UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE
Curriculum Vitae

Date: 10/12/2022

Theodore Daniel Satterthwaite, MD, MA

Address: Richards Medical Labs, 5th floor
3600 Hamilton Walk
Philadelphia, PA 19104 United States of America

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:

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| 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:

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| 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:

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| 2014-2020 | Assistant Professor of Psychiatry, University of Pennsylvania School of Medicine |
| 2020-present | Associate Professor of Psychiatry, University of Pennsylvania School of Medicine |

Hospital and/or Administrative Appointments:

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| 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 |
| 2019-Present | Director, Penn Lifespan Informatics and Neuroimaging Center (PennLINC) |

Other Appointments:

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| 2007-Present | Member, Center for Neuroimaging in Psychiatry, University of Pennsylvania Perelman School of Medicine |
| 2012-2014 | Instructor, Department of Psychiatry, University of |

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| | 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:

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| 2011 | Diplomate, American Board of Psychiatry and Neurology |

Licensure:

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| 2006 | Pennsylvania |

Awards, Honors and Membership in Honorary Societies:

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| 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 |

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| 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:

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| 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:

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| 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 |

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| 2020 | K99/R00 "Pathway to Independence" Special Emphasis Panel, National Institute of Mental Health |

Editorial Positions:

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| 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, Journal of Clinical Psychiatry |
| 2010-Present | Ad-hoc reviewer, Psychopharmacology |
| 2010-Present | Ad-hoc reviewer, NeuroImage |
| 2011-Present | Ad-hoc reviewer, Molecular Psychiatry |
| 2012-Present | Ad-hoc reviewer, JAMA Psychiatry |
| 2012-Present | Ad-hoc reviewer, Journal of the American Academy of Child and Adolescent Psychiatry |
| 2013-Present | Ad-hoc reviewer, Brain Connectivity |
| 2013-Present | Ad-hoc reviewer, Human Brain Mapping |
| 2014-Present | Ad-hoc reviewer, Neuron |
| 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, Cerebral Cortex |
| 2015-Present | Ad-hoc reviewer, Neuropsychopharmacology |
| 2015-Present | Ad-hoc reviewer, Developmental Cognitive Neuroscience |
| 2015-Present | Ad-hoc reviewer, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging |
| 2016-Present | Ad-hoc reviewer, Current Opinion in Behavioral Sciences |
| 2016-Present | Ad-hoc reviewer, Cell Reports |
| 2016-Present | Ad-hoc reviewer, Nature Communications |
| 2017-Present | Ad-hoc reviewer, eLife |
| 2018-Present | Ad-hoc reviewer, PLOS Biology |
| 2019-2020 | Guest editor, eLife |
| 2019-2020 | Guest Editor, Biological Psychiatry |
| 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:

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| 2015-2020 | Neuroscience Graduate Group Admissions Committee, University of Pennsylvania |
| 2015 | Building Interdisciplinary Research Careers in Women's Health |

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| | (BIRCWH) 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:

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| 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 |

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| 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 Kaczkurkin, 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: |

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| | 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 715: 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 Image Computing and Analysis, Department of Radiology |
| 2017 | External thesis MSc committee member for Saba Shabab, University |

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| | 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 |

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| 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 |
| 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 |

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| 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 |

Lectures by Invitation (Last 5 years):

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| Jun, 2017 | "Flexible analyses of brain development using general additive models" - Statistical Methods in Imaging Conference, Pittsburgh, Pennsylvania |
| Jul, 2017 | "Discovering linked dimensions of functional connectivity and psychopathology using multi-view learning" - Joint Statistical Meeting, Baltimore, Maryland |
| Aug, 2017 | "Normal and abnormal development of executive networks in adolescence" - Department of Child Psychiatry, Erasmus University, Rotterdam, Netherlands |
| Oct, 2017 | "Challenges and progress in multi-modal imaging of developmental psychopathology" - International Conference on Human Brain Development, Nanning, China |
| Dec, 2017 | "Common and dissociable substrates of psychopathology across clinical diagnostic categories in youth" - American College of Neuropsychopharmacology, Palm Springs, California |
| 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 |

