

TARA L. WHITE

PERSONAL INFORMATION

Citizenship: United States
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Fax: +1 401 863-6647
E-mail: Tara_White@Brown.edu
Website: <http://brown.edu/whitelab>

EDUCATION

Cornell University	B.S.	1993	Human Biology
Cornell University	Ph.D.	1998	Developmental Psychology
Cornell University	Postdoctoral	1998-00	Cognitive and Behavioral Neuroscience
The University of Chicago	Postdoctoral	2000-02	Neuropsychopharmacology

RESEARCH INTERESTS

Dignity Neuroscience – Psychology and Brain Science of Human Rights
Neural Mechanisms of Emotion and Drug Effects
Human Development and Cognitive Neuroscience

ACADEMIC & PROFESSIONAL APPOINTMENTS

2026- Founder & Chief Scientific Officer, Agentic Science LLC
2026- Adjunct Assistant Professor of Behavioral and Social Sciences, Center for Alcohol and Addiction Studies, School of Public Health, Brown University
2024- Affiliated faculty, Brown University Data Science Institute (DSI)
2021- Affiliated faculty, Brown University Watson Institute Center for Human Rights & Humanitarian Studies (CHRHS)
2021- Honors Faculty, Brown University Cognitive, Linguistic and Psychological Sciences (CLPS)
2019- Life Fellow, University of Cambridge (Clare Hall), Cambridge, Cambridgeshire, England
2015- Core Faculty, Brown University Contemplative Studies Program (COST)
2008- Faculty trainer, Brown University Neuroscience Graduate Program (NSGP)
2007-25 Assistant Professor (Research), Department of Behavioral and Social Sciences, Center for Alcohol and Addiction Studies, School of Public Health, Brown University
2004-07 Postdoctoral Fellow and Investigator, Dept. of Psychiatry & Human Behavior, Brown University
2002-03 Research Associate, Department of Psychiatry & Human Behavior, Brown University
2001-02 Instructor, Division of Humanities, Arts, and Sciences, The University of Chicago Graham School
2000-02 NIH Postdoctoral T32 Fellow, NIDA (DA00725509), Department of Psychiatry, The University of Chicago. Advisor, Harriet de Wit, Ph.D.
1998-00 Postdoctoral Research Associate, Division of Nutritional Sciences, Cornell University
Sponsor, Barbara J. Strupp, Ph.D.

PROFESSIONAL ACTIVITIES, SOCIETIES AND AWARDS

2022- International Neuroethics Society
2022- New York Academy of Sciences
2022 Nominated, Graduate School Faculty Award for Advising and Mentoring
2021 Nominated, Editor of *Emotion*
2021 Nominated, Society for Affective Science, Mid-Career Trajectory in Affective Science Award
2019 Fellow, Association for Psychological Science (APS)
2019 Life Fellow, University of Cambridge (Clare Hall)
2018 British Academy International Visiting Fellow, University of Cambridge
2018 International Visiting Fellow, University of Cambridge (Clare Hall)
2017- Society for Affective Science
2012- Research Society on Alcoholism
2010- College for Problems in Drug Dependence (Associate Member)

2009-	SFN Faculty for Undergraduate Neuroscience
2008-	NIDA Networking Project
2004-	Society for Neuroscience
2004	NIDA Early Career Investigator Award, "Frontiers in Addiction Research"
2002-	Organization for Human Brain Mapping
2002	NIDA Director's Travel Award, National Institute on Drug Abuse
2001-	Society for Personality and Social Psychology
2001-	Association for Research in Personality
1998-	Association for Psychological Science (American Psychological Society)

ACTIVE AND RECENT GRANT SUPPORT

The Ann and Gordon Getty Foundation. Unrestricted gift to WhiteLab research. **Tara White, Principal Investigator.** Granted 5 September 2025; no end date. \$206,500 total costs. This gift supports research in biometric, psychological, and physiologic predictors of relapse to alcohol in people who are living in recovery with AUD, guided by the tenets and goals of dignity neuroscience.

Hubert and Richard Hanlon Trust Foundation. "The stress factor: Understanding the role of norepinephrine in alcohol use disorder" **Tara White, Multi-PI.** 01/01/20 – 12/31/25. \$335,000 total costs. \$301,500 direct costs (\$225,000 direct costs for human studies). This project evaluates alpha-1 receptor mechanisms of alcohol use disorder (AUD) across species.

Getty Foundation (Strategic Aid Partners). Unrestricted gift to WhiteLab research. **Tara White, Principal Investigator.** Granted 24 May 2023; no end date. \$10,000 total costs. This grant is an unrestricted gift to my lab to support work in dignity neuroscience and addiction medicine.

National Center for Biotechnology Information (NCBI). Database of Genotypes and Phenotypes (dbGaP) Project #25946. "Variation in brain alpha1 receptors in relation to substance use" **Tara White, Principal Investigator.** 8/01/20 – 7/30/26. \$0 total costs. NCBI approval provides access to large-scale datasets which my team is interrogating in this project.

RECENT GRANT SUPPORT (2017-)

Ann and Gordon Getty Foundation. "Brain science + humanity moonshot: Freedom from relapse." **Tara White, Principal Investigator.** Total, direct costs TBD. Pending. This project provides funding for initial pilot project supporting the large-scale vision outlined in my Dignity Moonshot.

Brown University Office of the Vice President for Research (OVPR). "ARPA-H Dignity neuroscience initiative: Individualized prediction and prevention of substance use relapse" **Tara White, Principal Investigator.** 7/01/23 – 2/29/24. \$33,000 total costs. This project developed a \$40.1M initiative in substance and alcohol use disorder prediction and prevention.

Carney Institute for Brain Science Innovation Award. "Using ¹H MRS to understand emotion" **Tara White, Principal Investigator.** 11/01/19 – 12/31/23. \$132,000 total costs.

NIH P01 AA019072 "Alcohol and HIV: Biobehavioral interactions and intervention" Type: P01 Alcohol Research Center (P. Monti, PI). **Tara White, co-Investigator and site PI for neuroimaging at Brown for RC 1.** 10/1/15 – 5/30/20. \$329,450 annual total RC1 costs (\$204,627 direct costs).

British Academy, "Legal toxins: Characterizing the effect of new psychoactive substances on brain health" Type: International Visiting Fellowship. **Tara White, Principal Investigator.** 8/15/18 – 3/15/19. £22,000 direct costs. £33,000 total costs.

University of Cambridge, "Legal toxins: Characterizing the effect of new psychoactive substances on brain health." Type: Clare Hall Visiting Fellowship. **Tara White, Principal Investigator.** 8/15/18 – 3/15/19.

Rhode Island Neuroscience Collaborative (RINC) Research Award "Neurocognitive and physiological effects of prescription stimulants in college students". **Tara White, co-Principal Investigator (Brown); Lisa Weyandt, co-Principal Investigator (URI).** 7/1/14 – 12/30/17. \$50,000 direct costs.

REVIEWER, GRANTING AGENCIES

2025 Swiss National Science Foundation (SNSF)

2025	Israel Science Foundation (ISF) grant review
2024	British Academy (BA) International Fellowship grant review
2019	Netherlands Organisation for Scientific Research (NWO), Council for Social Sciences and the Humanities, Open Competition Social Sciences and Humanities (OC-SSH) grant review
2015-16	National Science Foundation (NSF) Review Panel (GRFP)
2012	NIH CSR: Pathophysiological Basis of Mental Disorders and Addictions Study Section (PMDA) February, June and October, 2012

REVIEWER, JOURNALS + PRESSES

Addiction, Addictive Behaviors, Alcohol and Alcoholism, Alcoholism: Clinical and Experimental Research, American Journal of Psychiatry, Behavior Research Methods, Behavioral Neuroscience, Behavioral and Brain Functions, Biological Psychiatry, Brain Imaging and Behavior, Developmental Psychobiology, Drug and Alcohol Dependence, Emotion, Experimental and Clinical Psychopharmacology, Journal of Attention Disorders, Journal of Clinical Psychopharmacology, Journal of Law, Medicine & Ethics, Journal of Psychopharmacology, Journal of Racial and Ethnic Health Disparities, Journal of Studies on Alcohol, Memory & Cognition, Nature Communications, Neuropsychopharmacology, Neuroscience, Pharmacology Biochemistry and Behavior, PLoS ONE, Psychiatry Research: Neuroimaging, Psychology of Addictive Behaviors, Psychopharmacology, Social Psychiatry and Psychiatric Epidemiology, The American Journal on Addictions; Elsevier, Neuroscience books

EDITORIAL BOARDS

2024	<i>Behavioral Neuroscience</i> (a Journal of the American Psychological Association). Impact factor=2.7
2024	<i>Emotion</i> (a Journal of the American Psychological Association). Impact factor 4.9
2024	<i>Experimental and Clinical Psychopharmacology</i> (a Journal of the American Psychological Association). Impact factor=3.4
2021	<i>Scientific Reports</i> (a Nature Portfolio journal; invited; declined). Impact factor=5.1
2019-23	<i>Behavioral Neuroscience</i> (a Journal of the American Psychological Association). Impact factor=2.7
2019-23	<i>Emotion</i> (a Journal of the American Psychological Association). Impact factor 4.9
2019-23	<i>Experimental and Clinical Psychopharmacology</i> (a Journal of the American Psychological Association). Impact factor=3.4

TALKS BY INVITATION

INTERNATIONAL AND NATIONAL

06/01	College on Problems of Drug Dependence, Scottsdale, AZ. "Development of a laboratory-based behavioral task to investigate risk-taking and addictive behaviors"
04/02	Governor's State University, University Park, IL. "Individual differences in emotion and personality"
06/02	International Study Group Investigating Drugs as Reinforcers (ISGIDAR). Scottsdale, AZ. "Evaluation of a behavioral measure of impulsivity and risk-taking: Reliability, validity, and psychostimulant drug effects"
08/02	American Psychological Association, Chicago, IL. "Individual differences in acute response to amphetamine in humans: Relationship to personality"
04/05	Brookhaven National Laboratory, Upton, NY. "Imaging d-amphetamine effects in healthy volunteers"
05/07	Department of Psychiatry and Neurochemistry, University of Göteborg. Göteborg, Sweden. "Personality and responses to the dopamine agonist d-amphetamine"
06/09	Omneuron Corporation. International 'Real-time fMRI-based training' Summit 2009. Menlo Park, CA. "Individual differences as leverage not noise"
10/09	Department of Psychiatry, University of Chicago, Chicago, IL. "From the laboratory, scanner and back: Amphetamine challenge"
11/10	Dept. of Psychiatry, University of California San Diego (UCSD), San Diego, CA "Neuroimaging drug & alcohol effects"
06/12	Research Society on Alcoholism, San Francisco, CA. "Amygdala responses to alcohol in social drinkers"
05/14	National Institute on Alcohol Abuse and Alcoholism, CHAART National Meeting, Washington, D.C. Plenary talk: "Functional brain response to alcohol in HIV+ and uninfected Social Drinkers".
04/15	Wake Forest School of Medicine, Department of Physiology and Pharmacology, Winston-Salem NC. "Multi-modal imaging to probe mechanisms in emotion and human behavioral neuropharmacology"

10/18 Clare Hall Seminar Series, University of Cambridge, U.K. "The emotional brain".

10/18 Department of Clinical Neurosciences, 7T MRI Users & Spectroscopy Group, University of Cambridge, U.K. "What can we do in ten minutes? Opportunities in drug & emotion effects at 7T".

10/18 Clare Hall Colloquium Series, University of Cambridge, U.K. "The neurobiology of emotion".

