	07/01/2022 - 06/30/2032	RO1	PI	15	National Institute of Mental Health	\$499,500.00	PIs: Shionhara (contact) & Satterthwaite. Renewed 2022.
5. 1L30MH131061 - Impact of adverse childhood experiences on brain network topography and executive dysfunction	07/01/2022 - 06/30/2024	FG	Mentor	0	National Institute of Mental Health	\$8,500.00	Primary mentor, NIH Loan Repayment Program
6. 2L30MH124102-02 - Linking sex differences in personalized networks to externalizing symptoms with machine learning	07/01/2022 - 06/30/2023	FG	Mentor	0	National Institute of Mental Health	\$50,000.00	Primary mentor, NIH Loan Repayment Program
7. K99MH127293 - Brain iron as a neurodevelopmental mechanism for transdiagnostic executive dysfunction	04/01/2022 - 03/31/2027	FG	Mentor	0	National Institute of Mental Health	\$101,750.00	Primary mentor for K99 phase
8. R01EB031284 - Infant atlas of brain perfusion	09/20/2021 - 06/30/2025	RO1	Co-I	1	National Institute of Biomedical Imaging and Bioengineering	\$434,402.00	
9. K99MH127296 - Discovering prognostic neuroimaging biomarkers of the psychosis spectrum using network control theory	09/01/2021 - 08/31/2023	FG	Mentor	0	National Institute of Mental Health	\$101,646.00	Mentors: Bassett & Satterthwaite

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<b>10.</b> R01MH126699 - A community-driven development of the brain imaging data standard (BIDS) to describe macroscopic brain connections	08/06/2021 - 07/31/2023	RO1	Co-I	3	National Institute of Mental Health	\$227,950.00	
<b>11.</b> 2R01EB022573 - Personalized functional network modeling to characterize and predict psychopathology in youth	08/02/2021 - 04/30/2025	RO1	PI	18	National Institute of Biomedical Imaging and Bioengineering	\$402,122.00	MPIs: Fan (contact) and Satterthwaite
<b>12.</b> RF1MH121867 - NIPreps: Integrating neuroimaging preprocessing workflows across modalities, populations, and species	07/19/2021 - 07/18/2024	RO1	PI	3	National Institute of Mental Health	\$481,917.00	MPIs: Esteban, Milham, Poldrack (contact), Rokem, & Satterthwaite
<b>13.</b> R37MH125829 - Precision mapping of individualized executive networks in youth	07/01/2021 - 04/30/2026	RO1	PI	20	National Institute of Mental Health	\$818,531.00	MPIs: Fair (contact) & Satterthwaite; selected for NIH MERIT award
<b>14.</b> L30MH127652-01 - Heterogeneity in coupling of regional metabolism and local functional connectivity in youth with major depressive disorder	07/01/2021 - 06/30/2023	FG	Mentor	0	National Institute of Mental Health	\$50,000.00	Primary mentor, NIH Loan Repayment Program
<b>15.</b> L30MH127652-01 - Mapping Alterations of Physiology-Function Coupling in Depression	07/01/2021 - 06/30/2023	FG	Mentor	0	National Institute of Mental Health	\$50,000.00	Primary mentor, NIH Loan Repayment Program
<b>16.</b> NARSAD YIA - Normative modeling of network control deficits in psychosis	07/01/2021 - 06/30/2023	PG	Mentor	0	Brain and Behavior Research Foundation	\$30,000.00	Mentors: Bassett & Satterthwaite
<b>17.</b> U01DA055365 - Healthy brain and child development national consortium	06/30/2021 - 06/30/2026	FG	Co-I	2	National Institute of Drug Abuse	\$616,086.00	
<b>18.</b> F31MH126569 - Brain network maturation and executive dysfunction spanning diagnostic categories of psychopathology	04/01/2021 - 04/01/2023	FG	Mentor	0	National Institute of Mental Health	\$46,036.00	Mentors: Bassett & Satterthwaite
<b>19.</b> - Personalized mapping of control network abnormalities associated with borderline spectrum symptoms in youth	01/01/2021 - 12/30/2023	PG	PI	1	AE Foundation	\$212,045.00	Funded at 15% effort
<b>20.</b> NSF GRFP - Delineating the Functional and Cognitive Consequences of Inter-Individual	09/01/2020 - 08/31/2023	FG	Mentor	0	National Science Foundation	\$46,000.00	Primary mentor for NSF Graduate Research Fellowship

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Differences in Brain Network Topography with Concurrent TMS-fMRI								
<b>21.</b> R01MH123550 - Harmonization of Multi-Site Neuroimaging Data from Complex Data from Complex Study Designs	06/01/2020 - 04/30/2024	RO1	Co-I	1	National Institute of Mental Health	\$373,920.00	Funded at 5% effort.	
<b>22.</b> R01MH120811 - Individualized Closed Loop TMS for Working Memory Enhancement	09/01/2019 - 06/30/2024	RO1	Co-I	1	National Institute of Mental Health	\$454,116.00	Funded at 10% effort.	
<b>23.</b> R01MH120482 - Reproducible imaging-based brain growth charts for psychiatry	07/01/2019 - 06/30/2024	RO1	PI	8	National Institute of Mental Health	\$499,500.00	MPIs: Satterthwaite (contact) & Milham. Funded at 10% effort.	
<b>24.</b> - Responsive Neurostimulation for Loss of Control Eating	03/15/2019 - 12/31/2024	FG	Co-I	1	National Institute of Neurological Disorders and Stroke	\$460,827.00		
<b>25.</b> RF1MH116920 - Network control and functional context: Mechanisms for TMS response	09/01/2018 - 08/31/2023	RO1	PI	1	National Institute of Mental Health	\$499,691.00	BRAIN Initiative award. MPIs: Oathes (contact) / Bassett / Satterthwaite. Funded at 15% effort. NCE.	
<b>26.</b> T32NS105607 - Graduate training in neuroscience	07/01/2018 - 06/30/2023	TG	Mentor	0	National Institutes of Health	\$571,391.00	Mentor, no effort	
<b>27.</b> R01MH113550 - Longitudinal mapping of network development underlying executive dysfunction in adolescence	06/01/2018 - 05/31/2023	RO1	PI	20	National Institute of Mental Health	\$499,745.00	MPIs: Satterthwaite (contact) & Bassett. Funded at 20% effort.	
<b>28.</b> - Systematic evaluation of neuroimaging as a biomarker for pain	02/25/2018 - 02/24/2023	FG	PI	1	Food and Drug Administration / ACTION	\$128,247.00	Funded at 15% effort.	

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