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| | 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 | "Developing brain networks: relevance for psychiatry" - Killian Seminar, Montreal Neurological Institute, Montreal, Canada |
| Apr, 2019 | "Using multi-modal imaging to understand brain development" - Department of Neurology Grand Rounds, 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 Corticies" - Nathan Kline Institute |

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| | 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 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 |
| Nov, 2021 | "Mapping the Developing Brain to Understand Psychopathology in Youth" - Department of Psychiatry Grand Rounds, Beth Israel Deaconess Medical Center |
| 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 |

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| | 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 | "Non-invasive Studies of Plasticity in the Developing Brain " - Department of Psychology, University of Michigan |

Organizing Roles in Scientific Meetings:

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| 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 |

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

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Research Publications, non-peer reviewed:

[none]

Abstracts (Last 3 years):

[none]

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Patents:

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## PAST GRANT SUPPORT

NAME: Theodore Daniel Satterthwaite, MD, MA DEPARTMENT: Psychiatry DATE: 10/12/2022

| Name of Grant | Period of Award | Grant Category* | Role in Grant** | % Effort | Funding Source | Current Annual Direct Cost | Additional Comments*** |
|---|---|---|---|---|---|---|---|
| **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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| | | | |
|---|---|---|---|
| **RO1** | NIH RO1 | **CT** | Clinical Trials |
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| **FG** | Federal Grants - Other (including other NIH grants and grants from VA, NSF, Dept. of Energy, etc.) | **IG** | Industrial Grants (including pharmaceutical) |
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| **FM** | Fellowship (management) | **O** | Other |

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*If space is needed for more entries, use an additional sheet.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| brain networks and abnormalities associated with psychosis | | | | | | | |
| **10.** R01MH111886-02S1 - Leveraging network control theory to explain individual differences to non-invasive brain stimulation | 05/18/2018 - 05/17/2019 | FG | Co-I | 1 | National Institute of Mental Health | $90,913.00 | |
| **11.** 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 |
| **12.** - 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% |
| **13.** - 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 |
| **14.** 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 | |
| **15.** 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 |
| **16.** - 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 |
| **17.** 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 | |
| **18.** 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. |
| **19.** S10OD023495 - Biomedical image computing and informatics cluster | 04/01/2017 - 03/31/2022 | PP | Co-I | 0 | Office of Research Infrastructure Programs | $1,945,817.00 | Infrastructure grant, no effort. |
| **20.** - Investigating the impact of the microbiome on abnormalities of brain development associated | 04/01/2017 - 09/01/2018 | PG | PI | 0 | Penn/CHOP Microbiome Center | $50,000.00 | |

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*If space is needed for more entries, use an additional sheet.*

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| with irritability in youth | | | | | | | |
| **21.** BCS16-31550 - A mechanistic model of cognitive control | 08/01/2016 - 07/31/2019 | FG | Co-I | 1 | National Science Foundation | 0 | |
| **22.** 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 | |
| **23.** 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 |
| **24.** 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 | |
| **25.** 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). |
| **26.** 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 | |
| **27.** 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 | |
| **28.** 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 | |
| **29.** - 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 | |
| **30.** - 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 | |
| **31.** 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 | |
| **32.** K23MH098130 - | 07/07/2012 - | FG | PI | 75 | National Institute of | $180,000.00 | |