11/18 Department of Psychiatry; Department of Psychology; and Department of Clinical Neurosciences, Brain MRI Quarterly Symposium, University of Cambridge, UK. "What can we do in ten minutes? Opportunities in drug & emotion effects at 7T".

11/18 Department of Physiology, Development and Neuroscience, Foster Seminar Series, University of Cambridge, UK. "The emotional brain and the neurobiology of uniqueness".

03/22 Emory Center for Mind, Brain and Culture, "Dignity neuroscience: Connected action", Atlanta GA

04/22 Human Development and Capability Association, "Dignity neuroscience: Links between human rights and the human brain", International virtual webinar

06/22 University of Cambridge Imaging Festival, "Glutamate and positive emotion", Cambridge, England UK

06/22 University of Cambridge Clare Hall, "Dignity neuroscience", Cambridge, England, U.K.

09/22 Human Development and Capability Association, "Dignity neuroscience: Links between human rights and the human brain", Global Dialogue Day, virtual.

11/22 University of Oxford, Wellcome Centre for Integrative Neuroimaging & MRC Brain Network Dynamics Unit, "Brain glutamate, NAA and dignity neuroscience", Oxford, England, U.K., virtual.

09/23 Harvard Medical School Center for Bioethics; Center for Law, Brain & Behavior at MGH; Weaver Family Program in Law, Brain Sciences, and Behavior at Vanderbilt Law School. Law & Neuro Works in Progress Workshop, Boston, MA (virtual) "Free Agents vs. Determined: Neuroscience and the law of personal responsibility"

10/23 San Francisco General Hospital Foundation, Zuckerberg San Francisco General Hospital and Trauma Center (ZSFG), San Francisco, CA (hybrid) "Dignity neuroscience and SUD relapse prevention"

03/24 McLean Imaging Center Speaker Series, McLean Hospital, Harvard Medical School, "Imaging Fast-Acting Drug Effects Using 1H-MRS: Insights on Agency, Metabolism Emotion, and Human Dignity"

04/24 Keynote talk, URI Neuroscience Symposium, George and Anne Ryan Institute for Neuroscience, Interdisciplinary Neuroscience Program. "Psychoactive Medication Effects in Young Adults: Insights on Agency, Metabolism, and Human Dignity"

06/24 Keynote talk, American University of Paris, Summer Institute on Human Rights, Paris. "Dignity Neuroscience: Ideas & Applications in Human Rights"

04/25 Mini-Forum talk, King Fahd University of Petroleum and Minerals (KFUPM), Bioengineering Department & IRC Biosystems and Machines, Dhahran, Kingdom of Saudi Arabia, "Human Affective Science: Methods, Mechanisms and Between-person variability"

06/25 Keynote talk, American University of Paris, Summer Institute on Human Rights, Paris. "Dignity Neuroscience: Grounding universal rights and dignity with human brain science"

09/25 Panel talk, UNESCO, Paris. "Dignity-Tech by Design: A View from Dignity Neuroscience"

REGIONAL

09/00 Department of Psychiatry, University of Chicago, Chicago IL. "Discerning the dark side of personality: Fear, anxiety, and noradrenergic systems"

12/00 Department of Neurobiology, Pharmacology, and Physiology, University of Chicago, Chicago IL. "Personality and monoamines"

11/01 Department of Neurobiology, Pharmacology, and Physiology, University of Chicago, Chicago IL. "Neurobiology of personality and emotion"

12/03 Center for Alcohol and Addiction Studies, Brown University, Providence, RI. "Individual differences and pharmacological fMRI"

12/03 Department of Family Medicine, Memorial Hospital of Rhode Island, Pawtucket, RI "Dexedrine and fMRI"

02/06 Department of Neuroscience, Brown University, Providence, RI. "Imaging d-amphetamine effects in healthy volunteers"

12/06 Center for Alcohol and Addictions Studies, Brown University, Providence, RI. "Alcohol and fMRI"

07/08 Rhode Island Hospital, Providence, RI. "Pharmacological fMRI protocols"

02/09 Neuroscience Graduate Program and NIH Graduate Partners Program, Brown University, Providence, RI. "Amphetamine & fMRI"

11/09 Center for Alcohol and Addictions Studies, Brown University, Providence, RI. "Neurobehavioral aspects of addiction: Neuroimaging"

08/10 Office of the Vice President for Research, Brown University Institute for Brain Sciences, Brown University, Providence, RI. Research Day Invited Speaker. "Neuroimaging drug effects: Vital research & human protections"

08/10 Lifespan/Tufts/Brown Center for AIDS Research (CFAR), Providence, RI. "Imaging alcohol effects in HIV patient populations"

09/10 Center for Primary Care and Prevention, Grand Rounds, Memorial Hospital of Rhode Island, Pawtucket, RI "Neuroimaging drug effects: Vital research & collaboration"

05/11 Center for Alcohol and Addiction Studies, CAAS Rounds, Brown University, Providence RI "Imaging emotion: Personal perspectives"

08/12 Brown University Neuroscience Graduate Retreat, Invited speaker, Providence RI "Imaging emotion"

10/12 Brown Alcohol Research Center on HIV Retreat, Invited speaker, Providence RI. "Imaging alcohol effects in HIV"

09/13 Brown University Center for Alcohol and Addiction Studies 30 Year Celebration, "Imaging drug and alcohol effects", Providence RI

09/15 Brown University, Department of Neuroscience, Providence RI. Invited talk, "Neurobiology of emotion"

09/21 Brown University Center for Alcohol and Addiction Studies T32 Training Seminar, "Neuroscience of human rights: SUDs, disparities & covid", Providence RI

10/21 Brown University Center for Alcohol and Addiction Studies CAAS Rounds, "Affective neuroscience, wellness & disease", Providence RI

10/21 Brown University Mindfulness Center, "Dignity neuroscience: Overview & ramifications", Providence RI

10/22 President's Advisory Council for the Robert J. & Nancy D. Carney Institute for Brain Science, "Dignity neuroscience: Grounding universal rights and dignity with human brain science", Providence RI

05/23 Brown University Center for Alcohol and Addiction Studies CAAS Rounds, "Dignity neuroscience and public health", Providence RI

10/23 Brown University Neuroscience Graduate Program Faculty DataBlitz, "Dignity neuroscience", Providence RI

12/23 Invited UDHR reader, Human Rights Day: Honoring the 75th Anniversary of the Universal Declaration, Center for Human Rights and Humanitarian Studies, Watson Institute, Providence RI

05/24 Brown University Center for Alcohol and Addiction Studies CAAS Rounds, "Dignity neuroscience: Application to addiction", Providence RI

BOOK CHAPTERS AND REVIEWS BY INVITATION

Ceci, S.J., Leichtman, M., & **White T.** (1995). Interviewing preschoolers: Remembrance of things planted. *The child witness: Cognitive, social, and legal issues*. Netherlands: Kluwer.

White, T.L., & Wethington, E. (1996). Youth: Changing beliefs and behaviors. In U. Bronfenbrenner, P. McClelland, E. Wethington, P. Moen, S.J. Ceci with H. Hembroke, P.A. Morris, & T.L. White, *The State of Americans: This Generation and the Next*. (pp.1-29). New York: The Free Press.

Sommers, I. , **White, T.L.**, & Baskin-Sommers, A. † (2008). Neurobiology of addiction. In G.L. Fisher and N.A. Roget (Eds.). *Encyclopedia of Substance Abuse, Prevention, Treatment, and Recovery*. ISBN# 9781412950848. SAGE Publications, Newbury Park, CA.

Depue R.A. & **White T.L.★** (2010). Personality: Neurobehavioural foundation and pharmacological protocols. In: Stolerman I.P. (eds) *Encyclopedia of Psychopharmacology* (Vol. 2, Part 16, 988-994). Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-68706-1_46

White, T.L. & Depue, R.A. (2010). Central catecholamine systems. Entry in I. Stolerman (Ed.), *Encyclopedia of Psychopharmacology*, Vol. 1, Part 3, 277. Springer.

White, T.L. & Depue, R.A. (2010). Nucleus accumbens. Entry in I. Stolerman (Ed.), *Encyclopedia of Psychopharmacology*, Vol. 2, Part 14, 907. Springer.

White, T.L. & Depue, R.A. (2010). Trait independence. Entry in I. Stolerman (Ed.), *Encyclopedia of Psychopharmacology*, Vol. 2, Part 20, 1330. Springer.

White, T.L. & Depue, R.A. (2010). Ventral tegmental area. Entry in I. Stolerman (Ed.), *Encyclopedia of Psychopharmacology*, Vol. 2, Part 22, 1359. Springer.

White T.L. (2011) Imaging substance use and misuse: Psychostimulants. In: Cohen R., Sweet L. (eds) *Brain Imaging in Behavioral Medicine and Clinical Neuroscience* (pp. 163-177). Springer, New York, NY.
https://doi.org/10.1007/978-1-4419-6373-4_11

Depue, R.A. & **White, T.L.** (2014). Personality: Neurobehavioral foundation and pharmacological protocols. In I.P. Stolerman & L.H. Price (Eds.), *Encyclopedia of Psychopharmacology*. ISBN: 978-3-642-27772-6 (Online). DOI 10.1007/978-3-642-27772-6_46-2

Depue, R.A. & **White, T.L.** (2015). Personality: Neurobehavioral foundation and pharmacological protocols. In I.P. Stolerman & L.H. Price (Eds.), *Encyclopedia of Psychopharmacology. 2nd edition*, pp 1258-1266. Springer Berlin Heidelberg. ISBN: 978-3-642-36171-5 (Print) 978-3-642-36172-2 (Online). DOI: 10.1007/978-3-642-36172-2_46. Book's homepage: www.springer.com/978-3-642-36171-5.

COMMITTEE MEMBERSHIPS/SERVICE POSTS

2025	Brown University Magnetic Resonance Facility Scientific Advisory Committee (SAC)
2025	School of Public Health DIAP Committee
2025	Brown University, Sydney E. Frank Fellowship in Biology and Medicine Selection Committee
2025	Reviewer, SPRINT Advanced Undergraduate Research Fellowship, Brown University.
2024	School of Public Health DIAP Committee
2022-24	Brown University, Sydney E. Frank Fellowship in Biology and Medicine Selection Committee
2022	Center for Alcohol and Addiction Studies, CAAS Research Excellence Award Grant Reviewer
2019	Addiction Concentration Planning Group, MPH Program, Brown University
2017-18	New Frontiers Grant Review panel, Carney Institute for Brain Science & RI funding board
2015	Brown Institute for Brain Science Innovation Fund, <i>Grant Journal of Law, Medicine & Ethics</i>
2015	Young Scholars Conference in Brain Sciences, Faculty Mentor, Brown University
2014	Departmental Niche/External Review, Dept. Behavioral and Social Sciences, Brown University
2013-15	Admissions Committee, Behavioral and Social Sciences PhD Program, Brown University
2012-24	Brown University Magnetic Resonance Facility Scientific Advisory Committee (SAC)
2012	Brown Institute for Brain Science grant reviewer
2012	Brown University P01 'Alcohol Research Center on HIV' Planning Committee, Annual Retreat
2011-12	NeuroAIDS Scientific Working Group, Lifespan/Tufts/Brown Center for AIDS Research
2010-15	Admissions Committee, Neuroscience Graduate Program, Brown University
2010	Website Committee, Center for Alcohol & Addiction Studies, Brown University
2009-12	Neuroimaging working group, Department of Psychiatry and Human Behavior, Brown University
2009-12	Future of Neurotechnology at Brown, Brown Institute for Brain Science
2008-15	Admissions Committee, Behavioral and Social Sciences Master's Program, Brown University
2008-12	NIDA Data Safety Monitoring Board (DSMB), DA024652
2007-08	MRI Physics Faculty Search Committee, Brain Science Program, Brown University
2005-06	Sub-Committee on Child Care, Human Resources Advisory Board, Brown University

TEACHING

1996-98	Psychobiology of temperament and personality, HDFS 365, HDFS 465. 4 lectures. Department of Human Development, Cornell University. Undergraduate Enrollment 35.
1998-00	Independent Research Seminar, PSYCH 470, NS 401 Division of Nutritional Sciences, Cornell University. Undergraduate Enrollment 20.
2001-02	Nature or Nurture: Neurobehavioral Approaches to Human Personality and Emotion. University of Chicago Graham School, short course. Graduate Enrollment 6.
2002	Psychopharmacology and Society: Drugs and the Brain. University of Chicago Graham School, short course. Graduate Enrollment 7.
2009-	NEUR 1970: Independent Study, CRN #14277 S40 Neuroscience Undergraduate Program, Brown University 2011: NEUR 197, 198 2012: NEUR 197, 198 2013: NEUR 1970, 1970

2014: NEUR 1970, 1970
 2015: NEUR 1970, 1970
 2020: NEUR 1970, Fall, CRN #14277, S40
 2021: NEUR 1970, Spring, CRN #23087, S40
 2024: NEUR 1970, Spring, CRN #23505, S40
 2025: NEUR 1970, Fall, CRN #15181, S40

2011- BIOL 1950/60: Directed Research / Independent Study, CRN #12036 S4A
 Biology Undergraduate Program, Brown University
 2011: BIOL 1950, 1960
 2012: BIOL 1950, 1960
 2013: BIOL 1950, 1960
 2014: BIOL 1950, 1960
 2015: BIOL 1950, 1960
 2016: BIOL 1950, 1960
 2025: BIOL 1950, Fall, CRN #12677 S4A

2011- PHP 1970: Independent Study in Public Health, CRN#15379 S23
 Public Health Undergraduate Program, Brown University
 2011: PHP 1970, CRN #14646 S23
 2025: PHP 1970, Fall, CRN #15379 Section S23

2014- NEUR 2980: Graduate Independent Study, CRN #14359, #14558, S40
 Neuroscience Graduate Program (NSGP), Brown University
 2014: NEUR 2980, 2980
 2015: NEUR 2980, 2980
 2016: NEUR 2980, 2980
 2017: NEUR 2980, 2980
 2018: NEUR 2980, 2980
 2019: NEUR 2980, 2980
 2020: NEUR 2980, 2980, CRN #14359 S40
 2021: NEUR 2980, Spring, CRN #23169 S40
 2021: NEUR 2980, Fall, CRN #14558 S40
 2022: NEUR 2980, Spring, CRN #23443 S40
 2022: NEUR 2980, Fall, CRN #14655 S40

2015- COST 1910: Individual Study Project – Sem1, CRN #12903 S12
 COST 1980: Thesis Preparation, CRN# S12
 Contemplative Studies Undergraduate Program, Brown University
 2025: COST 1910, Fall, CRN #13410 Section S12

2017- PHP 2980: Graduate Independent Study in Public Health, CRN #14923, S3D
 Public Health Graduate Program, Brown University
 2018: PHP 2980

2021- CLPS 1980: Directed Research in Cognitive Linguistics and Psychology
 Cognitive, Linguistic and Psychological Sciences Undergraduate Program, Brown University
 2021: CLPS 1980, Fall, CRN #12677 S55
 2022: CLPS 1980, Spring, CRN #26706 S55

2023 PHP 2090A: Research Grant Writing for Public Health
 Co-taught by Beaudoin, Collins, Jutkowitz, White.
 Public Health Graduate Program, Brown University
 2023: PHP 2090A, Fall, CRN #23981, S01/S3D
My student ratings (mean scores, 5 being highest):
 PHP 2090A: Effectively engaged students, 5.0; Responsive to students, 5.0; Made content clear and understandable, 5.0; Consistently prepared, 4.75; Provided clear feedback on assignments that improved my learning, 5.0; Effective, 5.0.
These ratings are higher than means of University, Division, and Department.

2024-25 PHP 2090B: Research Grant Writing for Public Health
 Co-taught by Buka, Collins, Jutkowitz, White (2024)
 Led by Buka with advising & assistance by Jutkowitz, White (2025)
 Public Health Graduate Program, Brown University
 2024: PHP 2090B, Spring, CRN #26302, S01
My student ratings (mean scores, 5 being highest):
 PHP 2090B (2024): Well prepared, 4.83; Effectively engaged students, 4.86; Responsive to students, 4.8; Made content clear and understandable, 4.83; Effective, 4.83.
These ratings are higher than means of University, Division, and Department.

GUEST LECTURES

2001-02 PHARM 329: Perspectives in Drug Abuse, 3 lectures
 Department of Psychiatry, University of Chicago. Undergraduate Enrollment 20.

2004-05 CAAS Postdoctoral Training Seminar
 Department of Community Health, Brown University. Enrollment 15.

2009 PHP 2980: Topics in Time Series Methods and Data Analysis
 Brown University, Public Health Program. Graduate Enrollment 10.

2009 PHP 2370: Etiology of Substance Use Disorders: Genetic, Neurobiological, Behavioral, and Cultural Influences
 Brown University, Public Health Program. Graduate Enrollment 12.

2012 NEUR 2060: Advanced Cognitive Neuroscience
 Brown University, Department of Neuroscience. Enrollment 19 doctoral students.

2013 NEUR 2060: Advanced Cognitive Neuroscience
 Brown University, Department of Neuroscience. Enrollment 23 doctoral students.

2014 NSGP Writing Workshop. Topic: Successful NSF Grant Writing.
 Brown University, Department of Neuroscience. Enrollment 15 doctoral students.

2015 NEUR 0700: Psychoactive Drugs and Society. Topic: Experimental Approaches to Stimulant Drug Effects in Humans.
 Brown University, Department of Neuroscience. Enrollment 49 undergraduate students.

2015 NSGP Writing Workshop. Topic: Writing Effective NSF Grants.
 Brown University, Department of Neuroscience. Enrollment 18 doctoral students.

2017 NSGP Writing Workshop. Topic: Writing Effective NSF Grants.
 Brown University, Department of Neuroscience. Enrollment 20 doctoral students.

2019 PHP 2370: Etiology of Substance Use Disorders: Genetic, Neurobiological, Behavioral, and Cultural Influences (Monti). Title: "MR Spectroscopy in Wellness and Disease"
 Brown University, School of Public Health. Enrollment 20 graduate, postdoctoral trainees.
 Average student rating of guest lecture: 4.9 / 5.0

2021 PHP 2370: Etiology of Substance Use Disorders: Genetic, Neurobiological, Behavioral, and Cultural Influences (Monti). Title: "Neuroscience of Human Rights: SUDs, Disparities & Covid"
 Brown University, School of Public Health. Enrollment 18 graduate, postdoctoral trainees.

2023 PHP 2370: Etiology of Substance Use Disorders: Genetic, Neurobiological, Behavioral, and Cultural Influences (Monti). Title: "Neuroscience of Human Rights: Honoring Dignity through SUD Prevention and Treatment"
 Brown University, School of Public Health. Enrollment 18 graduate, postdoctoral trainees.
 Average student rating of guest lecture: 4.6 / 5.0

MENTORING

2000-02 Instructor, Illinois Math and Science Academy (IMSA) Mentoring Program
 The University of Chicago. Enrollment 2.

2004-05 Instructor, Barrington High School Mentoring Program
 Brown University. Enrollment 1.

2005-07 Co-Mentor, PY 197; PY199. Independent Undergraduate Honors Research in Psychology
 Department of Psychology, Brown University

2007- Trainer, Alcohol Intervention/Treatment Outcome Research (T32; AA07459)
 Department of Behavioral and Social Sciences, Brown University
 2009-12 Primary Mentor for Uraina Clark, Ph.D, T32 postdoctoral trainee

	2014-	Co-Mentor for Molly Monnig, Ph.D, T32 postdoctoral trainee
	2016-	Co-Mentor for Kim Goodyear, Ph.D, T32 postdoctoral trainee
2007-	Trainer, Postdoctoral Substance Abuse Intervention/Outcome Research (T32; DA016184) Department of Behavioral and Social Sciences, Brown University	
2008-	Trainer, Graduate Training in Systems and Behavioral Neuroscience (T32; MH020068) Department of Neuroscience, Brown University	
	2012-14 Primary Mentor for Adam Nitenson, T32 predoctoral trainee	
	2019- Primary Mentor for Meghan Gonsalves, Ph.D. candidate	
2010-	Mentor, Undergraduate Honors Research in Neuroscience Department of Neuroscience, Brown University	
	2011, Rima Shah	
	2012, Mikalei Gordon	
	2013, Kelly Milman	
	2014, Chelsea Boyd	
	2015, Selen Senocak	
2014-	Mentor, Undergraduate Honors Research in Biology Department of Biology, Brown University	
	2016, Eva Stolz	
2009-	Mentor, Undergraduate Summer Research Assistantship in Biomedical/Basic Science Program in Liberal Medical Education (PLME), Brown University	
	2009, Minjy Kang	
	2011, Heejung Sarah Park	
2011-	Mentor, Undergraduate Teaching and Research Award (UTRA), Brown University	
	2011, Kelly Milman	
	2012, Kelly Milman	
	2013, Chelsea Boyd	
	2014, Selen Senocak	
	2015, Eva Stolz	
	2021, Hannah Joyce	
	2022, Roza Spencer	
	2023, Hang Nguyen	
	2024, Michelle Gibble	
	2024, Farah Yahaya	
	2025, Ramatoulaye Tall	
	2025, Madison Diaz	
	2025, Hiyab Mussie	
	2025, Amber Zhao	
	2025, Alexandra Hay	
	2025, Sofiia (Sonya) Rashkovan	
	2025, Kudzaishe Chaonwa	
2012-	Mentor for underrepresented undergraduates in Neuroscience NIH BP-Endure program at Hunter College and Brown University	
	2012, Yasmin Zakiniaeiz	
	2013, Jennifer Garraway	
	2014, Crismeldy Veloz	
	2015, Kelvin De Leon	
	2016, Kelvin De Leon	
2012-	Mentor for Adult Clinical Track, Clinical Psychology Internship Training Program Clinical Psychology Training Consortium, Alpert Medical School, Brown University	
	2012-13, Jessica Richards, Ph.D., Topic: Neuroimaging risky decision-making	
	2014-15, Elena Davis, Ph.D., Topic: Genetics and fMRI	
2012-13	Mentor for Clinician-Scientists in Medicine	
	2012-13, Anne Lee, M.D., Ph.D., Topic: Individual differences	
2013-	Mentor, NIH-Brown Graduate Partnership Program in Neuroscience (GPP) Spring, Summer, Fall Lab Rotations	
	2013, Erica Grodin	