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| **CT** | Clinical Trials |
| **TG** | Training Grants |
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| | | | | | | |
|---|---|---|---|---|---|---|
| Neuroimaging of dimensional reward dysfunction In adolescence | 04/30/2016 | | | | Mental Health | |
| **33.** 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 |
| **34.** - 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 |
| **35.** - Lilly psychiatric research fellowship | 07/01/2010 - 05/31/2012 | PG | PI | 0 | American Psychiatric Association | $45,000.00 |
| **36.** - 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: 10/12/2022

| Name of Grant | Period of Award | Grant Category* | Role in Grant** | % Effort | Funding Source | Current Annual Direct Cost | Additional Comments*** |
|---|---|---|---|---|---|---|---|
| **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.** R01MH112847 - Inter-modal Coupling Image Analytics | 07/01/2022 - 06/30/2027 | RO1 | PI | 15 | National Institute of Mental Health | $499,500.00 | PIs: Shionhara (contact) & Satterthwaite. Renewal of R01MH112847. |
| **4.** 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 |
| **5.** 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 |
| **6.** K99MH127293 - Brain iron as a neurodevelopmental mechanism for transdianostic executive dysfunction | 04/01/2022 - 03/31/2027 | FG | Mentor | 0 | National Institute of Mental Health | $101,750.00 | Primary mentor for K99 phase |
| **7.** R01EB031284 - Infant atlas of brain perfusion | 09/20/2021 - 06/30/2025 | RO1 | Co-I | 2 | National Institute of Biomedical Imaging and Bioengineering | $434,402.00 | |
| **8.** 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 |
| **9.** R01MH126699 - A community-driven development of the brain imaging data standard (BIDS) to | 08/06/2021 - 07/31/2023 | RO1 | Co-I | 1 | National Institute of Mental Health | $227,950.00 | |

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| describe macroscopic brain connections | | | | | | | |
| **10.** 2R01EB022573 - Personalized functional network modeling to characterize and predict psychopathology in youth | 08/02/2021 - 04/30/2025 | RO1 | PI | 20 | National Institute of Biomedical Imaging and Bioengineering | $402,122.00 | MPIs: Fan (contact) and Satterthwaite |
| **11.** 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 |
| **12.** 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 |
| **13.** 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 |
| **14.** 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 |
| **15.** 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 |
| **16.** 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 | |
| **17.** 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 |
| **18.** - Personalized mapping of control network abnormalities associated with borderline spectrum symptoms in youth | 01/01/2021 - 12/30/2023 | PG | PI | 1 | AE Foundation | $209,997.00 | |
| **19.** NSF GRFP - Delineating the Functional and Cognitive Consequences of Inter-Individual Differences in Brain Network Topography with Concurrent TMS-fMRI | 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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| **20.** 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. |
| **21.** 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. |
| **22.** 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. |
| **23.** RF1MH116920 - Network control and functional context: Mechanisms for TMS response | 09/01/2018 - 08/31/2023 | RO1 | PI | 7 | National Institute of Mental Health | $499,691.00 | BRAIN Initiative award. MPIs: Oathes (contact) / Bassett / Satterthwaite. Funded at 15% effort. NCE. |
| **24.** T32NS105607 - Graduate training in neuroscience | 07/01/2018 - 06/30/2023 | TG | Mentor | 0 | National Institutes of Health | $571,391.00 | Mentor, no effort |
| **25.** R01MH113550 - Longitudinal mapping of network development underlying executive dysfunction in adolescence | 06/01/2018 - 05/31/2023 | RO1 | PI | 15 | National Institute of Mental Health | $499,745.00 | MPIs: Satterthwaite (contact) & Bassett. Funded at 20% effort. |
| **26.** 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 | |
| **27.** - Systematic evaluation of neuroimaging as a biomarker for pain | 02/25/2018 - 02/24/2023 | FG | PI | 2 | Food and Drug Administration / ACTTION | $128,247.00 | Funded at 15% effort, reduced to 2%. |

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## PENDING GRANT SUPPORT

NAME: Theodore Daniel Satterthwaite, MD, MA DEPARTMENT: Psychiatry DATE: 10/12/2022

| Name of Grant | Period of Award | Grant Category* | Role in Grant** | % Effort | Funding Source | Current Annual Direct Cost | Additional Comments*** |
|---|---|---|---|---|---|---|---|
| **1.** U24NS130411 - Neuroimaging Brain Chart Software Suite | 12/01/2022 - 11/30/2027 | PP | Co-I | 3 | National Institutes of Health | $499,000.00 | |

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