	2014, Alissa Trepman
	2020, Cara Borja
2012-	Mentor for K23 Awardees 2013-14, Uraina Clark, Ph.D., Project: NIH K23 MH096628 "Effects of early-life stress on brain dysfunction in HIV+ adults: An fMRI study" 07/12 – 06/17
	2018-23, Rebecca Hendrickson, Ph.D., Project: NIMH K23 1IK2CX001774 "Noradrenergic biomarkers in PTSD: precision medicine & mechanisms" (Consultant) 06/18 – 5/23.
2015-	Mentor, Graduate and Undergraduate Women in Science
	Young Scholars Conference 2015, Brown University
2017-	Mentor, Master's Program in BSHS, Brown University
	2017-2018, Meghan Gonsalves
2017	Grantwriting Mentor, NSF Graduate Research Fellowships, Brown University Sinda Fekir, Neuroscience (Moore, PI) Belinda Mahama, Neuroscience (Hart, PI) Lauren Fish, Neuroscience (Fallon, PI) Aarit Ahuja, Neuroscience (Sheinberg, PI) Kaitlyn Hajdarovic, Molecular Biology, Cell Biology and Biochemistry (Webb, PI) Laura Madigan, Molecular Biology, Cell Biology and Biochemistry (Fallon, PI)
2018-	Mentor for historically underrepresented trainees in neuroscience NIH R25 PREP program at Brown (Aizenman, PI; #GM125500)
2021-	Mentor, Speed Networking, Society for Affective Science
2021-	Mentor, Honor's Research Program in Cognitive, Linguistic and Psychological Sciences (CLPS) 2021-2022, Hannah Joyce
2023-	Mock grant reviewer, NIDA/NIAAA T32 Training Program at Brown University CAAS/SPH Dr. Chanda Phelan, K99/R00 grant application
2023-	Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) Mentor, Brown University 2023-2025: Ziyuan Wang

LIST OF CURRENT STUDENTS AND TRAINEES

NAME	DATES	PROGRAM AFFILIATION
<u>Doctoral Students (*Primary Mentor; # Committee Chair)</u>		
<u>Doctoral Committees</u>		
#Chloe (Zimmerman) Gunsilius	2025	MD/PhD, Brown University
<u>Undergraduate Students (*Honors Thesis)</u>		
Ramatoulaye Tall	2024-	Public Health, Pre-Med, Brown University
Madison Diaz	2024-	Behavioral Decision Sciences, Brown University
Hiyab Mussie	2025-	Neuroscience, Brown University
Amber Zhao	2025-	International and Public Affairs, Behavioral Decision Sciences
Sofia (Sonya) Rashkovan	2025-	Anthropology, Data Fluency, Brown University
Kudzaishe Chaonwa	2025-	Cognitive Neuroscience, Brown University
Alexandra Hay	2025-	Cognitive Neuroscience, Brown University
Ellie Fuller	2025-	Cognitive Neuroscience, International and Public Affairs

PAST STUDENTS AND TRAINEES

NAME	DATES	CURRENT AFFILIATION
<u>Doctoral Students (*Primary Mentor; # Committee Chair)</u>		
*Adam Nitenson	2012-18	Neuroscience Ph.D., Brown University
#Erica Grodin	2012-18	Neuroscience Ph.D., Brown University; Postdoc UCLA
*Meghan Gonsalves	2019-23	Neuroscience Ph.D., Brown University; Postdoc RI-VA
#Chloe (Zimmerman) Gunsilius	2021-25	MD/PhD Program, Brown University

Doctoral Committees

Tyler Ard	2008	Neuroscience Ph.D., Brown University
Sinda Fekir	2017-19	Neuroscience, Brown University
Kelvin De Leon	2017-19	Neuroscience, Brown University
Cara Borja	2020	Neuroscience, Brown University

Master's Students (*Primary Mentor)

*Meghan Gonsalves	2017-18	BSHS ScM, Brown University
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Master's Academic Advisees

Tonya Tavares	2011-14	BSS Master's program, Brown University
Alissa Trepman	2014	MPH Program, Brown School of Public Health
Holly Boyle	2015-16	Behavioral & Social Health Sciences MA Program, Brown

Undergraduate Students (*Honors Thesis)

*Arielle Baskin-Sommers	2003-05	Assistant Professor, Dept. Psychology, Yale
Sarah Connor, Barrington	2004-05	unknown
Brendon Todt, IMSA	2001-02	unknown
Mary Sullivan, IMSA	2000-01	unknown
Minjy (Jessica) Kang	2009-10	Feinberg School of Medicine, Northwestern
*Rima Shah	2009-11	UT Southwestern Medical School, HHMI Res. Fellow
*Mikaeli Gordon	2011-12	Howard School of Medicine, Washington D.C.
Dana Schwartz	2012	Biology, Public Policy, Brown University
Yasmin Zakiniaeiz	2012	NSF Fellow, Yale University
Heejung (Sarah) Park	2011-13	Brown University Alpert School of Medicine
*Kelly Milman	2011-13	Washington University School of Medicine
Jennifer Garraway	2013	NIH BP-Endure program, Hunter College
Andrew Feldman	2013	Neuroscience, Brown University
*Chelsea Boyd	2012-14	The Amundsen Group/IMS Health, Burlington, MA
Nikitha Gangasani	2012-14	Neuroscience, Brown University
*Selen Senocak	2013-15	Neuroscience, Brown University
Crismeldy Veloz	2014	NIH BP-Endure program, Hunter College
Carly Margolis	2015	Contemplative Studies Program, Brown University
*Eva Stoltz	2014-16	Biology, Brown University
Kelvin De Leon	2015-17	NIH BP-Endure program, Hunter College
*Hannah Joyce	2020-22	Cognitive Neuroscience, Brown University
Roza Spencer	2022-24	International and Public Affairs, Brown University
Hang Nguyen	2023-24	Computer Science, Brown University
Ziyuan Wang	2023	Neuroscience, Computer Science, Brown University
Michelle Gibble	2024	Neuroscience, Brown University
Farah Yahaya	2024	Cognitive Neuroscience, Literary Arts, Brown University

Postdoctoral Trainees

Uraina Clark, Ph.D.	2009-12	Associate Professor, Dept. of Psychiatry, Mt. Sinai Icahn School of Medicine
Jessica Richards, Ph.D.	2012-13	Clinical Internship, Brown University
Anne Lee, M.D., Ph.D.	2012-13	Research Fellow, Rhode Island Hospital
Elena Davis, Ph.D.	2014-15	Clinical Psychology Internship Training, Adult-track
Kim Goodyear, Ph.D.	2016	Dept. Psychiatry and Human Behavior
		Assistant Professor, Brown University

Postdoctoral Mentees in NIH Grant Writing

Adam Leventhal, Ph.D.	2008-09	Assistant Professor, USC Keck School of Medicine
Rick Mulligan, Ph.D.	2009-10	Postdoctoral Fellow, Washington University
Ashlee Carter, Ph.D.	2010-11	Postdoctoral Fellow, Brown University
Uraina Clark, Ph.D.	2010-12	Associate Professor, Mt. Sinai Icahn School of Medicine
Anne Day, Ph.D.	2013	Postdoctoral fellow, Brown University

Carolina Haass-Koffler, Ph.D.	2014-16	Postdoctoral fellow, Brown University
William Lechner, Ph.D.	2015	NIAAA T32 Postdoctoral fellow, Brown University
Mollie Monnig, Ph.D.	2014-16	NIAAA T32 Postdoctoral fellow, Brown University
<u>Predoctoral Mentees in NSF Grant Writing</u>		
Sinda Fekir	2017	Neuroscience, Brown University (Moore, PI)
Belinda Mahama	2017	Neuroscience, Brown University (Hart, PI)
Lauren Fish	2017	Neuroscience, Brown University (Fallon, PI)
Aarit Ahuja	2017	Neuroscience, Brown University (Sheinberg, PI)
Kaitlyn Hajdarovic	2017	Molecular Biology, Cell Biology and Biochemistry (Webb, PI)
Laura Madigan	2017	Molecular Biology, Cell Biology and Biochemistry (Fallon, PI)

PUBLICATIONS

Citations ~2330 | h-Index= 21 | i10-index= 23 | g-index= 32 | h-fa index= 38 | Google Scholar 11-2025
 Google Scholar profile: [Tara L White, Brown University](#)

I work in psychology, neuroscience, and public health, which have differing publication norms.

- Psychology & public health: First and second authorships represent substantive contributions to publications, and both can indicate work from one's own lab as PI.
- Neuroscience: First, last, and senior/corresponding authorships represent substantive contributions.
- Thus *first and second authorships* (below) are substantive contributions in behavioral and social science; and *first, last, and corresponding authorships* (below) are substantive contributions in neuroscience and biomedicine.
- Notations: † *Indicates mentees in my lab at the time of the work*; ♦ *Indicates co-first authors*; ♦ *Indicates co-senior authors*; ★ *Indicates senior author, i.e., first-, next-, & last- authorships from my lab*.

White, T.L., Leichtman, M.D., & Ceci, S.J. (1997). The good, the bad, and the ugly: Accuracy, inaccuracy, and elaboration in preschoolers' reports about a past event. *Applied Cognitive Psychology*, 11, S37-S54.

White, T.L. & Depue, R.A. (1999). Differential association of traits of fear and anxiety with norepinephrine- and dark-induced pupil reactivity. *Journal of Personality and Social Psychology*, 77, 863-877.

Morrone, J.V., Depue, R.A., Scherer, A.J., & **White, T.L.** (2000). Film-induced incentive motivation and positive activation in relation to agentic and affiliative components of extraversion. *Personality and Individual Differences*, 29, 199-216.

White, T.L., Justice, A.J., & de Wit, H. (2002). Differential subjective effects of *d*-amphetamine by gender, hormone levels and menstrual cycle phase. *Pharmacology, Biochemistry, and Behavior*, 73(4), 729-741. [https://doi.org/10.1016/s0091-3057\(02\)00818-3](https://doi.org/10.1016/s0091-3057(02)00818-3)

Gendle, M.H., **White, T.L.**, Strawderman, M., Mactutus, C.F., Booze, R.M., Levitsky, D.A., & Strupp, B.J. (2004). Enduring effects of prenatal cocaine exposure on selective attention and reactivity to errors: Evidence from an animal model. *Behavioral Neuroscience*, 118(2), 290-297. <https://doi.org/10.1037/0735-7044.118.2.290>

White, T.L., Lott, D.C., & de Wit, H. (2006). Personality and the subjective effects of acute amphetamine in healthy volunteers. *Neuropsychopharmacology: official publication of the American College of Neuropsychopharmacology*, 31(5), 1064-1074. <https://doi.org/10.1038/sj.npp.1300939>

White, T.L., Grover, V.K., & de Wit, H. (2006). Cortisol effects of *d*-amphetamine relate to traits of fearlessness and aggression but not anxiety in healthy humans. *Pharmacology, Biochemistry, and Behavior*, 85(1), 123-131. <https://doi.org/10.1016/j.pbb.2006.07.020>

White, T.L.★, Lejuez, C.W., & de Wit, H. (2007). Personality and gender differences in effects of *d*-amphetamine on risk-taking. *Experimental and Clinical Psychopharmacology*, 15(6):599-609.

White, T.L.★, Lejuez, C.W., & de Wit, H. (2008). Test-retest characteristics of the Balloon Analogue Risk Task (BART). *Experimental and Clinical Psychopharmacology*, 16(6), 565-570. <https://doi.org/10.1037/a0014083>

Clark, U.S.†, Cohen, R.A., Sweet, L.H., Gongvatana, A., Devlin, K.N., Hana, G.N., Westbrook, M.L., Mulligan, R.C., Jerskey, B.A., **White, T.L.**†, Navia, B., & Tashima, K.T. (2012). Effects of HIV and early life stress on amygdala morphometry and neurocognitive function. *Journal of the International Neuropsychological Society : JINS*, 18(4), 657–668. <https://doi.org/10.1017/S1355617712000434>

Childs, E., **White, T.L.**★, & de Wit, H. (2014). Personality traits modulate emotional and physiological responses to stress. *Behavioural Pharmacology*, 25(5-6), 493–502. <https://doi.org/10.1097/FBP.0000000000000064>

Grodin, E.N. †, & **White, T.L.**★ (2015). The neuroanatomical delineation of agentic and affiliative extraversion. *Cognitive, Affective & Behavioral Neuroscience*, 15(2), 321–334. <https://doi.org/10.3758/s13415-014-0331-6>. **Altmetrics score 353, 99th percentile**

White, T.L.★ (2017). Beyond sensation seeking: A conceptual framework for individual differences in psychostimulant drug effects in healthy humans. *Current Opinion in Behavioral Sciences*, 13, 63–70. <https://doi.org/10.1016/j.cobeha.2016.10.008>

White, T.L.★, Monnig, M.A., Walsh, E.G., Nitenson, A.Z.†, Harris, A.D., Cohen, R.A., Porges, E.C., Woods, A.J., Lamb, D.G., Boyd, C.A. †, & Fekir, S. † (2018). Psychostimulant drug effects on glutamate, Glx, and creatine in the anterior cingulate cortex and subjective response in healthy humans.

Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 43(7), 1498–1509. <https://doi.org/10.1038/s41386-018-0027-7>. **Altmetrics score 136, 98th percentile**

Weyandt, L.L., **White, T.L.**★, Gudmundsdottir, B.G., Nitenson, A.Z.†, Rathkey, E.S., De Leon, K.A.†, & Bjorn, S.A. (2018). Neurocognitive, autonomic, and mood effects of Adderall: A pilot study of healthy college students. *Pharmacy (Basel, Switzerland)*, 6(3), 58. <https://doi.org/10.3390/pharmacy6030058>. **Altmetrics score 294, 99th percentile**

White, T.L.★, & Gonsalves, M.A.† (2020). Imaging fast-acting drug effects in humans using ¹H-MRS. *ACS chemical neuroscience*, 11(17), 2485–2488. <https://doi.org/10.1021/acschemneuro.0c00474>

Altmetrics score 16, 91st percentile

White, T.L.★, Gonsalves, M.A.†, Cohen, R.A., Harris, A.D., Monnig, M.A., Walsh, E.G., Nitenson, A.Z. †, Porges, E.C., Lamb, D.G., Woods, A.J., & Borja, C.B. † (2021). The neurobiology of wellness: ¹H-MRS correlates of agency, flexibility and neuroaffective reserves in healthy young adults. *NeuroImage*, 225, 117509. Epub 2020 October 27. <https://doi.org/10.1016/j.neuroimage.2020.117509> **Altmetrics score 53, 97th percentile. 'Top 10 in 2020' by Carney Institute, 'Top 20 in 2020' by Brown School of Public Health**

Ersche, K.D., Lim, T.V., Murley, A.G., Rua, C., Vaghi, M.M., **White, T.L.**†, Williams, G.B., & Robbins, T.W. (2021). Reduced glutamate turnover in the putamen is linked with automatic habits in human cocaine addiction. *Biological Psychiatry*, 89(10):970-979. Epub 2020 Dec 19. <https://doi.org/10.1016/j.biopsych.2020.12.009>

White, T.L.★, Gonsalves, M.A.† (2021). Dignity neuroscience: Universal rights are rooted in human brain science. *Annals of the New York Academy of Sciences*, 1505 (1): 40-54. First Published:05 August 2021. <http://doi.org/10.1111/nyas.14670> **Altmetrics score 113, 98th percentile. 'Top Stories of 2021' by Carney Institute. 'New York Academy of Sciences Editor's Choice in 2021'. Showcased in Brookings Institute Report on brain-health directed policymaking to strengthen democracy.**

Gonsalves, M.A.†, **White, T.L.**★, Joyce, H.†, Fukuda, A., Harris, A.D., Barredo, J., Brown, J.C., & Carpenter, L.L. (2022). Repetitive transcranial magnetic stimulation-associated changes in neocortical metabolites in major depression: A systematic review. *NeuroImage: Clinical*, 35:103049. First Published: 16 May 2022. <https://doi.org/10.1016/j.nicl.2022.103049>.

White, T.L.★, Gonsalves, M.A.†, Zimmerman, C.†, Joyce, H.†, Cohen, R.A., Clark, U.S., Sweet, L.H., Lejuez, C.W., Nitenson, A.Z.† (2023). Anger, agency, risk and action: A neurobehavioral model with proof-of-concept in healthy young adults. *Frontiers in Psychology*, 2023 May 30;14:1060877. doi:10.3389/fpsyg.2023.1060877.

Gonsalves, M.A.†, **White, T.L.**★♦, Barredo, J., DeMayo, M.M., DeLuca, E., Harris, A.D., & Carpenter, L.L.♦ (2024). Cortical glutamate, Glx, and total N-acetylaspartate: Potential biomarkers of repetitive transcranial

magnetic stimulation treatment response and outcomes in major depression. *Translational Psychiatry*. 2024 Jan 6;14(1):5. doi:10.1038/s41398-023-02715-9 [♦ co-senior author].

White, T.L.★, Gonsalves, M.A.†♣, Harris, A.D., Walsh, E.G., Joyce, H.† (2024). Brain glutamate dynamics predict positive agency in healthy women: Insights from combined application of pharmacological challenge, comprehensive affective assessment, and magnetic resonance spectroscopy. *ACS Chemical Neuroscience*. 15 (3), 491-502. [DOI: 10.1021/acschemneuro.3c00521](https://doi.org/10.1021/acschemneuro.3c00521)

Carle, S., **White, T.L.★** (2024). 'Free Agents' vs. 'Determined': Neuroscience and the law of personal responsibility. *Rutgers University Law Review*, 76 (2), 357-392. <https://heinonline.org>.

Voigtlaender, S., Pawelczyk, J., Geiger, M., Vaios, E.J., Karschnia, P., Cudkowicz, M., Dietrich, J., Haraldsen, I.H., Feigin, V., Owolabi, M., **White, T.L.**, Świeboda, P., Farahany, N., Natarajan, V., Winter, S.F. (2024). Artificial intelligence in neurology: Opportunities, challenges, and policy implications. *Journal of Neurology. J Neurol* 271, 2258–2273. First Published: 17 January 2024. <https://doi.org/10.1007/s00415-024-12220-8>

BOOKS

Bronfenbrenner, U., McClelland, P., Wethington, E., Moen, P., Ceci, S.J. with Hembrooke, H., Morris, P.A., & **White, T.L.** (1996). *The State of Americans: This Generation and the Next*. New York: The Free Press.

White, T.L. *Dignity neuroscience: What it means to be human.* (under contract), The MIT Press.

OTHER PUBLICATIONS

Bronfenbrenner, U., & **White, T.L.** Data presented to the International Youth Foundation included in: International Youth Foundation. (1993). *Youth and nationhood: An international challenge*. Battle Creek, MI: author.

White, T.L. & Spencer, R.† (2023, February 7). *Dignity neuroscience: A universal rationale for human rights*. Oxford Human Rights Hub, The Faculty of Law, University of Oxford. (*Human Rights Blog*). <https://ohrh.law.ox.ac.uk/dignity-neuroscience-a-universal-rationale-for-human-rights/>

ABSTRACTS AND CONFERENCE PRESENTATIONS

★ last authorships indicating senior author. † Indicates mentee at the time of the work.

White, T.L., Hermer-Vazquez, L., Beaudin, S., Gendle, M., Mactutus, C.F., Booze, R.M. & Strupp, B.J. (1999, Oct 23-28). *Enduring effects of prenatal cocaine exposure on selective attention and emotional reactivity: a dose response study*. [Poster presentation]. Society for Neuroscience 1999 Meeting, Miami Beach, FL.

White, T.L., Hermer-Vazquez, L., Beaudin, S., Stangle, D. & Strupp, B.J. (2000, June 24-28). *Long-term effects of early postnatal lead exposure on extradimensional shift performance*. [Poster presentation]. Neurobehavioral Teratology Society 2000 Meeting, Palm Beach, FL.

Lejuez, C., White, T.L., Richards, J., & de Wit, H. (2001, June 20). *Development of a laboratory-based behavioral task to investigate risk-taking and addictive behaviors*. [Late Breaking Research Talk]. The College on Problems of Drug Dependence 2001 Meeting. Scottsdale, AZ.

White, T.L., Justice, A.J.H., & de Wit, H. (2001, June 21). *The subjective and physiological effects of amphetamine in men and in women by menstrual phase: Relationship to personality*. [Conference Presentation]. The College on Problems of Drug Dependence 2001 Meeting. Scottsdale, AZ.

White, T.L., & de Wit, H. (2001, Dec 9-13). *Individual differences in response to amphetamine: A neural dissociation between fear and anxiety trait in normal humans*. [Poster presentation]. American College of Neuropsychopharmacology 2001 Meeting. Waikoloa, Hawaii.

White, T.L., Lejuez, C. (2002, June 8). *A behavioral measure of impulsivity and risk taking: Reliability, validity, and psychostimulant drug effects*. [Conference presentation]. International Study Group Investigating Drugs as Reinforcers (ISGIDAR) 2002 Meeting. Scottsdale, AZ.

White, T.L., Lejuez, C., Richards, J. & de Wit, H. (2002, June 8-13). *Amphetamine affects behavior on a computerized impulsivity/risk task: Individual differences in drug effects*. [Poster presentation]. The College

on Problems of Drug Dependence 2002 Meeting, Quebec City, Quebec.

White, T.L. Organized symposium, Division 28 Program, APA Convention. *Modulation of psychoactive drug effects in humans*. (2002, Aug 25). Chairs: de Wit, H., Zacny, J. Participants: Soderpalm, A.H.V., White, T.L., Zacny, J., Alsene, K.M. Topics: I. Acute stress modulates responses to alcohol and methamphetamine in humans. II. Pain and its modulatory role in opioid effects in humans. III. Specific personality traits modulate the effects of amphetamine in humans. IV. Genetic modulation of acute responses to caffeine. Chicago, IL.

Gendle MH, White TL, Strawderman MS, Mactutus CF, Booze RM, Levitsky DA, Strupp BJ (2002, Nov 3-7). *Enduring effects of prenatal cocaine exposure on selective and sustained attention and reactivity to errors: a dose response study*. [Poster presentation]. Society for Neuroscience 2002 Meeting. Orlando, FL.

White, T.L., de Wit, H., Cohen, R.A., Sweet, L.H., Swift, R.M. (2004, Oct 22). *Imaging d-amphetamine effects in healthy volunteers: Drug effects on fMRI brain responses to a novel impulsivity/risk task (BART)*. [Poster presentation]. NIDA 2004 mini-convention "Frontiers in Addiction Research". San Diego, CA.

White, T.L., de Wit, H., Cohen, R.A., Sweet, L.H., Swift, R.M. (2004, Oct 24). *Imaging d-amphetamine effects in healthy volunteers: Drug effects on fMRI brain responses to a novel impulsivity/risk task (BART)*. [Poster presentation]. Society for Neuroscience 2004 meeting. Washington, DC.

White, T.L., Cohen, R.A., Sweet, L.H. (2005, June 12-16). *Individual differences in fMRI brain responses to d-amphetamine in healthy volunteers using a novel impulsivity/risk task (BART)*. [Poster presentation]. Organization for Human Brain Mapping 2005 Meeting, Toronto, Canada.

Gwaltney, C.J., Kahler, C., Miranda, R., Monti, P., & White, T.L. (2005, Aug 18-21). *Effects of mood on impulsivity among adolescent smokers: Preliminary results*. [Poster presentation]. American Psychological Association 2005 Meeting, Washington, DC.

White, T.L., Swift, R.M., Cohen, R.A., Sweet, L.H. (2005, December 14). *Amphetamine effects on amygdala responses to affective pictures in healthy volunteers*. [Poster presentation]. American College of Neuropsychopharmacology 2005 meeting. Waikoloa, Hawaii.

White, T.L., Lott, D.C., de Wit, H. (2007, June 1). *Personality differences in subjective responses to a dopamine agonist, d-amphetamine, in humans*. [Poster presentation]. Dopamine 50 Years' Congress, Göteborg, Sweden.

White, T.L., Baskin-Sommers, A.[†], Cohen, R.A., Sweet, L.H. (2007, June 14). *Age and brain responses to reward and d-amphetamine in healthy volunteers using a novel impulsivity/risk task (BART)*. [Poster presentation]. Organization for Human Brain Mapping 2007 meeting. Chicago, IL.

Kang, M.[†] and White, T.L.[★] (2009, August 6). *Relationship between Trait Absorption and self-reported drug and alcohol use in young adults*. [Poster presentation, Karen T. Romer Undergraduate Teaching and Research Award] Brown University 2009 Summer Research Symposium, Providence, RI.

White, T.L., Walsh, E.G., Worden, M.S. (2009, October 18). *Orbital frontal cortex responses during performance of the Balloon Analogue Risk Task (BART): Efficacy of 3-dimensional volume localized linear shim*. [Poster presentation]. Society for Neuroscience 2009 meeting. Chicago, IL.

Kang, M.[†], Youssef, R.[†], and White, T.L.[★] (2010, June 15). *Vividness of mental imagery (trait absorption) and impulsivity (trait constraint) predict self-reported consumption of cannabis in healthy volunteers: Findings in a large screening sample (N=69)*. [Poster presentation]. College for Problems on Drug Dependence 2010 meeting. Scottsdale, AZ.

White, T.L., Lejuez, C.W., de Wit, H. (2010, June 14). *Balloon Analogue Risk Task (BART) and affect*. [Poster presentation]. College for Problems on Drug Dependence 2010 meeting. Scottsdale, AZ.

Clark, U.[†], Cohen, R.A., Gongvatana, A., Jerskey, B.A., Sweet, L.H., Mulligan, R.C., White, T.L., & Tashima, K.T. (2010, July 2). *Combined effects of HIV and early life stressors on brain structure and neuropsychological function*. [Poster presentation]. International Neuropsychological Society 2010 Mid-Year Meeting, Krakow, Poland.

Shah, R.†, Clark, U.S.†, Sweet, L.H., and White, T.L.★ (2010, November 14). *Amphetamine modulates BOLD response in primary visual cortex: Drug and reward effects in V1 in healthy volunteers*. [Poster presentation]. Society for Neuroscience 2010 meeting. San Diego, CA.

Clark, U.S.†, Cohen, R. A., Gongvatana, A., White, T.L., Westbrook, M.L., Devlin, K.N., & Tashima, K.T. (2011, February 5). *Relation of HIV-associated brain volume abnormalities to facial emotion recognition impairments in individuals with HIV*. [Poster presentation]. International Neuropsychological Society 2011 Meeting, Boston, MA.

Clark, U.S.†, Sweet, L.H., Gordon, M.†, Milman, K.†, Park, H.S.†, Reid, N.†, Ross, S., White, T.L.★ (2012, June 23-27). *Amygdala activation during alcohol intoxication: An examination of alcohol's effects in social drinkers*. [Poster and conference presentation]. Research Society on Alcoholism (RSA) 2012 meeting, San Francisco, CA.

Zakiniaeiz, Y.†, Clark, U.S.†, Sweet, L.H., White, T.L.★ (2012, July 28). *Amphetamine effects on default mode network during emotional processing in healthy young adults*. [Poster presentation]. NIH BP-Endure Program 2012 meeting, Hartford, CT.

Milman, K.†, Sweet, L.H., Worden, M., Cohen, R.A. and White, T.L.★ (2012, October 17). *Amphetamine modulates fMRI BOLD response during active risk-taking in healthy young adults*. [Poster presentation]. Society for Neuroscience 2012 meeting. New Orleans, LA.

Milman, K.†, Sweet, L.H., Worden, M., Cohen, R.A. and White, T.L.★ (2012, October 15). *Amphetamine modulates fMRI BOLD response during active risk-taking in healthy young adults*. [Poster presentation]. Faculty for Undergraduate Neuroscience (FUN) 2012 meeting. New Orleans, LA.

Zakiniaeiz, Y.†, Clark, U.S.†, Sweet, L.H., White, T.L.★ (2012, Oct 13). *Amphetamine effects on default mode network during emotional processing in healthy young adults*. [Poster presentation, Diversity Neuroscience Session]. Society for Neuroscience 2012 meeting. New Orleans, LA.

Zakiniaeiz, Y.†, Clark, U.S.†, Sweet, L.H., White, T.L.★ (2012, Oct 15). *Amphetamine effects on default mode network during emotional processing in healthy young adults*. [Poster presentation]. Faculty for Undergraduate Neuroscience (FUN) 2012 meeting. New Orleans, LA.

Garraway, J.†, Gordon, M.†, White, T.L.★ (2013, July 27). *Stimulant effects on emotion in healthy volunteers*. [Poster presentation]. Leadership Alliance 2013 National Symposium, Stamford, CT.

Garraway, J.†, Gordon, M.†, White, T.L.★ (2013, Nov 9-13). *Stimulant effects on emotion in healthy volunteers*. [Poster presentation, Diversity Neuroscience Session]. Society for Neuroscience 2013 meeting. San Diego, CA.

Boyd, C.†, Walsh, E.G., White, T.L.★ (2014, April 29). *Effects of psychostimulant drugs on the metabolic chemistry of the anterior cingulate cortex*. [Poster presentation]. Brown University 2014 Neuroscience Honors Presentations, Providence, RI.

White, T.L., Nitenson, A.Z.†, Souza, T. (2014, May 14-16). *Biphasic functional brain response to alcohol in HIV+ and HIV- social drinkers*. [Conference presentation] NIAAA CHAART 2014 National Meeting, Washington, DC.

Veloz, C.†, Nitenson, A.Z.†, Senocak, B.S.†, Trepman, A.†, White, T.L.★ (2014, July 26). *The study of personality traits in relation to the acute subjective effects of amphetamine in healthy participants*. [Poster presentation]. NIH BP-Endure Program 2014 national meeting, Hartford, CT.

Senocak, B.S.†, Nitenson, A.Z.†, Souza, T., White, T.L.★ (2014, August 7). *Genetic predictors of stimulant effects*. [Poster presentation]. Brown University 2014 Summer Research Symposium, Providence, RI.

Veloz, C.†, Nitenson, A.Z.†, Senocak, B.S.†, Trepman, A.†, White, T.L.★ (2014, Oct 16-18). *The study of personality traits in relation to the acute subjective effects of amphetamine in healthy participants*. [Poster presentation]. Society for Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) 2014 national meeting, Los Angeles, CA.

Nitenson, A.Z.†, Souza, T., White, T.L.★(2014, Nov 15-19). *Functional brain response to alcohol in HIV+ and social drinkers.* [Poster presentation]. Society for Neuroscience 2013 meeting, Washington, DC.

Davis, E.G.†, McGeary, J.E., White, T.L.★ (2015, March). *Neural and affective reactivity to positive stimuli following d-amphetamine differ by COMT Val¹⁵⁸Met genotype.* [Poster presentation]. Brown Research Day 2015, Providence, RI.

Senocak, B.S.†, Souza, T., Davis, E.†, Nitenson, A.Z.†, White T.L.★ (2015, April 28). *Amphetamine-dependent changes in neural responses to negative pictures predict subjective experiences of the drug.* [Poster presentation]. Brown University 2015 Neuroscience Honors Presentations, Providence, RI.

Davis, E.G.†, McGeary, J.E., White, T.L.★ (2015, May 14-16). *Neural and affective reactivity to positive stimuli following d-amphetamine differ by COMT Val158Met genotype.* [Poster presentation]. Society of Biological Psychiatry 2015 meeting, Toronto, Ontario, Canada.

Monnig, M.†, Nitenson, A.Z.†, White, T.L.★ (2015, June 23-27). *Hazardous drinkers show heightened response to acute alcohol and dampened response to emotional stimuli in substrates of emotion processing.* [Poster presentation]. Research Society on Alcoholism (RSA) 2015 meeting, San Antonio, TX.

De Leon, K.†, Monnig, M.†, Nitenson, A.Z.†, White, T.L.★ (2015, Jul 25). *Ascending and descending alcohol effects in healthy volunteers.* [Conference presentation]. Leadership Alliance 2015 National Symposium, Stamford, CT.

De Leon, K.†, Monnig, M.†, Nitenson, A.Z.†, White, T.L.★ (2015, July 30). *Biphasic alcohol effects on emotion and amygdala fMRI response.* [Poster presentation]. Brown University 2015 Summer Research Symposium, Providence, RI.

De Leon, K.†, Monnig, M.†, Nitenson, A.Z.†, White, T.L.★ (2015, Oct 17-21). *Biphasic alcohol effects on emotion and amygdala fMRI response.* [Poster presentation, Diversity Neuroscience Session]. Society for Neuroscience 2015 meeting, Chicago, IL.

Nitenson, A.Z.†, Monnig, M..A†, Souza, T., White, T.L.★ (2015, Nov 17). *Psychostimulant effects and interactions with risk-taking and genetics.* [Poster presentation]. Brown University Department of Neuroscience 2015 Meeting, Providence, RI.

Nitenson A.Z.†, Monnig M.A.†, Souza T., White T.L.★ (2015, Nov). *Psychostimulant effects and interactions with risk-taking and genetics.* [Poster presentation]. Brown University - NIH 2015 Annual Retreat, Woods Hole, MA.

Nitenson A.Z.†, White T.L.★ (2016, July 18). *Amphetamine effects and the influence of between-subject factors.* [Conference presentation]. Brown University NSGP Conference. Tufts, Boston, MA.

De Leon K.†, Nitenson A.Z.†, Weyandt L., White T.L.★ (2016, July 29-31). *Emotional, physiological and neurocognitive effects of Adderall in healthy college students.* [Conference presentation]. Leadership Alliance 2016 National Symposium (LANS), Stamford, CT.

De Leon K.†, Nitenson A.Z.†, Weyandt L., White T.L.★ (2016, August 4). *Emotional, physiological and neurocognitive effects of Adderall in healthy volunteers.* [Poster presentation]. Brown University 2016 Research Symposium, Providence, RI.

De Leon K.†, Nitenson A.Z.†, Weyandt L., White T.L.★ (2016, Nov 12-16). *Emotional, physiological and neurocognitive effects of Adderall in healthy volunteers.* [Poster presentation]. Society for Neuroscience 2016 meeting, San Diego, CA.

Nitenson A.Z.†, McGeary J.E., White T.L.★ (2017, Nov.) *Influence of serotonin transporter SLC6A4 genotype on interaction between stimulant effects and risk-taking in the orbitofrontal cortex.* [Poster presentation]. Society for Neuroscience 2017 meeting, Washington DC.

Gonsalves, M.A.† & White, T.L.★ (2019, Oct. 19-23). *Amphetamine-induced rise in glutamate in the dACC correlates with positive emotion in healthy women.* [Poster presentation]. Society for Neuroscience 2019 Meeting, Chicago, IL.

White, T.L. & Gonsalves, M.A.† (2020, April 23-25). *Using ¹H MRS neuroimaging to understand human emotion*. [Poster presentation]. Society for Affective Science 2020 Meeting, San Francisco, CA. Cancelled due to COVID.

Gonsalves, M.A.† & White, T.L.★ (2020, April 23-25). *Stimulant-induced rise in glutamate predicts activated positive emotion in healthy women*. [Poster presentation]. Society for Affective Science 2020 Meeting, San Francisco, CA. Cancelled due to COVID.

Portis S.M., Gonsalves M.A.†, Brown Z., Fleig C., Ferretti A., Vasaturo-Kolodner T., Zywiak WH., Sun J., Leggio L., White T.L.★, Haass-Koffler C.L. (2020, Dec 8). *Characterization of alpha-1 receptors in individuals with alcohol use disorder*. [Poster presentation]. American College of Neuropsychopharmacology 2020 Meeting, Virtual.

White T.L., Gonsalves, M. A.†, Cohen, R. A., Harris, A. D., Monnig, M. A., Walsh, E. G., Nitenson, A. Z. †, Porges, E. C., Lamb, D. G., Woods, A. J., Borja, C. B.† (2021, May 26-27). *Brain metabolites predict major dimensions of emotional wellness in healthy humans*. [Poster presentation]. Association for Psychological Science 2021 Meeting, Virtual.

Joyce, H.E.†, Gonsalves, M.A.†, & White T.L.★ (2021, April 7). *A dopamine hypothesis of anger*. [Poster presentation]. Brown University Public Health Research Day, Virtual.

Gonsalves, M.A., White, T.L., Joyce, H., Fukuda, A., Harris, A.D., Barredo, J., Brown, J., & Carpenter, L.L. (2021, June 11). *Repetitive transcranial magnetic stimulation increases neocortical metabolites in major depression*. [Poster presentation]. Clinical TMS Society 9th Annual Meeting, West Palm Beach, Florida. Abstract: *Brain Stimulation*, 14(5): P1411-1412.

White, T.L., Gonsalves, M.A.†, Zimmerman, C.†, Joyce, H.†. (2021, November 9). *Anger, exuberance and incentive reward*. [Poster presentation & recording]. Society for Neuroscience 50th annual meeting, virtual.

White, T.L., Gonsalves, M.A.† (2021, November 9). *Dignity neuroscience: Universal rights are rooted in human brain science*. [Poster presentation & recording]. Society for Neuroscience 50th annual meeting, virtual.

White, T.L. (2021, November 10). *Dignity neuroscience interest group*. [Networking Event #VN23]. Society for Neuroscience 50th annual meeting, virtual.

White, T.L. (2021, November 11). *Dignity neuroscience interest group*. [Networking Event #VN24]. Society for Neuroscience 50th annual meeting, virtual.

White, T.L., Gonsalves, M.A.† (2022, March 30-April 2). *Dignity science: Affective science, universal human rights and flourishing*. [Poster presentation – New Idea]. Society for Affective Science (SAS) 2022 meeting, virtual.

Gonsalves, M.A. †, White, T.L., Barredo, J., DeMayo, M., Harris, A.D., Hindley, L. DeLuca, E., & Carpenter, L.L. (2022, April 28-30). *Aberrant connectivity across functional networks relates to levels of glutamatergic metabolites in major depression*. [Poster presentation]. Society of Biological Psychiatry (SOBP), New Orleans, Louisiana.

White, T.L. & Gonsalves, M.A.† (2022, November 2-4). *Dignity neuroscience: A new lens for neuroethics in healthcare, research, and public policy*. [Poster presentation]. Annual meeting of the International Neuroethics Society, Montreal, Canada.

White, T.L. (2022, November 13). *Dignity neuroscience social*. [Networking event with presentation]. Society for Neuroscience 51st annual meeting, San Diego, CA.

White, T.L., Gonsalves, M.A.†, Joyce, H.† (2022, November 14). *Pharmacological MRS study of dACC creatine and subjective states: Creatine's role in aversive somatic sensations in women*. [Poster presentation – In-person and virtual]. Society for Neuroscience 2022 meeting, San Diego, CA.

Gonsalves, M.A.†, White, T.L., DeMayo, M.M, Harris, A.D., Barredo, J., Carpenter, L.L. (2022, November 12-16). *Cortical glutamate, Glx, and N-acetylaspartate: Potential biomarkers of repetitive transcranial magnetic stimulation treatment response in major depression*. [Poster presentation – In-Person and virtual]. Society for Neuroscience 2022 meeting, San Diego, CA.

White, T.L., Gonsalves, M.A.†, Harris, A.D., Walsh, E.G., Joyce, H.† (2022, June 28). *Brain glutamate dynamics predict positive agentic states in healthy women*. [Poster presentation & flash talk]. Cambridge Imaging Festival 2022, Cambridge, England, U.K.

Gonsalves, M.A.†, White, T.L., DeMayo, M.M., Harris, A.D., Barredo, J., Carpenter, L.L. (2023). *Cortical glutamate, Glx, and total N-acetylaspartate: potential biomarkers of repetitive transcranial magnetic stimulation treatment response in major depression*. [Poster presentation]. International Brain Stimulation conference, Lisbon, Portugal.

White, T.L. (2023, November 12). *Dignity neuroscience social*. [Networking event with presentation]. Society for Neuroscience 52nd annual meeting, Washington, DC.

Gonsalves, M.A.†, Barredo, J., DeLuca, E., DeMayo, M.M., Harris, A.D., White, T.L., Carpenter, L.L. (2024). A multimodal investigation of the antidepressant mechanisms of rTMS: Glutamatergic metabolism influences functional connectivity following treatment. Society of Biological Psychiatry annual meeting, Austin, TX.

White, T.L. (2024, October 6). *Dignity neuroscience social*. [Networking event with presentation]. “Dignity Neuroscience: Grounding universal rights and dignity with human brain science”, Society for Neuroscience 53rd Annual Meeting, Chicago, IL.

COMPLETED RESEARCH GRANTS (1992-)

Xi (Rossi) Luo (PI). CFAR developmental grant. “Integrated analytics to unravel the complex effects of HIV and alcoholism on the brain” **Tara White, co-Investigator**. \$40,000 direct costs.

Brown Institute for Brain Sciences (BIBS) Pilot Research Award “Collaboration on imaging pharmacogenetics and monoamines”. **Tara White, Principal Investigator**. 5/1/13 – 5/30/15. \$30,000 direct costs.

NIH P01 AA019072 “Alcohol and HIV: Biobehavioral interactions and intervention” Type: P01 Alcohol Research Center (P. Monti, PI). **Tara White, co-Investigator** for Research Component 2; Executive Committee for P01 Renewal. 09/30/10 – 09/29/15. \$1,484,315 annual total costs.

NIH P01 AA019072, “Imaging functional alcohol effects in HIV” (P. Monti, PI). **Tara White, Pilot Project Leader**. 09/30/10 – 09/29/15. \$10,000 direct costs.

NIH R21 DA029189 “Imaging individual differences in methamphetamine effects” **Tara White, Principal Investigator**. 07/01/11 – 12/30/14. \$150,000 annual direct costs. \$445,500 total costs.

NIH S10 OD016366. “Brain science compute cluster” Type: NIH Shared Instrumentation Grant (J. Donoghue, PI). **Tara White, co-Investigator**. 6/15/13 – 5/14/14. \$599,598 direct costs.

Foundation for Alcohol Research (ABMRF) “Imaging biphasic alcohol effects in heavy drinkers” **Tara White, Principal Investigator**. 07/01/10 – 9/1/13. \$50,000 annual direct costs.

NIH R01 DA020725 “Imaging individual differences in amphetamine effects” **Tara White, Principal Investigator**. 8/15/07 – 5/31/13. \$235,000 annual direct costs.

Lifespan/Tufts/Brown Center for AIDS Research (CFAR) “Imaging functional alcohol effects in HIV” **Tara White, Principal Investigator**. 07/01/09 – 06/30/12. \$40,000 direct costs.

National Science Foundation (NSF). “Acquisition of a 3T MRI system” Type: BCS Major Research Instrumentation grant (J. Sanes, PI). **Tara White, co-Investigator**. 7/1/05 – 6/30/07.

NIH R21 DA018942 “Effect of mood on impulsivity among adolescent smokers” (C. Gwaltney, PI). **Tara White, co-Investigator**. 9/30/04 – 8/31/06. \$137,500 annual direct costs.

NIH I/START DA017178. “Imaging individual differences in amphetamine effects” Type: Imaging – Science Track Award for Research Transition (I/START). **Tara White, Principal Investigator**. 9/10/03 – 4/30/06. \$150,000 direct costs.

Brown University. “Imaging individual differences in amphetamine effects” Type: CAAS Research Excellence Award. **Tara White, Principal Investigator**. 5/1/03 – 11/30/04. \$15,227 direct costs.

Ittleson Foundation. “Amphetamine effects on emotion and behavior assessed by fMRI” **Tara White, Principal Investigator**. 8/1/03 – 7/31/04. \$13,230 direct costs.

Cornell University. "Pupil dilation and negative affect" Type: Graduate Research Grant. **Tara White, Principal Investigator.** 10/1/93 – 5/30/96. \$10,800 direct costs.

Cornell University. "Memory in young children" Type: Honors Research Grant. **Tara White, Principal Investigator.** 10/1/92 – 5/30/93. \$10,000 direct costs.

CURRENT NIH F-SERIES NRSA RESEARCH TRAINING GRANTS (2023-)

NIMH F30 NRSA AT012306-01 "Identifying EEG markers of altered interoceptive processing in chronic pain" (C. Zimmerman, PI). **Tara White, supporting mentor.** 09/01/2023 - 08/31/2027. \$371,912 total costs (\$251,768 direct costs).

CURRENT NIH T32, R25 INSTITUTIONAL RESEARCH TRAINING GRANTS (2020-)

NIDA T32 Training Program (DA016184-20 renewal) (D. Rohsenow, J. Tidey, M-PI). 'Substance abuse intervention outcome research training'. **Tara White, training faculty.** 08/01/2023 - 07/31/2028. \$413,458 total FY costs.

NIAAA T32 Training Program (AA007459-37) (R. Miranda, P. Monti, M-PI). 'Alcohol intervention treatment outcome research training'. **Tara White, training faculty.** 08/01/2020 - 07/31/2025. \$480,429 total FY costs.

NIGMS R25 Training Program (GM125500-05) (C. Aizenman, A.M. Jamieson, A. Mosley Austin, M-PI). 'Brown University postbaccalaureate research education program'. **Tara White, training faculty.** 01/01/2023 - 12/31/28. \$317,897 total FY costs.

NIMH T32 Training Program (MH020068-22) (D. Sheinberg, D. Lipscombe, M-PI). 'Interdisciplinary predoctoral neuroscience training program in the Neuroscience Graduate Program'. **Tara White, training faculty.** 08/01/2022 - 07/31/27. \$423,000 total FY costs.

CURRENT AND PAST AWARDS TO STUDENTS AND TRAINEES (2007-)

2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Kudzaishe Chaonwa, undergraduate trainee. Research topic: "Dignity neuroscience in society V"
2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Sofiia (Sonya) Rashkovan, undergraduate trainee. Research topic: "Dignity neuroscience in society V"
2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Alexandra Hay, undergraduate trainee. Research topic: "Dignity neuroscience in society IV"
2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Amber Zhao, undergraduate trainee. Research topic: "Dignity neuroscience in society IV"
2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Hiyab Mussie, undergraduate trainee. Research topic: "Dignity neuroscience in society IV"
2025 BrownConnect SPRINT|UTRA Undergraduate Teaching and Research Award to Ramatoulaye Tall, undergraduate trainee. Research topic: "Dignity neuroscience in society III"
2025 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA) to Madison Diaz, undergraduate trainee. Research topic: "Dignity neuroscience in society III"
2024 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA), awarded to Michelle Gibble, undergraduate trainee. Research topic: "Dignity neuroscience in society III"
2024 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA), awarded to Farah Yahaya, undergraduate trainee. Research topic: "Dignity neuroscience in society III"
2023 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA), awarded to Hang Nguyen, undergraduate trainee. Research topic: "Dignity neuroscience in society II"
2023 NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN, K99/K00) "Epilepsy mechanisms and the path to intervention" (K. De Leon, PI). **Tara White, supporting mentor.** 09/15/2022 - 08/14/2027. \$428,110 total costs (\$289,466 direct costs). Score: 34; A1 Score: 27, NOA Received 9-22. Awarded to Kelvin De Leon, Ph.D. student

2023 NIMH F30 NRSA AT012306-01 "Identifying EEG markers of altered interoceptive processing in chronic pain" (C. Zimmerman, PI). *Tara White, supporting mentor.* 09/01/2023 - 08/31/2027. \$371,912 total costs (\$251,768 direct costs). Awarded to Chloe Zimmerman, MD-Ph.D. student.

2023 Carney Institute Graduate Award in Brain Science (Sept 1, 2022 - Aug 31, 2023), awarded to Meg Gonsalves, Ph.D. student. \$60,000 direct costs.

2022 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA), awarded to Roza Spencer, undergraduate trainee. Research topic: "Dignity neuroscience in society"

2022 Sigma Xi Grant in Aid of Research G2022315-1536, awarded to Meg Gonsalves, Ph.D. student. \$750 direct costs.

2021 Sigma Xi Graduate Student Award in Neuroscience for 2021, awarded to Meg Gonsalves, Ph.D. student, *"For excellence in research and high potential for future contributions to science."* Brown University Chapter, Sigma Xi.

2021 BrownConnect SPRINT Undergraduate Teaching and Research Award (UTRA), awarded to Hannah Joyce, undergraduate trainee. Research topic: "Metabolic predictors of negative emotion in healthy adults"

2018 John G. Peterson Pre-doctoral Fellowship for 2018, awarded to Adam Nitenson, Ph.D. student. Funded by the John G. Peterson, PhB 1917, AM 1944 Fund for doctoral work in Biology. One award per year is made from all doctoral students in the Division of Biology and Medicine, Brown University, with nominations made by the Associate Dean for Graduate and Postdoctoral Studies in consultation with Graduate Program Directors.

2018- Rebecca Hendrickson, Ph.D. (PI), NIMH K23 1IK2CX001774 "Noradrenergic biomarkers in PTSD: precision medicine & mechanisms" *Tara White, Consultant.* 06/18 – 5/23.

2017-18 Brown University Open Graduate Education Award (OGE). Adam Nitenson, PhD candidate. *Tara White, primary mentor.* 6/1/16 – 5/30/18.

2014-17 National Science Foundation (NSF) Graduate Research Fellowship. Adam Nitenson, Ph.D. candidate. *Tara White, primary mentor.* 6/1/14 – 5/30/18.

2014-17 National Science Foundation (NSF) Graduate Research Fellowship awarded to Yasmin Zakiniaeiz, NIH BP-Endure trainee. Multiyear award, 6/1/14 – 5/30/17.

2015 Karen T. Romer Undergraduate Teaching and Research Award (UTRA) awarded to Eva Stolz, undergraduate trainee. Research topic: "Neurocognitive effects of medications in healthy college students without ADHD".

2014 University Travel Funding, Society for Neuroscience (SfN) 2014 annual meeting, awarded to Adam Nitenson, Ph.D. student.

2014 Karen T. Romer Undergraduate Teaching and Research Award (UTRA), awarded to Selen Senocak, undergraduate trainee. Research topic: "Imaging theory of mind networks in healthy adults following drug consumption"

2013 Karen T. Romer Undergraduate Teaching and Research Award (UTRA) awarded to Chelsea Boyd, undergraduate trainee. Research topic: "A noninvasive investigation into the neural mechanisms behind drug effects"

2012 Uraina Clark, Ph.D. (PI), NIH K23 MH096628. "Effects of early-life stress on brain dysfunction in HIV+ adults: An fMRI study." *Tara White, Mentor.* 07/12 – 06/17.

2012 Research at Brown (RAB) grant. "Amphetamine modulates fMRI BOLD response during active risk-taking in healthy young adults". Dean of the College, Brown University. Kelly Milman, Undergraduate trainee.

2012 Solsbery Summer Research Fellowship. "Mechanisms of risk-taking". Solsbery Endowment. Heejung Sarah Park, Undergraduate trainee.

2012 Karen T. Romer Undergraduate Teaching and Research Award (UTRA). Brown University. Kelly Milman, Undergraduate trainee.

2011 Karen T. Romer Undergraduate Teaching and Research Award (UTRA). Kelly Milman, Undergraduate trainee.

2011 Program in Liberal Medical Education (PLME) Summer Research Assistantship (SRA grant). "Brain responses to emotional stimuli and alcohol in people living with HIV". Heejung Sarah Park, Undergraduate trainee.

2010 Research at Brown (RAB) grant. "Amphetamine modulates BOLD response in primary visual cortex: Drug and reward effects on V1 in healthy volunteers". Dean of the College, Brown University. Rima Shah, Undergraduate trainee.

2010 Travel Award. Faculty for Undergraduate Neuroscience (FUN), Society for Neuroscience (SfN). Rima Shah, Undergraduate trainee.

2009 Karen T. Romer Undergraduate Teaching and Research Award (UTRA). Brown University. Minjy Kang, Undergraduate trainee.

2007 Edmund Burke Delabarre Memorial Premium for 2007, for outstanding honors thesis in psychology. Awarded to Arielle Baskin-Sommers, Undergraduate trainee. Tara White, Co-Mentor.

PUBLIC OUTREACH & ENGAGEMENT (Selected)

MEDIA COVERAGE

Davis, Marion. (20 September, 2010). "Five questions with: Tara White". Online interview. Providence Business News, Providence RI. http://www.pbn.com/detail.html?sub_id=4cb029aa20

Orenstein, David. (25 February, 2015). "Study maps extroversion types in the brain's anatomy." <https://news.brown.edu/articles/2015/02/extroverts>

Singal, Jesse. (3 March, 2015). "Understanding the two types of extroversion." New York Magazine. <http://nymag.com/scienceofus/2015/03/understanding-the-two-types-of-extroversion.html>. The Huffington Post. http://www.huffingtonpost.com/2015/03/09/understanding-the-two-type_n_6831390.html. Yahoo! <https://www.yahoo.com/health/understanding-the-two-types-of-extroversion-112831860563.html>

Storr, Krystnell. (5 March, 2015). "Science has discovered there are two types of extroverts – Which one are you?" Science.mic.com <http://mic.com/articles/111936/which-type-of-extrovert-are-you-the-science-behind-the-different-types-of-extroverts>

Ambler, Harold. (9 March, 2015). "Five questions with: Tara White." http://pbn.com/detail.html?sub_id=104000

Stacey, Kevin. (12 March, 2018). "ADHD drugs increase brain glutamate, predict positive emotion in healthy people." <https://news.brown.edu/articles/2018/03/glutamate>

Silva, Barbara Morse. (30 March, 2018; aired on 1 April). NBC Channel 10, Providence Rhode Island, Television interview, "Health Check: Experts weigh in on 2 studies involving young adults." <http://turnto10.com/features/health-landing-page/health-check-experts-weigh-in-on-2-studies-involving-young-adults>

McCarthy, Carol. (19 July, 2018). "Study: ADHD drugs do not improve cognition in healthy college students." <https://today.uri.edu/news/study-adhd-drugs-do-not-improve-cognition-in-healthy-college-students>

Harrison, Elisabeth. (18 July, 2018). Rhode Island Public Radio. Radio interview on acute cognitive effects of ADHD medications in healthy young adults for the purpose of academic and cognitive enhancement.

Miller, Larry. (16 August, 2018). CBS Hourly News. Radio interview on acute cognitive effects of Adderall in college students without ADHD.

Fiejo, Sarah. (25 August, 2020). "Imaging rapid drug effects in the human brain". <https://www.brown.edu/news/2020-08-25/imaging>

Fiejo, Sarah. (6 November, 2020). "Study delves into emotional wellness in the human brain." <https://www.brown.edu/carney/news/2020/11/06/study-delves-emotional-wellness-human-brain>

Kimball, Jill. (5 August, 2021). "To advance human rights, consult neuroscience." News at Brown, <https://www.brown.edu/news/2021-08-04/dignity>

Selby, Katherine. (31 August, 2021). "Paper by life member published in Annals of the New York Academy of Sciences". <https://www.clarehall.cam.ac.uk/news/31-08-2021/paper-life-member-published-annals-new-york-academy-sciences>

Moss, Jennifer. (13 December, 2023). Interview on dignity neuroscience, Harvard Business Review.

Fayyad, Abdallah. (19 October, 2025). Dignity neuroscience highlighted in "To be free, you need to feel free. Right now, America isn't feeling it." The Boston Globe, <https://www.bostonglobe.com/2025/10/19/opinion/trump-autocracy-democracy-freedom-rights/>

Bernát, Sara Emilia. (4 December, 2025). Dignity neuroscience interview on the topic of 'Softness as Resistance', nonprofit culture zine, Gemic online.

RADIO & FILM, MUSEUMS, INTERVIEWS, PODCAST COVERAGE

Top of Mind with Julie Rose, Podcast, BYU Radio. (20 September, 2021). "Dignity neuroscience." Internet, Satellite Radio, FM. <https://www.byuradio.org/c6671f7e-3c65-4782-93e9-990111c2f90d?play=1>

Trending Globally: Podcast, Politics and Policy, Watson Institute for International and Public Affairs. (20 October, 2021). "The origins and the future of human rights." <https://trending-globally.captivate.fm/episode/the-origins-and-the-future-of-human-rights>

Kazerne Dossin (Collaboration; Open to the public from 9 February – 11 December, 2022). Holocaust and Human Rights Memorial, Museum and Research Center. Temporary Exhibition: "Universal human rights: Why they matter", Dignity neuroscience findings translated into Dutch, French, and English. Six guided tours with exhibits for children, youth & adults. Mechelen, Belgium.

<https://kazernedossin.eu/expo/universal-human-rights/>

Lobes and Robes: Podcast, American University. (11 May, 2023). "What is dignity neuroscience?" Co-hosted by Professor Susan Carle and Dr. Terry Davidson. <https://www.podbean.com/ew/pb-gjyyd-14071b2>

Lobes and Robes: Podcast, American University. (6 June, 2023). "The links between dignity neuroscience and international human rights law" Conversation with Professor James May of Delaware Law, Co-hosts Professor Susan Carle and Dr. Terry Davidson. <https://www.podbean.com/ew/pb-n6rnp-1427467>

SciToons (YouTube, 2024). "Dignity neuroscience" Videos illustrate science to broad audience via storytelling, animation, high-quality multimedia and art to conceptualize and communicate science. <https://www.youtube.com/watch?v=EyVII1nXI8&t=13s>

Veritas Forum (25 April, 2024). "What makes me worthy?" Discussion on dignity, neuroscience, agency, and meaning. Panel: Tara White, David Carreon MD, Moderator: W. Curt LaFrance MD. Brown University. <https://www.veritas.org/campus/brown-university>

American University of Paris (20 June, 2025). Podcast, Summer Institute on Human Rights. Discussion on dignity neuroscience with host Sydney Carlson.

MOTIVATIONAL SPEAKING

06/14 Aquinas Institute, Commencement Speaker, Rochester NY. "Four things I've learned"

03/15 Blackstone Academy, Providence RI. Invited Speaker, "Imaging emotion"